



# Green Tube®

**80%**  
 LESS  
 PLASTIC



**Catalogue** 

**NEW**

**SUSTAINABLE  
 PACKAGING**



Management System  
 ISO 9001:2015  
 ISO 14001:2015  
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 ID: 9108636595



**WEICON**  
App



**WhatsApp-**  
Service



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- WEICON Kimya Sanayi Tic. Ltd. Şti.**  
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- WEICON Romania SRL**  
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- WEICON SA (Pty) Ltd**  
Muizenberg (Cape Town) – South Africa

- WEICON Production GmbH**  
Schwalmtal – Germany
- WEICON South East Asia Pte Ltd**  
Singapore
- WEICON Czech Republic s.r.o.**  
Teplice – Czech Republic
- WEICON Ibérica S.L**  
Madrid – Spain
- WEICON Italia S.r.l.**  
Genova – Italy
- WEICON Colombia S.A.S**  
Medellin – Colombia
- WEICON Australia Pty Ltd**  
Stapylton – Australia



[www.weicon.com](http://www.weicon.com)



## Dear customers and partners,

Thank you for your interest in WEICON products and solutions.

The general catalogue offers you a comprehensive overview of our chemical products and stripping tools – and has been doing so for more than ten years!

Here we present around 500 adhesives, sealants, technical sprays, high-performance assembly pastes, greases and special tools. Our products can be used in all areas of industry and trade and in a great variety of applications and processes.

In the 2025 catalogue, we introduce the Green Tube, a new packaging for flexible adhesives and sealants that is significantly more sustainable than the previous plastic packaging. We also present our new solutions for the reliable removal of rust, and there are again new products from our TOOLS range, such as the Electrician Scissors XL and the new crimp tools.

## Global presence

For years, we have been continuously building a network of our own international branches and trading partners to ensure that our products are available worldwide. After WEICON Colombia, we have now also established a branch in Australia. This means we have a direct presence on all continents! Would you like to know more? Then contact us!

Worldwide we are always at your service in person, by phone, via video conference or through WhatsApp – with branch offices on all continents!

## 2024 SME award

We were honoured with the major SME award “Großer Preis des Mittelstandes”. Nationwide, 4,600 SMEs and institutions were nominated for the award, but only eleven companies received the award statue: we are one of them! In general, companies are nominated over several years and eventually receive an award if they show a positive development. We were honoured as a finalist immediately on our first nomination in 2023 and went on to win the award on our second nomination – that happens very rarely. We are delighted about this, and it confirms that WEICON is on the right track.



As you can see, WEICON is always moving forward, but one thing is certain:

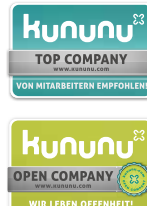
We at WEICON believe in long-term connections!

**Ann-Katrin Weidling**  
Managing Director

**Ralph Weidling**  
CEO



video



Management System  
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ID 9108636595





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Note: Any product specifications and recommendations given herein must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do warrant the continuously high quality of our products being free from defects in accordance with and subject to our General Sales Conditions. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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**Fast and individual service**

- reaction time guaranteed (24h)
- trained specialists
- laboratory service
- individual solutions
- your personal contact person

**Strong sales support**

- visits to customers of the trading partners
- bonding tests and selection of adhesives
- individual product trainings
- label service
- application videos

**Process-oriented organization**

- certificate according to DIN EN ISO 9001:2015
- large range of products
- high product availability
- next day delivery
- online support
- certificates and safety data sheets

**Worldwide sales network**

- diversity of languages, 30 languages worldwide
- eleven branches
- over 1.200 trade partners worldwide
- over 40 exhibitions worldwide
- you find us and our products in 120 countries

**FAST.  
COMPETENT.  
RELIABLE.**



At any location!





# We Are WEICON



## Family-owned since 1947

**1947**  
Foundation of  
P.W. Weidling & Sohn

**1950**  
Move to Engelstraße,  
Münster

**1957**  
Gerd Weidling joins  
the company  
  
The company changes  
to a limited partnership

**1958**  
First participation in the  
Mining Exhibition in  
the German city of Essen

**1959**  
First participation at the  
Hanover Fair

**1960**  
Relocation of the company  
to Schleibrüggenkamp  
in Münster

**1964**  
Gerd Weidling takes  
over the company management

**1967**  
Introduction of the new  
product line Stripping Tools

**1969**  
New building of the company  
headquarters at An der  
Kleimannbrücke in Münster

**1987**  
Ralph Weidling joins  
the company

Introduction of WEICONLOCK®  
Anaerobic Adhesives

1947  
-  
1987

**1993**  
New building of the company  
headquarters at Königsberger  
Straße 255 in Münster

**1997**  
Start of the cooperation  
with company Willteco B.V.

First off-shore project: Securing of  
the transport of an oilrig in Portugal

**2000**  
German Federal Award for Duo-  
Crimp No. 300 as an outstanding  
innovative achievement

Ralph Weidling takes over  
the company management

**2002**  
Change of name from  
P.W. Weidling & Sohn to WEICON

**2004**  
Start of the cooperation with the  
German Fraunhofer  
Institute (IFAM)

**2005**  
Foundation of WEICON Middle  
East LLC in Dubai, U.A.E.

Innovation Award of the German  
Industry for WEICON Plastic  
Metal RFC

**2006**  
Patent for the  
Pen-Systems

Extension of the  
headquarters at  
Königsberger Straße in  
Münster

1988  
-  
2006

**2008**  
Foundation of WEICON Inc.  
in Kitchener, Canada

**2009**  
WEICON becomes member  
of the German Adhesives  
Association (IVK)

**2010**  
Enlargement of the company  
premises by acquisition  
of a new 15,200 m<sup>2</sup> lot

**2011**  
Foundation of WEICON  
Kımya Sanayi in Istanbul, Türkiye

Set-up of the  
WEICON Online-Shop

**2012**  
Foundation of WEICON Romania  
in Targu Mures, Romania

WEICON participates in 45  
exhibitions all over the world

**2013**  
Foundation of WEICON SA,  
Muizenberg, South Africa

**2014**  
WEICON Adhesive Finder  
WEICON Catalogue

**2015**  
WEICON App  
Foundation of WEICON South  
East Asia in Singapore  
1st WEICON International  
Meeting in Dubai

2007  
-  
2015

**2016**  
10-year anniversary of  
WEICON Pen-System

Foundation of WEICON Czech Republic  
Beginning the expansion of the  
headquarters in Münster

**2017**  
ISO certification

Foundation of WEICON Ibérica S.L

**2018**  
Foundation of WEICON Italia S.r.l.  
in Genoa, Italy

Completion of the expansion of the  
headquarters in Münster

**2019**  
WEICON has been exhibiting at  
Hanover Fair for 60 years

First place top employer among  
medium-sized companies 2019

**2020**  
Expansion of the  
headquarters in Münster

Expansion of our  
training laboratory

Reddot winner

Ann-Katrin Weidling joins the  
company management

**2021**  
Expansion of the adhesive range  
with focus on epoxy resins

Award "Supplier of the Year 2021" in the  
field of Adhesive Bonding Technology

**2022**  
Acquisition of the company Jeln GmbH

**2023**  
Renaming of the company Jeln GmbH  
to WEICON Production GmbH

**2024**  
Foundation of WEICON Colombia  
S. A. S. and WEICON Australia Pty. Ltd.



2016  
-  
2024

Since 2005

# WEICON Middle East

On March 1st, 2005, our first branch office, WEICON Middle East LLC, was founded in Dubai in the United Arab Emirates.

Meanwhile, more than 750 customers are supplied and supported by the WEICON Middle East team. Adhesive specialists, trained at the Fraunhofer Institute in Bremen (Germany), flexibility and extremely short delivery times are just a few of the many strengths of our team in the United Arab Emirates. Even at summer temperatures of up to +45°C, over 1,000,000 different WEICON products have been sold and shipped to our customers in the region.

The following countries are currently supported by the WEICON team in Dubai: United Arab Emirates, Saudi Arabia, Bahrain, Kuwait, Oman, India, and eleven countries in East Africa. The branch office has an area of approx. 1,100 sqm. Up to 150 pallets with WEICON products can be stored in Dubai. This enables us to guarantee that our customers are supplied locally, quickly and reliably with our products.

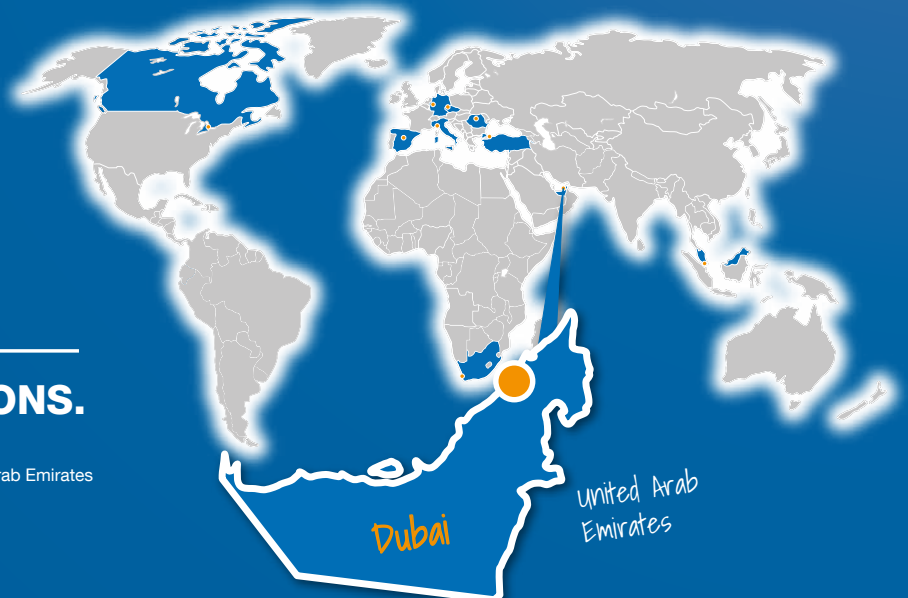
Thorsten Lutz and his team are responsible for the distribution of WEICON products and the technical support of our customers in the entire Gulf region. The team at WEICON Middle East is made up of twelve employees, six of whom work as field sales representatives.



**WE ARE WEICON**

**SIMPLY FIND SOLUTIONS.**

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 info@weicon.ae  
 www.weicon.ae





Since 2008



# WEICON Inc.

Since September 1st, 2008, WEICON is represented in North America by WEICON Inc. in Kitchener, Ontario, Canada.

We supply customers in the most important branches of industry of the Canadian economy, e.g. production and manufacturing, mining and the oil and natural gas industry, with our products.

WEICON Inc. has office and storage space of approximately 320 sqm. More than 30,000 WEICON articles intended for our customers in North America are stored here at 50 pallet stations and on additional shelf space.



**WE ARE WEICON**

**SIMPLY FIND SOLUTIONS.**

WEICON Inc.  
 20 Steckle Place · Unit 20 · Kitchener · Ontario N2E 2C3 · Canada  
 phone +1 877 620 8889  
 info@weicon.ca  
 www.weicon.ca



Since 2011

# WEICON Türkiye

Since April 2011, WEICON has been operating a branch office in Istanbul, Türkiye. WEICON Kimya Sanayi Tic. Ltd.Şti. provides support for our customers on the Bosphorus.

With its millions of inhabitants between Europe and Asia, Istanbul is the ideal location for our branch office in Türkiye. Our customers and partners in neighbouring countries are supplied with WEICON products from there as well.

The branch office has a large storage area. This assures that our products are available and enables us to guarantee that customers always receive our products quickly.

The team of the branch office under the leadership of Tolga Aksöz is responsible for providing our customers in the region with service and support.



## BİZ WEICON'UZ

### KOLAY ÇÖZÜM

WEICON Kimya Sanayi Tic. Ltd. Şti.  
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34538 Hladımköy-Esenyurt · İstanbul · Türkiye  
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# WEICON Romania

Our branch office in Romania was founded in March 2012. In 2013, it has been relocated to a new building.

The registered office of WEICON Romania has been located near Targu Mures in the heart of Romania since November 2013. Our employees in Targu Mures currently support numerous customers throughout Romania.

The warehouse stocks the whole WEICON product range, which ensures that customers are supplied quickly and flexibly with our products.



## SUNTEM WEICON

### PUR ȘI SIMPLU SOLUȚII

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Str. Podului Nr. 1 · 547176 Budiu Mic (Targu Mures) · Romania  
phone +40 (0) 3 65 730 763  
office@weicon.com







Since 2013

# WEICON South Africa

In November 2013, we founded our African subsidiary WEICON SA Pty Ltd. in Muizenberg near Cape Town

Branch Manager, Kyle Farla, oversees a team of eight well-trained employees including sales representatives in Johannesburg, Durban, Port Elizabeth and Cape Town.

This way, we can ensure that our customers receive the best and direct service from our team.

In addition to South Africa, our office in Cape Town also serves the neighbouring countries of Botswana, Zimbabwe, Zambia and Namibia.

Our flexibility and a very short delivery time are our strengths and distinguish us from other competitors on the market.

Our branch has an area of approx. 220 sqm. The warehouse in Muizenberg has space for up to 45 pallets of WEICON products. This enables us to guarantee that our customers are supplied with products quickly and reliably by the WEICON team on site.



**WE ARE WEICON**

**SIMPLY FIND SOLUTIONS.**

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 Unit No. D1 · Enterprise Village · Capricorn Drive · Capricorn Park  
 Muizenberg 7945 (Cape Town) · South Africa  
 phone +27 (0) 21 709 0088  
 info@weicon.co.za





WEICON

# South East Asia

Since 2015

WEICON South East Asia Pte. Ltd. – our branch in Singapore.

At the end of 2015, we opened our international branch in Singapore. The team of our branch office is responsible for the support of our customers in South East Asia.

Our location enables us to quickly react to growing demands and to support the interesting and challenging projects in this region.

Thanks to our team, our on-site warehouse and our network of local distributors, we can ensure fast delivery and personal service.



## WE ARE WEICON

### SIMPLY FIND SOLUTIONS.

WEICON South East Asia Pte Ltd  
7 Soon Lee Street · #01-11 iSpace · Singapore 627608  
phone (+65) 6710 7671  
info@weicon.com.sg







Since 2016 

WEICON

# Czech Republic

In March 2016, we founded our 7th international branch in Teplice in the north of the Czech Republic.

The Czech Republic is a very interesting market with great economic potential. The country has been a member of the European Union since May 2004. Now, 13 years later, it is one of the most developed industrial nations in Central and Eastern Europe. The Czech economy is strongly oriented towards the industry, in particular the automotive industry, metalwork and engineering, the chemical industry and the food and beverage industry. This provides a strong market for our products.

WEICON Czech Republic s.r.o. is the name of our branch. Its headquarters are located in Teplice, in the north of the Czech Republic close to the Czech-German border. The branch is managed by the local manager Vladimír Dufek.



MY JSME  
WEICON

JEDNODUŠE NAJDĚTE ŘEŠENÍ

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info@weicon.cz  
www.weicon.cz





Since 2017

# WEICON Ibérica S.L.

In early 2017, we founded our 8th international branch in Madrid, the capital of Spain.

The head of our branch, Alejandro González Cámara, and his team are responsible for customer services as well as customer acquisition in the Iberian Peninsula.

Spain is one of the most important European industrial nations and it is very important for us to be present there. Significant economic branches within the state are the foodstuffs, automotive and mechanical engineering industry. These areas are continuously expanding and indicate good growth figures. We benefit from this development through our new branch in Spain.



## SOMOS WEICON

### ENCONTRAR FÁCILMENTE SOLUCIONES

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# WEICON Italia S.r.L.

Since 2018 

In October 2018, we founded our 9th international branch in Italy.

WEICON Italia s.r.l., which is the name of the new branch, is situated in the Italian port city Genoa on the country's northwest coast. By founding our new international branch, we will consolidate and further establish our position in the Italian market. "We are looking forward to a very promising future in Italy," says Ralph Weidling.

"Italy is a very interesting market for us, which we have been involved in for quite some time now. The country is one of the biggest industrial nations in the world and it is extremely important for us to be present there. Italy's most important economic sectors are the machine, aircraft and vehicle construction industries, the shipbuilding industry as well as the chemical and textile industry, and the manufacturing of electronic products.

Therefore, Italy is a big market for our products. With our new branch in Northern Italy, we want to take advantage of this positive situation," Weidling further explains.



Winner of the CresciBusiness Award 2024



**NOI SIAMO WEICON**

**TROVARE LA SOLUZIONE IN MODO SEMPLICE**

WEICON Italia S.r.L.  
Via Gelasio Adamoli 35 · 16141 Genova · Italy  
phone +39 010 2924 871  
info@weicon.it





# WEICON Colombia

Since 2024

We have had our own branch in South America for a year now – more precisely at the northern tip of South America, in Colombia.

WEICON Colombia S.A.S, as the new branch is called, is located in Medellín in the north-west of the country. The branch is managed by local managing director Daniel Mesa Saldarriaga.

“We have been working successfully with Daniel for years, as he worked for a technical dealer in Colombia who sells our products. By founding our new branch, we will consolidate and expand our market position. We are looking forward to a very promising future in Colombia,” says Ralph Weidling.

“Colombia is a very interesting market for us, and its economy is growing. Our products can be used in important economic sectors in Colombia, such as mining, the maritime industry and metal construction. The country therefore offers a strong sales market for our products,” explains Ann-Katrin Weidling.



## SOMOS WEICON

### ENCONTRAR FÁCILMENTE SOLUCIONES

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About us

# WEICON Production GmbH



Our WEICON Production plant is located in Schwalmatal on the Lower Rhine. The focus is on research and development in order to offer our customers customised products. To this end, we have been cooperating with various universities and research institutes for years and are constantly expanding our product portfolio.

## Speciality products for the industrial sector

Our Schwalmatal plant produces special chemical products such as two-component epoxy resin systems for coating, wear protection and repair work. We develop casting compounds and adhesive systems, such as impact-resistant adhesives and adhesives with approvals for use in the food sector. In total, we have more than 250 formulations that have been developed for a wide variety of chemical products.

Our special products from WEICON Production are used in many areas of industry, such as mechanical engineering, waste water technology, the chemical industry, the marine sector, the paper industry and power stations.

“Thanks to our WEICON Production site in Schwalmatal, we have been able to considerably expand our range of special adhesive systems. This enables us to respond even more closely to the individual wishes and requirements of our customers and to offer them adhesives that meet their needs precisely,” says Ralph Weidling.

“The option of customising adhesives to our customers’ specific applications is in high demand and is the perfect addition to our extensive range of services,” adds Ann-Katrin Weidling.



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



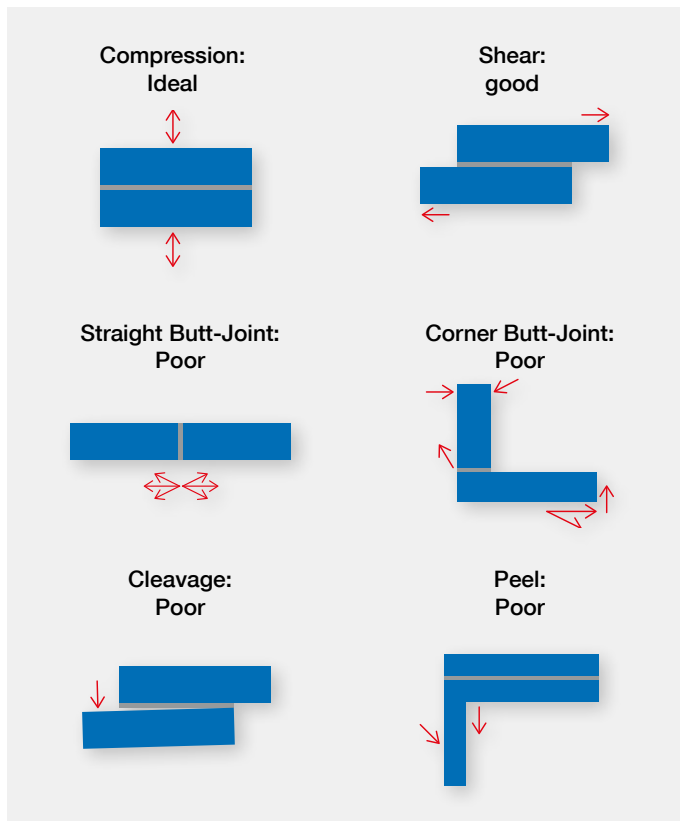
# Adhesive Bonding Basics

## Design and Construction of Bonding

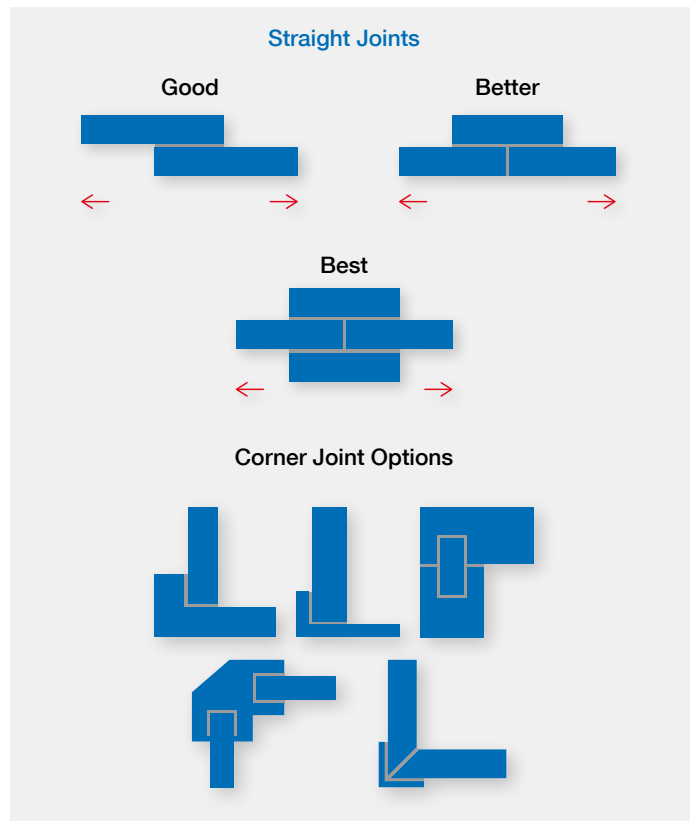
Adhesives are used in all areas of modern industry. Their use improves the quality and efficiency of components, parts and entire manufacturing processes. In addition to adhesion, the design of the joint, the surface preparation, the gap filling ability, the viscosity, the professional use of the adhesive and the conditions of use are important factors for a permanently functional bond.

## Joint Designs

### Typical Joints



### Suggested Improvements



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



You can find more interesting facts on the topic of **“adhesive bonding”** here

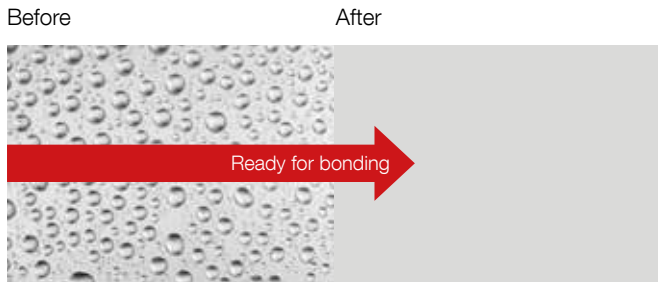




Are you unsure which adhesive is right for you?  
**Contact us!**

## Surface Preparation and treatment

Most materials can be bonded without extensive surface pre-treatment. We recommend cleaning each surface thoroughly with WEICON Surface Cleaner before bonding. Depending on the degree of soiling, further cleaning steps should be carried out beforehand. In order to maintain the maximum performance and process reliability of a bond, it may be advisable to treat the surface further after cleaning. This can be done mechanically (by grinding or sandblasting), chemically (by primer or adhesive cleaner) or highly energetically (flame treatment, corona or plasma). Combinations of these processes are also possible. All the methods mentioned serve to change the surface tension to such an extent that the adhesive can wet the surface in the best possible way.



### Surface Treatment

- ▶ Solvent wiping
- ▶ Mechanical abrasion
- ▶ Primers
- ▶ Chemical pretreatment
- ▶ Corona or plasma treatments
- ▶ Flame

#### Low Surface Energy



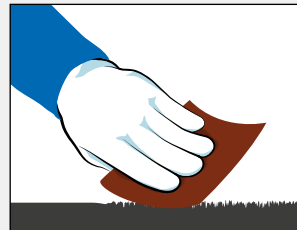
Poor Wetting

#### High Surface Energy

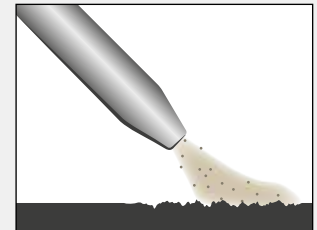


Good Wetting

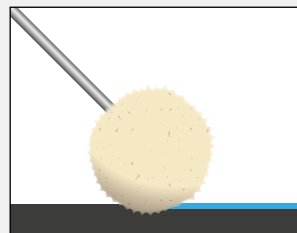
#### Mechanical abrasion



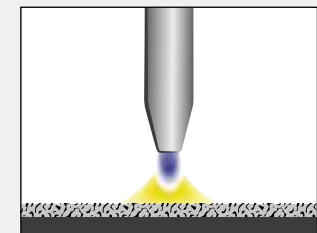
#### Sandblasting



#### Primer



#### Flame/Plasma



## Gap Fill and Adhesive Viscosity

The viscosity of the adhesive and the gap bridging are closely related. The higher the viscosity of the adhesive, the greater its ability to bridge gaps. It is important to note the maximum gap bridging for each product. Exceeding this maximum value can weaken the strength of the bond. To help classify viscosity, the following list provides information on everyday substances and their respective viscosities – from very low-viscosity water to high-viscosity peanut butter.

| Substance            | Water | Milk | Rapeseed oil | SW40 Motor oil | Castor oil | Maple syrup | Wood glue | Honey  | Chocolate syrup | Mustard | Peanut butter |
|----------------------|-------|------|--------------|----------------|------------|-------------|-----------|--------|-----------------|---------|---------------|
| Viscosity mPa.s = cP | 1     | 3    | 85–140       | 450–650        | 1.000      | 5.000       | 10.000    | 10.000 | 25.000          | 50.000  | 250.000       |

Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



# Adhesive Bonding Basics

## Adhesive Selection

When selecting the most suitable adhesive for an engineering application, a number of factors must be considered. The following tables will help narrow down the options. Our specialists will be happy to help you choose the right product for your needs.

| Chemistry                       | Adhesion  |                  |                |                | Cured State    |                    |
|---------------------------------|-----------|------------------|----------------|----------------|----------------|--------------------|
|                                 | Metal     | Glass            | Plastic        | Composite      | Flexibility    | Hardness           |
| Anaerobic                       | excellent | not applicable   | not applicable | not applicable | low            | rigid              |
| Cyanoacrylate                   | very good | poor             | excellent      | good           | low to medium  | rigid to very soft |
| Epoxy - 2-Part                  | excellent | excellent        | fair           | excellent      | low to medium  | rigid to very soft |
| MS Polymer                      | very good | good             | good           | very good      | high           | very soft          |
| Polyurethane                    | very good | good             | fair           | excellent      | medium to high | semi-rigid to soft |
| Structural Acrylic - 2 Part MMA | excellent | product-specific | excellent      | excellent      | medium         | semi-rigid         |

| Chemistry  | Solvent Resistance |           | Temperature Resistance  |                 |
|--|--------------------|-----------|---|-----------------|
|  | Polar              | Non-polar | Standard  | High Temp Grade |
| Examples of polar solvents: Water, Ethylene Glycol, IPA, Acetone<br>Examples of non-polar solvents: Motor Oil, Toluene, Gasoline |                    |           | Products can withstand higher temperatures for brief periods providing the joint is not unduly stressed |                 |
| Anaerobic  | very good          | very good | 150 °C (300 °F)   | 230 °C (450 °F) |
| Cyanoacrylate  | poor               | good      | 80 °C (175 °F)  | 140 °C (284 °F) |
| Epoxy - 2 Part   | very good          | very good | 120 °C (248 °F)   | 300 °C (570 °F) |
| MS Polymer   | fair               | fair      | 80 °C (175 °F)  | 200 °C (390 °F) |
| Polyurethane   | good               | good      | 100 °C (212 °F)   | -               |
| Structural Acrylic - 2 Part MMA  | good               | very good | 125 °C (257 °F)   | -               |
| Silicone   | good               | very good | 180 °C (356 °F)   | 300 °C (570 °F) |

# Green Tube®

## THE NEW SUSTAINABLE PACKAGING

**NEW**



page 113

page 129



The tip is made from 100% recycled plastic, the lid from our biopolymer



The tube-shaped bag prevents soiling of the cardboard cartridge

The cartridge casing is made of 100 % paper

Work with the future now.



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other



80%

LESS  
PLASTIC

### Sustainable packaging as an alternative to plastic cartridges

With the Green Tube, we wanted to develop a real alternative to conventional sealant and adhesive cartridges, as these cannot be recycled after use due to product residues. Because of these residues, plastic cartridges are usually incinerated – and this additionally generates large amounts of climate-damaging CO<sub>2</sub>.

The focus of our innovation: avoiding plastic waste by significantly reducing the proportion of plastic by 80 %. The cartridge casing is made of 100 % cardboard, which can be recycled after use.

The proportion of components that cannot be recycled has been reduced to a minimum. And that's not all: our cardboard cartridge produces 53 % less CO<sub>2</sub> emissions in the manufacturing process than a standard PE cartridge.

### Many advantages

The new WEICON Green Tube can be used with any standard cartridge gun and offers many advantages. Thanks to the tube-shaped bag, the shelf life of the product is extended by more than six months compared to PE cartridges – and this is achieved without any compromises in product quality or user-friendliness.

### Easy to use



### Simple disposal



\* If the hardened product residue has been removed, the lid and tip can be disposed of as plastic waste for recycling. If the product residue has not been removed, the lid and tip must be disposed of as residual waste.

**Plastic Metal**

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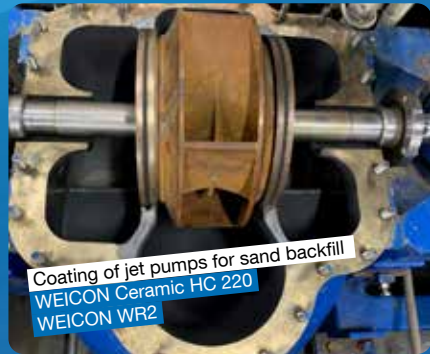
# 2-Component Adhesives and Sealants



Have a look at our **APPLICATIONS AND PRODUCTS!**



## Applications Plastic Metal



Coating of jet pumps for sand backfill  
WEICON Ceramic HC 220  
WEICON WR2



Coating of a cyclone in the mining industry  
WEICON HP  
WEICON WP



Centring of two cylinders  
WEICON WR



Repair of a ship propeller  
WEICON BR  
WEICON Ceramic BL

# Two-component epoxy resin systems

Add the hardener



Mix resin and hardener thoroughly and bubble-free



Apply mixed components



- ▶ providing fast and durable repairs
- ▶ bondings
- ▶ coatings

## Applications

For workshops and maintenance departments in all industries, WEICON Plastic Metal is the ideal product for:

- ▶ repairs on aluminium and light alloy
- ▶ reconditioning and repairing castings, pipes and tanks
- ▶ filling blowholes and microporosities
- ▶ working over shafts, sliding bearings, pumps and housings
- ▶ welding without preheating (wherever welding is problematic or impossible)

In industrial design and manufacturing, WEICON Plastic Metal is used for making moulds and models, in particular:

- ▶ as an aid for making moulds for rubber and injection moulded parts
- ▶ making dies
- ▶ templates and models for pre-production testing
- ▶ lining of cutting tool guides
- ▶ making fixing devices



### Contour Spatula Flexy

Versatile use, e.g. for coating and processing 2C-adhesives. The spatula is perfect for applying adhesives on large or small surfaces. It is made of wear-resistant polyamide.

10010066



Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



## Epoxy Resin Systems

# Plastic Metal



### WEICON A

Pasty | steel-filled | certified by DNV



WEICON A has a DNV certificate and is particularly suitable for repair and maintenance work in the maritime industry. The epoxy resin system is highly filled with steel pigments, magnetic and its pasty texture allows application even on vertical surfaces.

It can be used to remove corrosion damage and pitting or to repair holes and blowholes. For example, it can be used to reproduce heavy steel components showing severe damage by corrosion and pitting. In this case, WEICON A provides a real alternative to welding, as the application of the epoxy resin does not cause thermal distortion as in welding. The 2-component system can be used for repairs on tanks and pipes as well as for repairing cracks in engine or pump housings and machine parts. It is ideal for use in sewer systems where pipes and pipelines are exposed to strong media influences.

Other applications include the manufacture of models, moulds, tools and clamping devices. WEICON A can be used in mechanical engineering, in toolmaking, in the cement industry, in power plants, in model and mould making, and in many other industrial sectors.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054381    10000003    10000006

### WEICON B

Pasty | steel-filled | long pot life

The epoxy resin system WEICON B is particularly suitable for detailed reproductions in model and mould making, for the production of tools, templates, gauges and clamping devices, and for filling blowholes and microporosities on castings and steel parts as well as for general repair works where a steel-filled casting compound is advantageous.

The reconstructing of severely damaged steel components with WEICON B causes no thermal distortion of the components and thus no impairment of the metal structure, as for example during weld overlay. Due to the long pot life and curing time, larger quantities can be applied per working step. It can be used in mechanical engineering, toolmaking, model and mould making as well as many other areas.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054384    10000020    10000023

### WEICON C



aluminium-filled | temperature-resistant up to 220°C (428°F) | drinking water approval according to BS 6920

WEICON C is a temperature-resistant and flowable epoxy resin system especially for industrial use. The adhesive is non-corrosive, anti-magnetic and cures practically without shrinkage.

WEICON C is particularly suitable as an adhesive for large-surface applications, for the casting of moulds, and for the production of fixing devices and tools (e.g. injection moulds). It can be used in tool and mould making as well as in many other industrial areas, which are exposed to high thermal stress.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10051209    10000032    10000033



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



### WEICON BR

**Pasty | bronze-filled | non-corrosive**

The epoxy resin system WEICON BR is particularly suitable for filling blowholes and for repairing and reconditioning bronze parts and bronze castings.

It can be used in the entire marine and shipping industry as well as in many other industrial sectors. For example, it can be used to reproduce bronze components that show severe damage. Thereby, WEICON BR offers a real alternative to costly brazing.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 1.6 kg
- 10054386    10012669    10012670



### WEICON F2

**Flowable | aluminium-filled | non-corrosive**

The epoxy resin system WEICON F2 is suitable for the casting of models, moulds and templates, for the repair of porous and damaged castings, for the production of prototypes and holding devices, and for the casting of dies to verify accuracy.

It can be used in toolmaking, model and mould making and many other areas of industry.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054388    10000061    10000062

### WEICON F

**Pasty | aluminium-filled | non-corrosive**

WEICON F is especially suitable for applications on parts made of aluminium, its alloys, magnesium, and other light metals.

WEICON F can be used for cost-effective repairs of all kinds, for filling shrinkage defects in light metal castings, and for the reconstruction of components. The epoxy resin system can be used in tool making, model and mould making, and in many other industrial sectors.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054387    10000039    10000041





# Plastic Metal

## WEICON HB 300



**Pasty | steel-filled | high-temperature-resistant up to 280°C (536°F) for short periods of time**

WEICON HB 300 is pasty, steel-filled and resistant to high temperatures up to 200°C (392°F) (for short periods up to 280°C/536°F) and is processed in a mixing ratio of 1:1.

The epoxy resin system is also suitable for applications on vertical surfaces and can be used for repairs and adhesive bonding of castings and metal parts, for filling blowholes, for repairing damages on containers, car bodies and machine parts, and for sealing pumps and pipes. The product can be used in mechanical and industrial engineering, in equipment engineering, and in many other areas of industry.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 1.0 kg  
10004472    10001084    10000099



Repair of oil pipelines  
WEICON HB 300



Gap compensation on a  
press plate in a quarry  
WEICON HB 300



VIDEO



## WEICON HT 111



**Steel-filled | pasty | high-temperature-resistant**

The epoxy resin system WEICON HT 111 is used to repair and touch up metal parts. It is pasty, steel-filled and high-temperature-resistant up to 200 °C (392 °F). For a short period of time, it can withstand temperatures up to 280 °C (536 °F). WEICON HT 111 is chemical-resistant, non-corrosive and is processed with a mixing ratio of 1:1.

The repair material is suitable for processing on vertical surfaces and can be used for metal repairs and bonding on castings and metal parts, for filling blowholes, for repairing damage to containers, car bodies and machine parts, and for sealing pumps and pipes. Due to its properties, the composite material is particularly suitable for applications in mechanical and plant engineering, apparatus engineering and many other areas of industry.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 1.0 kg  
10062982    10062984    10062985

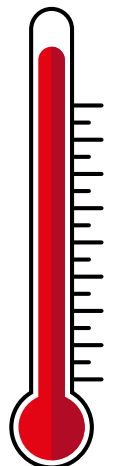
## WEICON Ceramic HC 220

**wear protection | temperature-resistant up to +220 °C | drinking water approval according to BS 6920**

The epoxy resin system WEICON Ceramic HC 220 provides high abrasion resistance and serves as wear protection for heavily used surfaces. It is temperature-resistant up to +220 °C, flowable, ceramic-filled, resistant to chemicals and has a high adhesive strength. Ceramic HC 220 can be easily processed with a paint brush and applied to large surfaces.

The epoxy resin systems is non-corrosive, anti-magnetic and cures practically without shrinkage. The product can be used in mechanical and plant engineering, in equipment engineering, and in many other areas of industry where high temperature loads are part of daily work.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg  
10060702    10060705    10060707





VIDEO



VIDEO

**WEICON Ceramic BL**



**Wear protection | increased efficiency | drinking water approval according to BS 6920**

WEICON Ceramic BL is filled with silicon carbide and zirconium silicate, offers high chemical and temperature resistance as well as extreme wear protection and high abrasion resistance. The epoxy resin system is especially suited for the lining of heavily stressed pump housings, as wear protection for slide bearings, slides, funnels and pipes and for the repair of castings, valves and blower fans. A coating with WEICON Ceramic BL, which gives surfaces a very smooth finish, increases the flow speed of liquids and thus increases the efficiency of pumps, pipes, valves, etc. by 5 % to 20 %.

The product can be used in mechanical and plant engineering, in apparatus engineering and in many other areas of industry. Wear-resistant final coating for all Plastic Metal types. WEICON Ceramic BL is suitable in combination with one of the other WEICON Plastic Metal types for a system build-up as a surface finish for visual inspection.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054394    10000093    10005233

**WEICON GL**

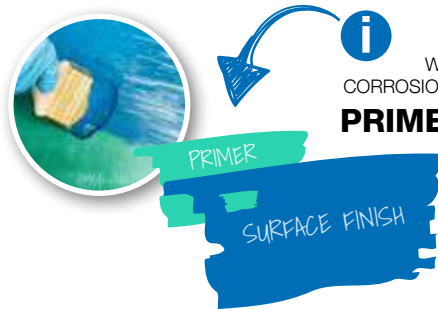
**Sprayable | mineral-filled | short processing time | extremely wear-resistant | temperature-resistant up to +180 °C (+356 °F)**

The epoxy resin system WEICON GL provides high abrasion resistance and serves as wear protection for heavily used surfaces. It is flowable, has a high initial strength, is mineral-filled, and resistant to chemicals.

It is particularly suitable for lining heavily stressed pump casings, as wear protection for slide bearings, chutes, funnels and pipes and for the repair of castings, valves and fan blades.

The product can be used in mechanical and plant engineering, in equipment engineering, and in many other areas of industry. WEICON GL is suitable in combination with one of the other WEICON Plastic Metal types for a system build-up as a surface finish for visual inspection.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 1.0 kg
- 10057791    10057714    10057800



WEICON PRODUCTS FOR WEAR, EROSION AND CORROSION PROTECTION ARE EXCELLENTLY SUITED AS **PRIMER AND SURFACE FINISH** FOR A SYSTEM BUILD-UP WITH A VISUAL CONTROL LAYER

**WEICON GL-S**



**Flowable | mineral-filled | wear protection | control layer | temperature-resistant up to +180 °C (+356 °F)**

The epoxy resin system WEICON GL-S provides high abrasion resistance and serves as wear protection for heavily used surfaces. It is flowable, spreadable (can be applied with a paint brush), has a high initial strength, is mineral-filled, and resistant to chemicals.

WEICON GL-S is suitable in combination with one of the other WEICON Plastic Metal types for a system build-up as a surface finish for visual inspection. Due to its long recoat time of five hours, GL-S is especially suitable for applications at higher ambient temperatures or for larger surfaces. It is particularly suitable for lining heavily stressed pump casings, as wear protection for slide bearings, chutes, funnels and pipes, and for the repair of castings, valves and fan blades.

The product can be used in mechanical and plant engineering, in equipment engineering, and in many other areas of industry.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10060361    10060362    10060363



**Brush 35, flat, Plastic Metal**

**Brush 60, flat, Plastic Metal**

**Natural bristles 24 mm, for flowable materials**

Especially suitable for processing the easy-to-spread WEICON epoxy resin systems. The material can be worked into various surfaces very easily with a brush. The brush is available in 35 mm and 60 mm widths.



10059417



10068373

**Brush 35 long, Adhesive**

**Natural bristles 46 mm, for viscous materials**

Especially suitable for processing liquid and flowable WEICON products. The material can be applied evenly and over a large area with the brush.



10065455



## Epoxy Resin Systems

## Plastic Metal

## WEICON WL

**surface coating | excellent base coat for stainless steel surfaces | with residual elasticity**

The WEICON WL epoxy resin system is used to coat surfaces that are subject to stresses. It has a high adhesive strength, especially on stainless steel. It is liquid, sprayable, spreadable (can be applied with a brush), self-levelling, retains residual elasticity, is ceramic-filled and chemical-resistant.

Owing to its long pot life, WEICON WL can be used for applications with higher ambient temperatures or for larger surfaces. Due to the high flowability of WEICON WL, it is important to ensure a low layer thickness and to observe the layer sequence time. WEICON WL is well suited for a system build-up in combination with other Plastic Metal types.

For example, the 2-component epoxy resin can be used as a primer when lining pump casings made of stainless steel that are subject to heavy stress. The surface coating can be used in the field of wastewater technology, on pumps, in water pumping, in mechanical and plant engineering, in apparatus engineering and in many other areas of industry.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg  
10067876    10067882    10067887

## WEICON Anti-Static

**Wear protection system | high chemical resistance | antistatic**

WEICON Anti-Static is a liquid, antistatic 2-component epoxy resin system with a high content of fine ceramic fillers. It is used to protect surfaces against wear and corrosion. By combining high-strength particles with a viscoplastic polymer matrix, the system offers a high level of wear protection. It has good chemical resistance and high abrasion resistance. The coating adheres very well even under vibration and elongation on a wide variety of surfaces and does not drip. The wear protection system is free of tar and solvents and cures almost without shrinkage. Anti-Static is suitable for coating a wide variety of parts, such as rollers, pumps, chutes, conveyors, lifting screws, separators, hoppers, propellers, fans, and heat exchangers.

WEICON Anti-Static is suitable in combination with one of the other WEICON Plastic Metal types for a system build-up as an antistatic surface finish.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg  
10062957    10062958    10062959

## WEICON Food Grade



**Wear protection | corrosion protection | foodstuffs approval | drinking water approval according to BS 6920**

WEICON Food Grade is a flowable 2-component epoxy resin system with a high content of fine mineral fillers. The coating system has been approved by the Ruhr District Institute of Hygiene for contact with aqueous and fatty foodstuffs up to 70 °C. It is used both to protect surfaces against wear and corrosion and as an adhesive.

The coating is easy to apply and adheres to a wide variety of surfaces even under mechanical stress. The wear protection has very good chemical resistance and is suitable for coating a wide variety of parts, such as pumps, conveyor systems, lifting screws, hoppers, tanks, and pipes.

WEICON Food Grade is suitable on its own or in combination with one of the other WEICON Plastic Metal types for a system build-up.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg  
10062864    10062869    10062875

## WEICON Anti-Stick

**anti-stick effect | increased efficiency | sprayable**

WEICON Anti-Stick is a liquid, grey 2-component epoxy resin system with mineral fillers for the protection of heavily stressed surfaces against aggressive chemicals and corrosion. It was specially developed for application with low-pressure equipment. In addition to the mineral fillers, Anti-Stick contains special additives that create an anti-stick effect and thus prevent flour, dust or suspended particles, for example, from sticking. The epoxy resin system has good chemical and thermal resistance up to +120 °C. It is free from solvents and cures with virtually no shrinkage.

A coating with WEICON Anti-Stick, which gives surfaces a very smooth finish, increases the flow speed of liquids and thus increases the efficiency of pumps, pipes, valves, etc. by 5 % to 20 %. Anti-Stick is applied directly to the parts by sandblasting after thorough preparation of the substrate. The coating adheres very well to a wide variety of surfaces and is suitable for many different parts such as plain bearings, chutes, funnels and pipes as well as for coating castings and valves. The system can be used in mechanical and plant engineering, in apparatus engineering, in the paper industry, in the bulk goods industry, in exhaust gas systems, in mining, in open-cast mining, in chemical plants and in many other areas of industrial production. In any case, preliminary tests under practical conditions are recommended; especially if the parts are additionally exposed to increased temperature or mechanical stress. WEICON Anti-Stick is suitable on its own or in combination with one of the other WEICON plastic metal types for a system build-up as an anti-stick coating.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg  
10062938    10062940    10062941



Coating of a milling machine in screw production  
 WEICON HP  
 WEICON WP  
 WEICON Ceramic HC 220

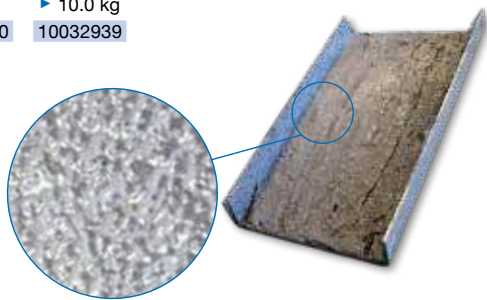
**WEICON WP**

**Pasty | high strength | ceramic-filled | extremely high resistance against abrasion and wear | residual elasticity and impact-resistant**

WEICON WP serves as protection for surfaces subject to heavy wear. A coating with the epoxy resin system offers high resistance to wear and abrasion and is extremely resistant to chemicals.

WEICON WP prevents metal loss and, depending on the application, replaces previously used wear-resistant alloys, ceramic tiles or rubber lining as well as welded metal coatings. It can be used both for the reconditioning of worn metal surfaces and as a wear-resistant coating. A particularly high level of protection is achieved when wear is caused by laterally impacting particles.

- ▶ 0.2 kg    ▶ 2.0 kg    ▶ 10.0 kg
- 10054399    10032320    10032939



**WEICON SF**

**Pasty | steel-filled | certified by DNV**



WEICON SF has a DNV certificate and is particularly suitable for quick repairs and repair work on leaking pipes, housings and gears, for anchoring and for the production of clamping devices.

The epoxy resin system can be used in mechanical engineering, tool production, model and mould making, the maritime industry and many other areas.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10009769    10000071    10000072

**WEICON TI**

**Pasty | titanium-filled | temperature-resistant up to +200°C (+392°F) (briefly up to +260°C/+500°F)**

WEICON TI has high pressure resistance and very good chemical resistance. It is particularly suitable for repairs of pumps, valves, wear plates, ball bearing seats, shafts and propellers, and for lining pump housings and slide bearings.

The epoxy resin system can be used in mechanical and industrial engineering, in equipment engineering, and in many other areas of industry.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054397    10013464    10013475

**WEICON Ceramic W**

**Pasty | ceramic-filled | wear-resistant**

The epoxy resin system WEICON Ceramic W offers high wear protection and high abrasion resistance. It is resistant to chemicals and has a high temperature resistance up to 230°C (446°F); for short periods of time even up to 250°C (482°F).

Ceramic W is non-drip, can be processed with a spatula, and applied on vertical surfaces or even overhead. It is suitable for adhesive bonding or lining aluminium oxide bricks in mill construction, for lining heavily stressed pump housings, as wear protection for slide bearings, slides and pipes, and wherever the use of dark products is not desired for visual reasons. It can be used in mechanical and industrial engineering, in mill construction, equipment engineering, and many other areas of industry.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054395    10012232    10012233





## Epoxy Resin Systems

## Plastic Metal

## WEICON UW

Pasty | mineral-filled | adheres to wet and moist surfaces

WEICON UW is a 2-component epoxy resin system with fast curing. It is particularly suitable for repairs and repair works, for example on pipes, pumps, tanks, and containers.

Due to its special formulation, WEICON UW also offers very good adhesion when bonded under water. Therefore, it can be used in the entire marine and shipping sector, in sewage plants, and wherever moisture and wetness may cause problems with the adhesion.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg  
10054398    10000933    10000936



| Characteristics                             |             | Plastic Metal UW       |
|---|-------------|------------------------|
| Pot life                                    |             | 30 min.                |
| Can be exposed to mechanical stresses after |             | 12 h                   |
| Complete curing                             |             | 36 h                   |
| Bond  | Use         | Plastic Metal UW       |
| above water                                 | above water | 23.8 N/mm <sup>2</sup> |
| above water                                 | under water | 20.5 N/mm <sup>2</sup> |
| under water                                 | under water | 15.3 N/mm <sup>2</sup> |

Adhesive bonding following the DIN 1465 standard on V2A steel, sand-blasted, after storage for 7 days at 20°C.

Ideal water temperature for processing  
WEICON UW: +20°C to +40°C

## WEICON HP

Pasty | mineral-filled | shock-resistant | adheres to wet and moist surfaces

WEICON HP is a 2-component epoxy resin system with high adhesive strength, enormous impact strength as well as high residual elasticity and abrasion resistance.

Due to its high elongation at break and the pasty texture of the epoxy resin, WEICON HP can be used for adhesive bonding, repairs, and for lining heavily used equipment. Particularly on wet and moist surfaces, the adhesive is able to build up a very good adhesion to various materials.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg  
10054393    10054003    10054004



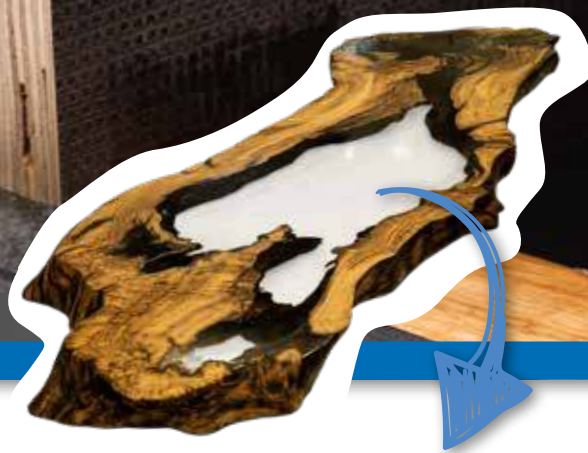
## WEICON Fire Safe

Flame-retardant | strong adhesion | trowelable

WEICON Fire Safe is a white, flame-retardant, trowelable 2-component adhesive. It is suitable for fire protection applications and is used to attach wear protection ceramics or steel parts to a wide variety of surface materials, such as metal, concrete, or similar.

The adhesive system shows very high adhesive strength, is hard-flexible after curing and has been modified to be impact-resistant. Even under the most extreme conditions, the adhesive does not become brittle. It shows good wear protection properties in particle erosion, has good chemical resistance and is solvent-free. Fire Safe contains additives that cause self-extinguishing within a few seconds. It was tested in accordance with DIN EN ISO 340 at the DMT in Dortmund and passed the test successfully.

▶ 0.2 kg    ▶ 0.5 kg    ▶ 1.0 kg  
10062919    10062920    10062921



**WEICON Casting Resin MS 1000**

**Liquid | unfilled | low viscosity**

WEICON Casting Resin MS 1000 is a transparent and very flowable epoxy resin system with high mechanical strength. It is suitable for a wide range of applications.

MS 1000 adheres well to metal, wood, rigid foam and many plastics. It can be used for large-surface adhesive bonding or for laminating composite threaded bushes and screws. Due to its low viscosity, the epoxy resin system is also suitable for the casting of electric components.

It can be used for the production of fibre composites, in tool and mould making, in the electrical industry, in machine construction, and in many other industrial fields. MS 1000 shows good wetting and penetration results of glass fabric and is therefore well-suited for laminating glass, aramid and carbon fibre for the production of fibre-reinforced components. It can also be easily combined with different fillers (powdery, fibrous, fabric).

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 1.0 kg
- 10054402    10040057    10000168



VIDEO

**WEICON WR**

**Liquid | steel-filled | wear-resistant**

WEICON WR is suitable for areas where metal parts are subject to heavy wear due to friction. For example, the epoxy resin system can be used for repairs and for casting around shafts, for casting bearings, cutting and punching tools, for the production of castings, copy milling models and moulds, for underpouring machines and foundations, and as a wear-resistant base layer before the final coating with WEICON Ceramic BL.

It can be used in mechanical engineering, toolmaking, model and mould making, and in many other industrial sectors.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054400    10000077    10000078

**WEICON Casting Resin Plus 90**

**Casting compound | crystal clear | low viscosity | up to 90 mm layer thickness**

The epoxy resin system WEICON Casting Resin Plus 90 is a casting compound which cures crystal clear. Its special formulation allows high layer thicknesses up to 90 mm. The compound can also be used to coat sensitive surfaces and protects against damages. The casting resin has a low viscosity, high mechanical stability, is impact-resistant, has a high moisture resistance and a good UV resistance. It can be processed very well manually and mechanically - whether by grinding, filing or drilling.

Casting Resin Plus 90 is particularly suitable for applications with high visual requirements. Whether in the production of design objects, furniture construction, trade fair construction, yacht and boat building, wood processing, arts and crafts, or gardening and landscaping - the casting resin is suitable for a wide range of applications.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 1.0 kg
- 10060675    10060677    10060681



VIDEO

**WEICON WR2**

**Pasty | mineral-filled | wear-resistant | high abrasion resistance**

WEICON WR2 is a pasty wear protection and is particularly suitable for areas where the application of casting compounds is not possible, such as repairs of conveyor systems, guide rails and slideways. The epoxy resin system can also be used to prevent wear on metal surfaces which are exposed to high abrasion and erosion. It serves as a wear-resistant base layer before the subsequent coating with WEICON Ceramic BL.

WR2 can be used in mechanical and industrial engineering, in equipment engineering, and in many other industrial sectors.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054401    10000087    10000088

**WEICON ST**

**Thixotropic | can be applied with a spatula | metal-filled | non-corrosive**

WEICON ST is suitable for versatile repairs and repair works on machine parts and workpieces made of stainless steel, such as tanks, pipes, containers, funnels, and flanges.

The epoxy resin system can be used in the chemical industry, in the entire marine and shipping sector, in sewage plants, in the paper industry, and in many other areas.

- ▶ 0.2 kg    ▶ 0.5 kg    ▶ 2.0 kg
- 10054396    10000900    10000903



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



# Epoxy Resin Systems

## Plastic Metal

### Epoxy Resin Putty

high-strength | versatile | temperature-resistant up to +200 °C

WEICON Epoxy Resin Putty is a metal-free, kneadable 2-component compound. The product can be used for various purposes. It is suitable for the reconditioning and repair of castings, the rebuilding of shafts, slide bearings, pumps and housings, the renewal of defective threads, the production of templates and models, and for repair works on aluminium, light metal and injection moulded parts. The compound can be used to seal pipes and tanks and to fix screws and hooks. It can be used to remove corrosion damage and pitting or to repair holes and blowholes.

Epoxy Resin Putty adheres particularly well to all metals and also to ceramics, glass, stone, concrete, wood, rubber and many plastics. When cured, WEICON Epoxy Resin Putty is machinable, paintable and resistant to petrol, oil, esters, salt water and most acids and alkalis. It has a high-temperature-resistance up to +200°C (+392°F), is non-magnetic and non-corrosive. Due to the simple mixing ratio of 1:1 by weight and volume, resin and hardener can be portioned very easily in the desired quantity. WEICON Epoxy Resin Putty can be used in machine construction, tool construction, model and mould making, and in many other industrial applications.

▶ 0.1 kg    ▶ 0.4 kg    ▶ 0.8 kg  
 10000103    10000104    10000105

### Balancing Putty **NEW**

Kneadable balancing compound | fast application without tools

WEICON Balancing Putty is an easy-to-use, cold-curing 2-component epoxy resin system. The resin putty is used especially for balancing armatures for electric motors. Compared to machining processes such as drilling or milling, this type of balancing has several advantages. No tools are required for the processing of the balancing putty. And no work is required on the armature core. This results in a quality improvement in terms of motor noise and efficiency. The use of putty saves time, as e.g. deburring the balanced areas is not necessary. Armatures, which were single-plane balanced by machining, can be two-plane balanced with the Balancing Putty without requiring additional time. No metal chips are created, which can get caught in the winding and cause damage. The potential risk of accidents during drilling and/or milling is eliminated. For example, the Balancing Putty is not shaken off in the test run (in uncured condition) during the balancing process at 3000 rpm (diameter of the armature 40mm).

▶ 0.4 kg    ▶ 1.0 kg    ▶ 5.0 kg  
 10000129    10000113    10000114



### Technical data

|  | Epoxy Resin Putty                  | Balancing Putty   |
|--|------------------------------------|---|
| Base   | epoxy resin                        | epoxy resin   |
| Filler   | mineral-filled                     | mineral-filled  |
| Pot life at +20°C (+68°F) (25 g material)                                | 20 min.                            | 60 min.   |
| Density of the mixture   | 2,0 g/cm³                          | 2,5 g/cm³   |
| Processing temperature   | +15 to +40 °C<br>(+59 to +104 °F)  | +10 to +35 °C<br>(+50 to +95 °F)                                  |
| Curing temperature   | +6 to +40 °C<br>(+43 to +104 °F)   | +6 to +40 °C<br>(+43 to +104 °F)                                  |
| Colour after curing  | green                              | green   |
| Gap covering power to max.   | 20 mm                              | -   |
| Capable of bearing mechanical loads<br>(80 % strength/+20°C/+68°F) after | 2 h                                | 10 h  |
| Final strength<br>(100 % at +20°C/+68°F) after                           | 5 h                                | 16 h  |
| Pressure (DIN EN ISO 604)  | 80 MPa (11.600 psi)                | 80 MPa (11.600 psi)   |
| Shore hardness D (DIN ISO 7619)  | 85±3                               | 90±3  |
| Tensile shear strength<br>(DIN EN ISO 527-2)                             | 19 MPa (2.760 psi)                 | 30 MPa (4.351 psi)  |
| Temperature resistance   | -35 to +200 °C<br>(-31 to +392 °F) | -40 to +130 °C<br>(-40 to +266 °F) briefly<br>to +300 °C (572 °F) |



Repair of imbalances on aluminium rollers  
Balancing Putty

## Technical Data

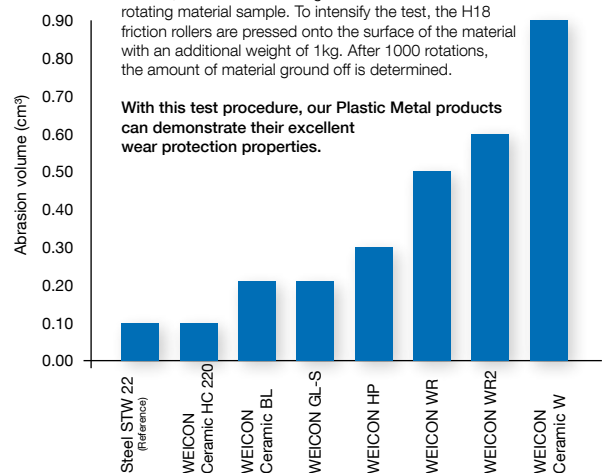
### WEICON Plastic Metal in non-cured condition

|                              | Filler                               | Texture  | Colour                              | Mixing ratio (Weight %) |          | Viscosity of the mixture mPa.s | Density of the mixture g/cm <sup>3</sup> | Max. layer thickness per application mm | Pot life at +20°C (+68°F) (500 g preparation) | Curing time in h |                |
|------------------------------|--------------------------------------|----------|-------------------------------------|-------------------------|----------|--------------------------------|--|---|---|------------------|----------------|
|                              |                                      |          |                                     | Resin                   | Hardener |                                |  |   |   | Mechanical loads | Final hardness |
| WEICON A                     | steel                                | pasty    | dark grey                           | 100                     | 10       | 850,000                        | 2.6                                      | 20                                      | 60 min.                                       | 6                | 24             |
| WEICON B                     | steel                                | flowable | dark grey                           | 100                     | 10       | 200,000                        | 2.5                                      | 30                                      | 60 min.                                       | 13               | 24             |
| WEICON BR                    | bronze                               | pasty    | bronze metallic                     | 100                     | 100      | 750,000                        | 1.8                                      | 12                                      | 60 min.                                       | 6                | 12             |
| WEICON C                     | aluminium                            | flowable | grey                                | 100                     | 11       | 35,000                         | 1.6                                      | 10                                      | 60 min.                                       | 6                | 12*            |
| WEICON F                     | aluminium                            | pasty    | aluminium metallic                  | 100                     | 20       | 880,000                        | 1.9                                      | 30                                      | 60 min.                                       | 12               | 36             |
| WEICON F2                    | aluminium                            | flowable | aluminium metallic                  | 100                     | 14       | 200,000                        | 1.6                                      | 10                                      | 60 min.                                       | 26               | 72             |
| WEICON HB 300                | steel                                | pasty    | dark grey                           | 100                     | 100      | 1,700,000                      | 2.5                                      | 20                                      | 30 min.                                       | 10               | 24*            |
| WEICON Ceramic BL            | silicium carbide, zirconium silicate | flowable | blue                                | 100                     | 8        | 23,000                         | 1.9                                      | 10                                      | 55 min.                                       | 8                | 12             |
| WEICON Ceramic HC 220        | silicium carbide, zirconium silicate | flowable | dark grey                           | 100                     | 10       | 30,000                         | 1.8                                      | 10                                      | 45 min.                                       | 6                | 10             |
| WEICON HT 111                | steel                                | pasty    | dark grey                           | 100                     | 100      | 1,900,000                      | 2.5                                      | 20                                      | 30 min.                                       | 9                | 24*            |
| WEICON GL                    | mineral-filled                       | flowable | green                               | 100                     | 20       | 13,000                         | 1.3                                      | 10                                      | 30 min.                                       | 6                | 8              |
| WEICON GL-S                  | silicium carbide, zirconium silicate | flowable | green                               | 100                     | 8        | 23,000                         | 1.9                                      | 10                                      | 55 min.                                       | 8                | 12             |
| WEICON Ceramic W             | aluminium oxide                      | pasty    | white                               | 100                     | 25       | 120,000                        | 1.9                                      | 10                                      | 120 min.                                      | 7                | 24*            |
| WEICON SF                    | steel                                | pasty    | dark grey                           | 100                     | 33       | 800,000                        | 1.8                                      | 10                                      | 5 min.  | 1                | 6              |
| WEICON ST                    | stainless steel                      | pasty    | light grey                          | 100                     | 50       | 550,000                        | 1.7                                      | 10                                      | 60 min.                                       | 9                | 12             |
| WEICON HP                    | mineral-filled                       | pasty    | white                               | 100                     | 83       | 550,000                        | 1.5                                      | 10                                      | 30 min.                                       | 12               | 36             |
| WEICON TI                    | titan                                | pasty    | grey                                | 100                     | 33       | 550,000                        | 1.6                                      | 10                                      | 120 min.                                      | 9                | 16*            |
| WEICON UW                    | mineral-filled                       | pasty    | white                               | 100                     | 83       | 550,000                        | 1.5                                      | 10                                      | 30 min.                                       | 12               | 36             |
| WEICON WL                    | ceramic-filled                       | liquid   | white                               | 100                     | 22       | approx. 7,000                  | 1.7                                      | 20                                      | 70 min.                                       | 18               | 36             |
| WEICON WP                    | ceramic                              | pasty    | grey                                | 100                     | 100      | 900,000                        | 2.2                                      | 20                                      | 30 min.                                       | 12               | 36             |
| WEICON WR                    | steel                                | liquid   | black                               | 100                     | 15       | 4,000-5,000                    | 2.4                                      | 10                                      | 40 min.                                       | 7                | 16             |
| WEICON WR2                   | mineral-filled                       | pasty    | anthracite                          | 100                     | 33       | 560,000                        | 1.9                                      | 20                                      | 30 min.                                       | 5                | 12             |
| WEICON Casting Resin MS 1000 | unfilled                             | liquid   | transparent, slight inherent colour | 100                     | 20       | 1,200                          | 1.2                                      | 10                                      | 80 min.                                       | 14               | 24             |
| WEICON Casting Resin Plus 90 | unfilled                             | liquid   | crystal clear                       | 100                     | 42       | 180-230                        | 1.1                                      | 90                                      | 30-35 hours                                   | 4 days           | 14 days        |
| WEICON Food Grade            | mineral-filled                       | flowable | white                               | 100                     | 18       | 35,000-40,000                  | 1.7                                      | 10                                      | 30 min.                                       | 8                | 24             |
| WEICON Fire Safe             | mineral-filled                       | pasty    | white                               | 100                     | 67       | 60,000                         | 1.6                                      | 20                                      | 30 min.                                       | 8                | 24             |
| WEICON Anti-Static           | aluminium oxide                      | liquid   | black                               | 100                     | 32       | 15,000-20,000                  | 1.5                                      | 10                                      | 30 min.                                       | 12               | 36             |
| WEICON Anti-Stick            | mineral-filled                       | liquid   | grey                                | 100                     | 45       | 15,000-20,000                  | 1.5                                      | 10                                      | 30 min.                                       | 8                | 24             |

### ABRASION RESISTANCES ABRASION MEASUREMENT ACCORDING TO TABER

|                          | Density (g/cm <sup>3</sup> ) | Abrasion volume (cm <sup>3</sup> ) |
|--------------------------|------------------------------|------------------------------------|
| Steel STW 22 (Reference) | 7.9                          | 0.1                                |
| WEICON Ceramic HC 220    | 1.7                          | 0.1                                |
| WEICON Ceramic BL        | 1.9                          | 0.2                                |
| WEICON GL-S              | 1.9                          | 0.2                                |
| WEICON HP                | 1.5                          | 0.3                                |
| WEICON WR                | 2.4                          | 0.5                                |
| WEICON WR2               | 1.9                          | 0.6                                |
| WEICON Ceramic W         | 1.6                          | 0.9                                |

The Taber abrasion test according to DIN ISO 9352 is used to determine the abrasion resistance of various material types. For this, two friction wheels grind over the surface of a rotating material sample. To intensify the test, the H18 friction rollers are pressed onto the surface of the material with an additional weight of 1kg. After 1000 rotations, the amount of material ground off is determined.



With this test procedure, our Plastic Metal products can demonstrate their excellent wear protection properties.



# Plastic Metal

## Technical Data

### WEICON Plastic Metal in cured condition

|                              | Tensile<br>MPa (psi) | E-Module (Tensile)<br>MPa (KSI)   | Compressive<br>MPa (psi) | Flexural<br>MPa (psi) | Shore<br>hardness D | Shrinkage % | Temperature resistance<br>°C (°F)                             | Thermo forming<br>resistance<br>°C (°F)<br>DIN EN ISO 75-2 | Glass transition temperature<br>(DSC)                 |                                    |
|------------------------------|----------------------|-----------------------------------|--------------------------|-----------------------|---------------------|-------------|---|--|---|------------------------------------|
|                              | DIN EN ISO 527-2     |                                   | DIN EN<br>ISO 604        | DIN EN<br>ISO 178     | DIN ISO 7619        |             |   |  | T <sub>g</sub> after<br>curing at<br>room temperature | T <sub>g</sub> after<br>tempering* |
| WEICON A                     | 41<br>(5950)         | 5,300-5,700<br>(770-825)          | 80<br>(11,600)           | 63<br>(9,140)         | 82±3                | 0.18        | -35 to +120 (-31 to +248)                                     | +79 °C (+174 °F)   | approx. 61 °C   | +80 °C                             |
| WEICON B                     | 43<br>(6,250)        | 4,100 - 4,600<br>(600 - 670)      | 106<br>(15,380)          | 72<br>(10,440)        | 84 ±3               | 0.10        | -35 to +120 (-31 to +248)                                     | +67 °C (+153 °F)   | approx. +57 °C  | +66 °C                             |
| WEICON BR                    | 55<br>(7,980)        | 7,000 - 7,200<br>(1,020 - 1,040)  | 91<br>(13,200)           | 35<br>(5,100)         | 87 ±3               | 0.280       | -35 to +120 (-31 to +248)                                     | +50 °C (+122 °F)   | approx. +47 °C  | +48 °C                             |
| WEICON C                     | 50<br>(7,250)        | 6,400 - 7,500<br>(930 - 1,090)    | 174<br>(25,240)          | 83<br>(12,040)        | 89 ±3               | 0.07        | -80 to +220 (-112 to +428)                                    | +60 °C/+108 °C*<br>(test report KIL) (+140/+ 248)          | approx. +58 °C  | +120 °C                            |
| WEICON F                     | 31<br>(4,500)        | 4,400 - 5,000<br>(640 - 725)      | 66<br>(9,570)            | 53<br>(7,690)         | 85 ±3               | 0.12        | -35 to +120 (-31 to +248)                                     | +51 °C (+124 °F)   | approx. +52 °C  | +59 °C                             |
| WEICON F2                    | 31<br>(4,500)        | 3,200 - 3,400<br>(465 - 495)      | 39<br>(5,660)            | 26<br>(3,770)         | 77 ±3               | 0.160       | -35 to +120 (-31 to +248)                                     | +55 °C (+131 °F)   | approx. +52 °C  | +60 °C                             |
| WEICON HB 300                | 50<br>(7,250)        | 7,000 - 7,200<br>(1,020 - 1,040)  | 100<br>(14,500)          | 42<br>(6,100)         | 85 ±3               | 0.150       | -35 to +200 briefly to +280<br>(-31 to +392 briefly to +536)  | +100 °C* (+212 °F)   | approx. +57 °C  | +92 °C                             |
| WEICON Ceramic BL            | 59<br>(8,560)        | 7,100 - 7,300<br>(1,030 - 1,060)  | 116<br>(16,800)          | 80<br>(11,600)        | 90 ±3               | 0.130       | -35 to +180 (-31 to +356)                                     | +55 °C (+131 °F)   | approx. +52 °C  | +108 °C                            |
| WEICON Ceramic HC 220        | 51<br>(7,400)        | 5,300 - 7,000<br>(770 - 1,020)    | 160<br>(23,210)          | 83<br>(12,040)        | 85 ±3               | 0.140       | -35 to +220 (-31 to +428)                                     | +130 °C* (+266 °F)   | approx. +50 °C  | +130 °C                            |
| WEICON HT 111                | 50<br>(7,250)        | 6,800-7,400<br>(990 - 1,070)      | 100<br>(14,500)          | 42<br>(6,100)         | 87 ±3               | 0.150       | -35 to +200 briefly to +280<br>(-31 to +392 briefly to +536)  | +100 °C* (+212 °F)   | approx. +57 °C  | +92 °C                             |
| WEICON GL                    | 59<br>(8,560)        | 3,300 - 3,700<br>(480 - 535)      | 99<br>(14,360)           | 122<br>(17,700)       | 81 ±3               | 0.190       | -35 to +180 (-31 to +356)                                     | +125 °C (+257 °F)  | approx. +57 °C  | +126 °C                            |
| WEICON GL-S                  | 59<br>(8,560)        | 7,100 - 7,300<br>(1,030 - 1,060)  | 116<br>(16,800)          | 98<br>(14,210)        | 90 ±3               | 0.130       | -35 to +180 (-31 to +356)                                     | +81 °C (+178 °F)   | approx. +58 °C  | +108 °C                            |
| WEICON Ceramic W             | 54<br>(7,830)        | 9,400 - 10,000<br>(1,360 - 1,450) | 135<br>(19,580)          | 89<br>(12,900)        | 91±3                | 0.270       | -35 to +230 kurz 250<br>(-31 to +446 briefly to +482)         | +97 °C* (+206,6 °F)  | approx. +50 °C  | +107 °C                            |
| WEICON SF                    | 37<br>(5,350)        | 3,500 - 4,500<br>(510 - 650)      | 52<br>(7,540)            | 41<br>(5,950)         | 82 ±3               | 0.820       | -35 to +90 (-31 to +194)                                      | +40 °C (104 °F)  | approx. +41 °C  | -                                  |
| WEICON ST                    | 48<br>(6,960)        | 7,300 - 7,900<br>(1,060 - 1,150)  | 96<br>(13,900)           | 38<br>(5,500)         | 85 ±3               | 0.140       | -35 to +120 (-31 to +248)                                     | +50 °C (+122 °F)   | approx. +48 °C  | +94 °C                             |
| WEICON HP                    | 31<br>(4,500)        | 1,800 - 2,000<br>(260 - 290)      | 65<br>(9,430)            | 50<br>(7,250)         | 75 ±3               | 0.120       | -35 to +160 (-31 to +320)                                     | +65 °C (+149 °F)   | approx. +64 °C  | +87 °C                             |
| WEICON TI                    | 53<br>(7,690)        | 6,200 - 6,800<br>(900 - 990)      | 66<br>(9,570)            | 10<br>(1,450)         | 83 ±3               | 0.090       | -35 to +200 briefly to +260*<br>(-31 to +392 briefly to +500) | +150 °C* (+302 °F)   | approx. +52 °C  | +148 °C                            |
| WEICON UW                    | 31<br>(4,500)        | 1,800 - 2,000<br>(260 - 290)      | 65<br>(9,430)            | 50<br>(7,250)         | 75 ±3               | 0.120       | -35 to +160 (-31 to +320)                                     | +65 °C (+149 °F)   | approx. +64 °C  | +87 °C                             |
| WEICON WL                    | 35<br>(5,100)        | 2,400 - 2,700<br>(350 - 390)      | 67<br>(9,720)            | 39<br>(5,660)         | 80±3                | 0.04        | -35 to +120 (-31 to +248)                                     | +44 °C (+111 °F)   | approx. 45 °C   | approx. 45 °C                      |
| WEICON WP                    | 23<br>(3,340)        | 2,500 - 2,900<br>(360 - 420)      | 51<br>(7,400)            | 35<br>(5,100)         | 75 ±3               | 0.110       | -35 to +120 (-31 to +248)                                     | +65 °C (+149 °F)   | approx. +64 °C  | +87 °C                             |
| WEICON WR                    | 46<br>(6,670)        | 4,900 - 5,300<br>(710 - 770)      | 100<br>(14,500)          | 85<br>(12,350)        | 83 ±3               | 0.060       | -35 to +120 (-31 to +248)                                     | +48 °C (+118 °F)   | approx. +48 °C  | +60 °C                             |
| WEICON WR2                   | 63<br>(9,140)        | 8,000 - 8,500<br>(1,160 - 1,230)  | 115<br>(16,680)          | 96<br>(13,900)        | 87 ±3               | 0.040       | -35 to +120 (-31 to +248)                                     | +80 °C (+176 °F)   | approx. +52 °C  | +80 °C                             |
| WEICON Casting Resin MS 1000 | 56<br>(8,120)        | 2,500 - 2,600<br>(360 - 380)      | 92<br>(13,340)           | 90<br>(13,050)        | 81 ±3               | 0.010       | -35 to +120 (-31 to +248)                                     | +52 °C (+126 °F)   | approx. +47 °C  | -                                  |
| WEICON Casting Resin Plus 90 | 33<br>(4,800)        | 1000-1200<br>(145-175)            | 30<br>(4,300)            | 21<br>(3,050)         | 73 ±3               | 0.350       | -35 to +120 (-31 to +248)                                     | +29 °C (+84 °F)  | -   | -                                  |
| WEICON Food Grade            | 46<br>(6,670)        | 5,300 - 5,700<br>(770 - 825)      | 95<br>(13,780)           | 71<br>(10,300)        | 86 ±3               | 0.280       | -35 to +120 (-31 to +248)                                     | +65 °C (+149 °F)   | +52 °C  | +69 °C                             |
| WEICON Fire Safe             | 32<br>(4,640)        | 2,400 - 2,600<br>(350 - 380)      | 110<br>(15,950)          | 52<br>(7,540)         | 78 ±3               | 0.310       | -35 to +120 (-31 to +248)                                     | +79 °C (+174,2 °F)   | approx. +50 °C  | +90 °C                             |
| WEICON Anti-Static           | 39<br>(5,660)        | 2,200 - 2,500<br>(320 - 360)      | 52<br>(7,540)            | 48<br>(6,960)         | 83 ±3               | 0.090       | -35 to +120 (-31 to +248)                                     | +39 °C (+102,2 °F)   | +49 °C  | +63 °C                             |
| WEICON Anti-Stick            | 54<br>(7,830)        | 4,500 - 5,000<br>(650 - 725)      | 118<br>(17,110)          | 76<br>(11,020)        | 87 ±3               | 0.220       | -35 to +120 (-31 to +248)                                     | +65 °C (+149 °F)   | +56 °C  | +60 °C                             |

\* after tempering (for more information, see technical datasheet)

## WEICON PLASTIC METAL CONSUMPTION

|  | WEICON A | WEICON B | WEICON BR | WEICON C | WEICON F | WEICON F2 | WEICON HB 300 | WEICON Ceramic BL | WEICON Ceramic HC 220 | WEICON HT 111 | WEICON GL | WEICON GL-S | WEICON Ceramic W | WEICON SF | WEICON ST | WEICON HP | WEICON TI | WEICON UW | WEICON WL | WEICON WP | WEICON WR | WEICON WR2 | WEICON Epoxy Resin Putty | WEICON Resin MS 1000 | WEICON Resin Plus 90 | WEICON CBC | WEICON Food Grade | WEICON Fire Safe | WEICON Anti-Static | WEICON Anti-Stick |
|--|----------|----------|-----------|----------|----------|-----------|---------------|-------------------|-----------------------|---------------|-----------|-------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|--------------------------|----------------------|----------------------|------------|-------------------|------------------|--------------------|-------------------|
| Consumption (Kilogram per m <sup>2</sup> )<br>1.0 mm application thickness | 2.6      | 2.5      | 1.8       | 1.6      | 1.9      | 1.6       | 2.5           | 1.9               | 1.8                   | 2.5           | 1.3       | 1.9         | 1.9              | 1.8       | 1.7       | 1.5       | 1.6       | 1.5       | 1.7       | 2.2       | 2.4       | 1.9        | 2.0                      | 1.2                  | 1.1                  | 1.6        | 1.7               | 1.6              | 1.5                | 1.5               |

## WEICON CBC Chocking Backing Compound

**Certified by ABS | vibration-resistant | impact-resistant**

WEICON CBC is suitable for the shimming and backfilling of systems difficult to align in the industrial and maritime sector. The "ABS Product Design Assessment" certified system serves as a replacement for fittings and worn metal sheets, like steel or other materials, and ensures the direct contact to foundation plates.

The special epoxy resin system has a low viscosity, is very flowable and self-levelling. It has a pot life of 30 minutes and cures nearly shrink-free. It provides a permanent high-static stability and has a high resistance to ageing. The epoxy resin system adheres particularly well to steel and concrete. It has a good compressive strength and is resistant to oils, fuels and many chemicals. It is vibration-resistant as well as temperature-resistant.

Due to almost no cure shrinkage, machines and systems keep their specific alignment after the casting of WEICON CBC.

- ▶ 0,5 kg      ▶ 3,0 kg (2,0 l)      ▶ 10,0 kg (6,6 l)
- 10064790**      **10045020**      **10045019**



**WEICON®**

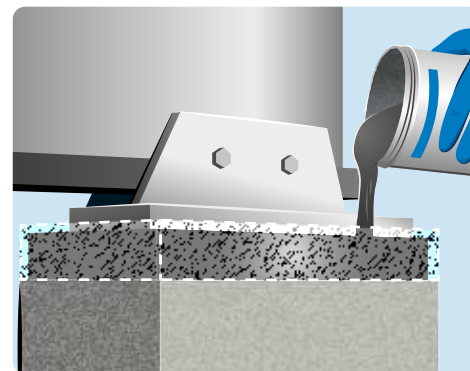
European Exhibition Award  
for creativity and innovation





## Epoxy Resin Systems

# WEICON CBC



### Technical Data

|   |   |                |
|---|---|----------------|
| Base:   | epoxy   |                |
| Filler:   | aluminium                                       |                |
| Texture:  | flowable  |                |
| Specific properties:  | liquid, impact-resistant                        |                |
| Mixing ratio by weight % (Resin/Hardener):                  | 100 : 21  |                |
| Pot Life at +20°C, 500 g batch:                             | 45 min.   |                |
| Density of the mixture:                                     | 1.6 g/cm <sup>3</sup>                           |                |
| Viscosity of the mixture at +25°C:                          | 32,000 mPa·s                                    |                |
| Processing temperature:                                     | +15°C to +40°C                                  |                |
| Can be exposed to mechanical stresses (80% strength) after: | 12 h  |                |
| Final strength (100% strength) after:                       | 24 h  |                |
| Mean compressive strength (DIN EN ISO 604):                 | 80 MPa  |                |
| Strength-E-Module (DIN EN ISO 527):                         | 3,800-4,700 MPa                                 |                |
| Elongation at break (DIN EN ISO 527):                       | 2.3 %   |                |
| Impact strength (ISO 179-1/1eU):                            | 10-15 kJ/m <sup>2</sup>                         |                |
| Shore D (DIN ISO 7619):                                     | 84±3 Shore D                                    |                |
| Shrinkage:  | 0.06 %  |                |
| Colour after curing:  | grey  |                |
| Temperature resistance:                                     | -40 °C to +160 °C<br>(briefly up to 180 °C)     |                |
| Glass transition temperature                                | T <sub>g</sub> after curing at room temperature | approx. +50 °C |
|   | T <sub>g</sub> after tempering at 120 °C        | +75 °C         |

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other





### Applications

- ▶ pipe repairs
- ▶ structural reinforcement
- ▶ repairs in spaces difficult to access

VIDEO



### WEICON Pipe Repair-Kit

The set is designed for the emergency repair of defective and damaged pipes and pipelines. It comprises one WEICON Repair Stick Multi, a special repair tape made of fibreglass-reinforced plastic, assembly instructions and a pair of protective gloves. The repair tape is impregnated with a special resin and activated by contact with water.

The Pipe Repair-Kit can be processed without any additional tools and is used for the reliable and permanent sealing of cracks and leaks. It is very easy and quick to use and shows excellent adhesive properties, high pressure and chemical resistance as well as temperature resistance up to 150°C.

Within 30 minutes, the tape is fully cured and hard-wearing. Due to the fabric properties of the tape, the resulting high flexibility and the simple processing, the repair kit is particularly suitable for sealing leaks in bends, T-pieces or in spaces difficult to access.

It can be used on many different surfaces such as stainless steel, aluminium, copper, PVC, many plastics, fibreglass, concrete, ceramics and rubber.

The Repair-Kit can be used in various areas of industry for the quick and easy repair of chemical, steam, process and water pipes.



|  |  |  |  |
|--|--|--|--|
| <b>5/15</b><br>▶ 5 cm x 1.5 m<br>10055737<br>white | <b>5/35</b><br>▶ 5 cm x 3.5 m<br>10055738<br>white | <b>10/35</b><br>▶ 10 cm x 3.5 m<br>10055740<br>white | <b>12/100</b><br>▶ 12 cm x 10 m<br>10057026<br>white |
| <b>5/15</b><br>▶ 5 cm x 1.5 m<br>10067737<br>black | <b>5/35</b><br>▶ 5 cm x 3.5 m<br>10067741<br>black | <b>10/35</b><br>▶ 10 cm x 3.5 m<br>10067743<br>black |  |

### The set includes

- WEICON Repair Stick Multi-Purpose fibreglass-reinforced plastic repair tape
- assembly instructions
- protective gloves



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other





# Repair-Kits

## WEICON Pool Repair-Kit **NEW**

Cures reliably even under water | application on wet surfaces | excellent adhesion

The WEICON Pool Repair-Kit is especially suitable for quick repair work under water. Its excellent adhesive strength enables application on wet surfaces. Thanks to the rapid curing process, it is perfect for repair work on tiles, mosaic tiles, etc.

► 0.2 kg  
10102149



Repair of mosaic tiles



### The set includes

- 2-component adhesive (resin & hardener)
- processing spatula
- instructions for use
- application gloves



## Technical Data

|   |                                  |
|---|----------------------------------|
| Base  | epoxy                            |
| Filler                                      | mineral                          |
| Texture                                     | pasty                            |
| Colour                                      | white                            |
| Processing temperature                      | +15 °C to +40 °C                 |
| Component temperature                       | >3 °C (+37,4 °F) above dew point |
| Mixing ratio by weight                      | 100:83                           |
| Mixing ratio by volume                      | 100:95                           |
| Viscosity of the mixture at +25 °C (+77 °F) | 550,000 mPa·s                    |
| Density of the mixture                      | 1.5 g/cm <sup>3</sup>            |
| Consumption layer thickness 1.0 mm          | 1.5 kg/m <sup>2</sup>            |
| Max. layer thickness per step               | 10 mm                            |

|   |                                     |
|---|-------------------------------------|
| Pot life at 20 °C (+68 °F), 500 g batch | 30 min.                             |
| Additional layer after (35 % strength)  | 7 h                                 |
| Working strength after (80 % strength)  | 12 h                                |
| Final strength (100 % strength)         | 36 h                                |
| Shrinkage                               | 0,12 %                              |
| Temperature resistance                  | -35 °C (-4 °F) to +160 °C (+248 °F) |

| Mechanical properties after curing             |                     |
|--|---------------------|
| - Measured after curing at                     | 24 h RT + 4 h 60 °C |
| Tensile strength DIN EN ISO 527-2              | 31 MPa              |
| Elongation at break (tensile) DIN EN ISO 527-2 | 9.0 %               |
| Hardness (Shore D) DIN ISO 7619                | 75±3                |

| Bond          | Use         | Pool Repair-Kit        |
|---------------|-------------|------------------------|
| above water → | above water | 23.8 N/mm <sup>2</sup> |
| above water → | under water | 20.5 N/mm <sup>2</sup> |
| under water → | under water | 15.3 N/mm <sup>2</sup> |

Adhesive bonding following the DIN EN 1465 standard on V2A steel, sand-blasted, after storage for 7 days at 20 °C.

Ideal water temperature for application: +20 °C (+68 °F) to +40 °C (+104 °F)

**Marine Emergency Repair Kits**

For emergency repairs and maintenance works on board of ships, we developed three different Repair Kits. WEICON Marine Emergency Repair Kits are equipped with many different products that support you in various cases. The kits cover most cases of offshore emergency repairs and maintenance works during long passages. The Repair Kits differ in the range of included products. Repair Kit 1 covers the most common emergency and maintenance cases. Kit 3 covers many different applications on board. The Repair Kits are suitable for all ships, where repairs and maintenance have to be carried out frequently.



As a service for our customers, WEICON provides the Marine Emergency Repair Kits with all necessary dangerous goods declarations.



**Kit 2**

- ▶ WEICON   ▶ IMPA   ▶ ISSA
- 10045343   81 29 08   84.025.02

|                      |          | WEICON   | IMPA     | ISSA      | Quantity |   |   |   |   |   |   |
|----------------------|----------|----------|----------|-----------|----------|---|---|---|---|---|---|
| WEICON A             | ▶ 0.5 kg | 10000003 | 81 29 01 | 75.509.01 | 2        | • |   |   |   | • |   |
| WEICON HB 300        | ▶ 1.0 kg | 10000099 | 81 29 51 | 75.509.21 | 1        |   |   |   |   | • | • |
| WEICON SF            | ▶ 0.5 kg | 10000071 | 81 29 31 | 75.509.13 | 2        | • |   |   |   | • |   |
| WEICON UW            | ▶ 0.5 kg | 10000933 | 81 29 35 | 75.509.24 | 2        |   |   |   |   |   |   |
| Repair Stick Aqua    | ▶ 115 g  | 10006608 | 81 29 24 | 75.530.03 | 3        |   |   |   |   | • |   |
| Repair Stick Steel   | ▶ 115 g  | 10007705 | 81 29 26 | 75.530.01 | 3        |   |   |   |   | • | • |
| Pipe Repair-Kit 5/15 | ▶ ---    | 10055737 | ---      | 84.025.17 | 2        |   |   |   |   | • |   |
| AN 302-43            | ▶ 50 ml  | 10017876 | 81 29 13 | 75.628.04 | 1        |   | • | • |   | • |   |
| AN 302-60            | ▶ 50 ml  | 10017878 | 81 52 05 | 75.628.32 | 1        |   | • |   |   |   |   |
| VA 8312              | ▶ 30 g   | 10016432 | 81 52 42 | 75.629.05 | 1        |   |   |   | • |   |   |
| VM 120               | ▶ 30 g   | 10019859 | ---      | ---       | 1        |   |   |   |   |   |   |
| GMK 2410             | ▶ 700 g  | 10028906 | 81 52 38 | 84.025.09 | 1        |   |   |   |   |   |   |
| Black-Seal           | ▶ 200 ml | 10000763 | 81 52 85 | 75.634.25 | 1        |   |   |   |   |   |   |
| Cleaner Spray S      | ▶ 500 ml | 10000147 | 45 08 01 | 53.402.01 | 2        |   |   |   |   |   |   |
| W 44 T               | ▶ 400 ml | 10001023 | 45 08 21 | 53.402.11 | 1        |   |   |   |   |   |   |
| Rust Shock           | ▶ 400 ml | 10000143 | 45 08 22 | 53.402.10 | 1        |   |   |   |   |   |   |
| Starter Spray        | ▶ 400 ml | 10030465 | ---      | ---       | 1        |   |   |   |   |   |   |
| Contact Spray        | ▶ 400 ml | 10026740 | 45 08 43 | 53.402.28 | 1        |   |   |   |   |   |   |
| Processing Kit       | ▶ ---    | 10045523 | 81 29 88 | ---       | 1        |   |   |   |   |   |   |
| Repair-Tape 5/35     | ▶ ---    | 10055742 | ---      | ---       | 1        |   |   |   |   |   |   |
| Repair-Tape 10/35    | ▶ ---    | 10055743 | ---      | ---       | 1        |   |   |   |   |   |   |



# Emergency Repair Kits

## Kit 1

▶ WEICON ▶ IMPA ▶ ISSA  
 10045342 81 29 07 84.025.01

|                      |          | WEICON   | IMPA     | ISSA      | Quantity |   |   |   |
|----------------------|----------|----------|----------|-----------|----------|---|---|---|
| WEICON A             | ▶ 0.5 kg | 10000003 | 81 29 01 | 75.509.01 | 2        | • |   | • |
| WEICON SF            | ▶ 0.5 kg | 10000071 | 81 29 31 | 75.509.13 | 2        | • |   | • |
| WEICON UW            | ▶ 0.5 kg | 10000933 | 81 29 35 | 75.509.24 | 2        |   |   |   |
| Repair Stick Aqua    | ▶ 115 g  | 10006608 | 81 29 24 | 75.530.03 | 2        |   |   | • |
| Repair Stick Steel   | ▶ 115 g  | 10007705 | 81 29 26 | 75.530.01 | 2        |   | • | • |
| Pipe Repair-Kit 5/15 | ▶ ---    | 10055737 | ---      | 84.025.17 | 1        |   | • |   |
| Processing Kit       | ▶ ---    | 10045523 | 81 29 88 | ---       | 1        |   |   |   |
| Repair-Tape 5/35     | ▶ ---    | 10055742 | ---      | ---       | 1        |   |   |   |
| Repair-Tape 10/35    | ▶ ---    | 10055743 | ---      | ---       | 1        |   |   |   |

## Processing Kit

▶ WEICON ▶ IMPA  
 10045523 81 29 88



Glass Fibre Cloth Tape, Processing Spatula, Processing Can, Gloves, Wire Mesh, Butyl Tape, Brush, Cutter

## Kit 3

▶ WEICON ▶ IMPA ▶ ISSA  
 10045344 81 29 09 84.025.03

|                              |          | WEICON   | IMPA     | ISSA      | Quantity |   |   |   |   |   |   |   |   |  |   |
|------------------------------|----------|----------|----------|-----------|----------|---|---|---|---|---|---|---|---|--|---|
| WEICON A                     | ▶ 0.5 kg | 10000003 | 81 29 01 | 75.509.01 | 2        | • |   |   |   |   |   |   |   |  | • |
| WEICON BR                    | ▶ 0.5 kg | 10012669 | 81 29 10 | 75.509.05 | 1        |   |   |   |   |   |   |   |   |  | • |
| WEICON HB 300                | ▶ 1.0 kg | 10000099 | 81 29 51 | 75.509.21 | 1        |   |   |   |   |   |   |   |   |  | • |
| WEICON Ceramic BL            | ▶ 0.5 kg | 10000093 | 81 29 37 | 75.509.19 | 1        | • |   |   | • |   |   |   |   |  | • |
| WEICON SF                    | ▶ 0.5 kg | 10000071 | 81 29 31 | 75.509.13 | 2        | • |   |   |   |   |   |   |   |  | • |
| WEICON UW                    | ▶ 0.5 kg | 10000933 | 81 29 35 | 75.509.24 | 2        |   |   |   |   |   |   |   |   |  |   |
| WEICON WR                    | ▶ 0.5 kg | 10000077 | 81 29 47 | 75.509.15 | 1        |   |   |   |   |   |   |   |   |  | • |
| Repair Stick Aqua            | ▶ 115 g  | 10006608 | 81 29 24 | 75.530.03 | 4        |   |   |   |   |   |   |   |   |  | • |
| Repair Stick Steel           | ▶ 115 g  | 10007705 | 81 29 26 | 75.530.01 | 4        |   |   |   | • |   |   |   |   |  | • |
| Pipe Repair-Kit 5/15         | ▶ ---    | 10055737 | ---      | 84.025.17 | 3        |   |   |   | • |   |   |   |   |  |   |
| Urethane 80                  | ▶ 0.5 kg | 10012368 | 81 29 63 | 75.509.42 | 1        |   |   |   |   |   |   |   |   |  |   |
| AN 302-43                    | ▶ 50 ml  | 10017876 | 81 29 13 | 75.628.04 | 1        |   | • | • |   | • |   |   |   |  |   |
| AN 302-60                    | ▶ 50 ml  | 10017878 | 81 52 05 | 75.628.32 | 1        |   | • |   |   |   |   |   |   |  |   |
| AN 305-77                    | ▶ 50 ml  | 10019949 | 81 52 14 | 75.628.13 | 1        |   | • | • |   | • | • | • | • |  |   |
| AN 306-38                    | ▶ 50 ml  | 10017888 | 81 52 23 | 75.628.19 | 1        |   | • |   |   |   |   |   |   |  |   |
| Thread Sealing Cord DF 175   | ▶ ---    | 10026655 | ---      | 75.628.40 | 1        |   |   | • |   | • | • | • | • |  |   |
| Plast-o-Seal                 | ▶ 90 g   | 10014387 | 81 52 31 | 75.628.41 | 1        |   |   |   |   |   |   |   |   |  |   |
| VA 8312                      | ▶ 30 g   | 10016432 | 81 52 42 | 75.629.05 | 1        |   |   |   | • |   |   |   |   |  |   |
| VM 120                       | ▶ 30 g   | 10019859 | ---      | ---       | 1        |   |   |   |   |   |   |   |   |  |   |
| GMK 2410                     | ▶ 700 g  | 10028906 | 81 52 38 | 84.025.09 | 1        |   |   |   |   |   |   |   |   |  |   |
| Black-Seal                   | ▶ 200 ml | 10000763 | 81 52 85 | 75.634.25 | 1        |   |   |   |   |   |   |   |   |  |   |
| Cleaner Spray S              | ▶ 500 ml | 10000147 | 45 08 01 | 53.402.01 | 2        |   |   |   |   |   |   |   |   |  |   |
| Sealant and Adhesive Remover | ▶ 400 ml | 10026705 | 45 08 02 | 53.402.02 | 1        |   |   |   |   |   |   |   |   |  |   |
| W 44 T®                      | ▶ 400 ml | 10001023 | 45 08 21 | 53.402.11 | 1        |   |   |   |   |   |   |   |   |  |   |
| Rust-Shock                   | ▶ 400 ml | 10000143 | 45 08 22 | 53.402.10 | 1        |   |   |   |   |   |   |   |   |  |   |
| Mould Release Agent          | ▶ 400 ml | 10000154 | ---      | ---       | 1        |   |   |   |   |   |   |   |   |  |   |
| Starter Spray                | ▶ 400 ml | 10030465 | ---      | ---       | 1        |   |   |   |   |   |   |   |   |  |   |
| Contact Spray                | ▶ 400 ml | 10026740 | 45 08 43 | 53.402.28 | 1        |   |   |   |   |   |   |   |   |  |   |
| AS 500                       | ▶ 500 g  | 10028921 | 45 08 46 | ---       | 1        |   |   |   |   |   |   |   |   |  |   |
| Processing Kit               | ▶ ---    | 10045523 | 81 29 88 | ---       | 1        |   |   |   |   |   |   |   |   |  |   |
| Repair-Tape 5/35             | ▶ ---    | 10055742 | ---      | ---       | 1        |   |   |   |   |   |   |   |   |  |   |
| Repair-Tape 10/35            | ▶ ---    | 10055743 | ---      | ---       | 1        |   |   |   |   |   |   |   |   |  |   |

\*BAM tested and safety-related evaluated- see also leaflet M 034e "Oxygen" (DGV information 213-074) of BG RCI.



The easy solution for all repair and maintenance work.



- ▶ even for small repairs
- ▶ the cured product can be machined (drilled, filed, tapped)

Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other

**Repair Stick Steel**



**Fast-curing | steel-filled | drinking water approval | paintable**

It is particularly suited for the fast and high strength repair and bonding of metal parts and for the patching and sealing of cracks, holes, and leaks in machine parts, tanks and pipelines, containers, pumps and housings, balcony railings, banisters, and torn-out threads. The WEICON Repair Stick Steel can be used in machine and system construction, in tank construction and apparatus engineering, in the foods, cosmetic and pharmaceutical industries and many other applications.

- ▶ 57 g      ▶ 115 g
- 10010241    10007705

**Repair Stick Aqua**



**For underwater applications | ceramic-filled | paintable**

Ideal for quick repairs on damp and wet surfaces and for underwater applications.

For the repair and sealing of cracks, holes, and leaks in petrol and water tanks, radiators, electrical switchboards, sanitary installations and swimming pools. The WEICON Repair Stick Aqua can be used in sanitary and heating system construction, electrical equipment, the maritime sector and many additional industrial applications.

- ▶ 57 g      ▶ 115 g
- 10008519    10006608





Epoxy Resin Systems

# Repair Sticks

## Repair Stick Titanium

**Wear-resistant | titanium-filled | high-temperature-resistant up to +230°C (+446°F) (briefly up to +260°C/+500°F) | paintable**

It is suited for the permanent and wear-resistant repair and bonding of metal parts such as tanks and pipelines, aluminium, light metal and injection moulded parts, shafts and slide bearings, pumps and housings and torn-out threads.

The WEICON Repair Stick Titanium can be used in machine and system construction, tank construction and apparatus engineering, and many other industrial applications.

► 57 g    ► 115 g  
10011973    10011970



## Repair Stick Stainless Steel



Certified to  
NSF/ANSI/CAN 61

**Non-corrosive | fast-curing | stainless steel-filled | drinking water approval | paintable**

For non-corrosive repair and reconditioning of stainless steel and other rustproof metals, such as those in tanks and containers, filling and packing machines, pipes, lines, pumps and housings.

Due to the quick mechanical loading capacity of the mended parts (approx. 60 minutes), expensive and longer downtimes are avoided. The WEICON Repair Stick Stainless Steel can be used in tank construction and apparatus engineering, in the foods, cosmetic and pharmaceutical industries and many other applications.

► 57 g    ► 115 g  
10025658    10025663



Repair of a pump  
Repair Stick Steel

Pipe sealing on a water tank  
Repair Stick Multi-Purpose



**Repair Stick Wood**

**Residual elasticity | mineral-filled | paintable**

For permanent repairs of wooden parts with residual elasticity and without shrinkage. For the repair of cracks and bore holes, broken out or broken off wooden parts and for the sealing of joints on windows and door frames, veneers, boards and planks, models and wooden toys.

WEICON Repair Stick Wood can be used in the wood and furniture industry, in model building and many other applications.

- ▶ 28 g      ▶ 56 g
- 10010237    10007717



**WEICON Repair Stick Wood**

A special item in the product range is the Repair Stick Wood. It was developed for carrying out repairs on furniture, shelving, etc. To enable a "seamless" repair, it has the same density as wood.

After curing, it can be processed like wood. In the test shown below, the WEICON Repair Stick floats on the surface like wood, while competitive products sink to the bottom due to their high density.



**Repair Stick Plastic**

**Plastic-filled | drinking water approval | paintable**

Especially for the permanent repair of plastic components and composite materials with residual elasticity such as window and door frames, panelling and bumper bars.

For the bonding of metal parts such as pipes and pipe bends, fittings and flanges, water tanks, pumps and housings.

- ▶ 57 g      ▶ 115 g
- 10017301    10017334



**Repair Stick Multi-Purpose**

**Fast-curing | mineral-filled | drinking water approval | paintable**

The all-round product for quick, elastic and non-shrink repairs and touch-ups on nearly all surfaces. Repair Stick Multi fills and seals cracks, holes, damages and leaks. It can be used on metal, wood, stone, ceramics, plastic and many other materials.

Due to its versatile use, WEICON Repair Stick Multi is suitable for industrial applications as well as for skilled trades or DIY projects.

- ▶ 57 g      ▶ 115 g
- 10053992    10053995



VIDEO



Sealing of a copper tube  
Repair Stick Copper



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other



# Repair Sticks



Certified to NSF/ANSI/CAN 61

## Repair Stick Copper

**Extremely fast-curing | copper-filled | drinking water approval | paintable**

The WEICON Repair Stick Copper is suited for the very quick repair (processing time: 3 min.) of cracks and leaks even on damp and wet surfaces such as pipes, pipe bends, fittings, flanges, copper gutters, sheets, water heaters, water tanks, hot, cold water lines, freezer and air conditioning systems.

The WEICON Repair Stick Copper can be used in tank construction and apparatus engineering, in the foods, cosmetic and pharmaceutical industries and many other applications.

- ▶ 57 g      ▶ 115 g
- 10010227    10006609



## Repair Stick Concrete

**Fast-curing | ceramic-filled | paintable**

Especially for quick repair and reconditioning of all concrete, stone and ceramic surfaces.

Fills and seals cracks and defects on masonry, stone, concrete and ceramic tiles and on bricks, borders, kerbstones, statues, tombstones and ornaments. It can also be used for the reinforcement of pegs, screws and anchors in outdoor and indoor areas. The WEICON Repair Stick Concrete can be used in the construction industry, in gardening and landscaping, and many other applications.

- ▶ 57 g      ▶ 115 g
- 10025685    10025687



## Repair Stick Aluminium

**Non-rusting | fast-curing | aluminium-filled | paintable**

For the quick and non-rusting repair and bonding of metal parts. For the repair of cracks, holes and leaks in car bodies, gearboxes and tanks, window frames and profiles, and boats and models.

The WEICON Repair Stick Aluminium can be used in machine and system construction, in the automotive industry, in gear construction, window construction, model building and many other applications.

- ▶ 57 g      ▶ 115 g
- 10010246    10007711

## Type selection table

|  | Aluminium | Aqua | Concrete | Stainless Steel | Wood | Plastic | Copper | Steel | Titanium | Multi-Purpose |
|--|-----------|------|----------|-----------------|------|---------|--------|-------|----------|---------------|
| Metals (e.g. aluminium, cast iron, brass, stainless steel) | ++        | ++   | +        | ++              | +    | +       | ++     | ++    | ++       | ++            |
| Hard plastics* (e.g. epoxy resin, rigid PVC)               | +         | ++   | +        | +               | +    | ++      | +      | +     | +        | ++            |
| Fibre-reinforced materials (e.g. GFRP, CFRP, fibreglass)   | +         | +    | +        | +               | +    | ++      | +      | +     | +        | +             |
| Wood (e.g. oak, beech, spruce, balsa)                      | +         | +    | +        | +               | ++   | +       | +      | +     | +        | +             |
| Derived timber products (e.g. plywood, MDF)                | +         | +    | +        | +               | ++   | +       | +      | +     | +        | +             |
| Glass, ceramics  | +         | ++   | +        | +               | +    | +       | +      | +     | +        | ++            |
| Stone (e.g. marble, granite, brick, concrete)              | +         | ++   | ++       | +               | +    | +       | +      | +     | +        | ++            |
| Rubber / elastomers  | -         | -    | -        | -               | -    | -       | -      | -     | -        | -             |

Highly suitable (++)

Suitable (+)

Not suitable (-)

\*Except for plastics such as polyethylene, polypropylene, polyacetal, polytetrafluoroethylene and other fluorinated hydrocarbons with naturally adhesive-rejecting surfaces. When following the recommendations above, bonding of dissimilar material pairs such as metals and plastics is also possible.



## Technical Data

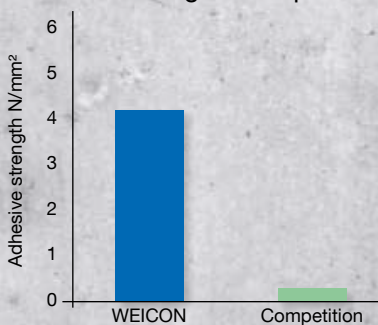
| WEICON Repair-Sticks in non-cured condition   |   |   |   |   |   |   |   |   |   |   |                         |
|---|---|---|---|---|---|---|---|---|---|---|-------------------------|
|   | Aluminium   | Aqua  | Concrete  | Stainless steel                                       | Wood  | Plastic   | Copper  | Steel   | Titanium  | Multi-Purpose   |                         |
| <b>NSF</b> <small>Certified to NSF/ANSI 61</small>  |   |   |   | ✓   |   | ✓   | ✓   | ✓   |   | ✓   |                         |
| <b>Base:</b>  | Epoxy resin aluminium fillers                                     | Epoxy resin ceramic fillers                           | Epoxy resin ceramic fillers                           | Epoxy resin stainless steel fillers                   | Epoxy resin mineral fillers                           | Epoxy resin plastic fillers                           | Epoxy resin copper fillers                            | Epoxy resin metal fillers                             | Epoxy resin titanium fillers                                | Epoxy resin mineral fillers                                 |                         |
| <b>Consistency:</b>   | modelling compound  | modelling compound                                    | modelling compound                                    | modelling compound                                    | modelling compound                                    | modelling compound                                    | modelling compound                                    | modelling compound                                    | modelling compound  | modelling compound  |                         |
| <b>Supplied in:</b>   | Stick   | Stick   | Stick   | Stick   | Stick   | Stick   | Stick   | Stick   | Stick   | Stick   |                         |
| <b>Contents:</b>  | 57 g / 115 g  | 57 g / 115 g  | 57 g / 115 g  | 57 g / 115 g  | 28 g / 56 g   | 57 g / 115 g  | 57 g / 115 g  | 57 g / 115 g  | 57 g / 115 g  | 57 g / 115 g  |                         |
| <b>Mixing proportion by volume resin / hardener (automatically):</b>  | 1 : 1   | 1 : 1   | 1 : 1   | 1 : 1   | 1 : 1   | 1 : 1   | 1 : 1   | 1 : 1   | 1 : 1   | 1 : 1   |                         |
| <b>Pot life with 10 g material and at +20°C (+68°F) (in minutes):</b>   | 6   | 25  | 5   | 5   | 15  | 15  | 3-4   | 5   | 90  | 4   |                         |
| <b>Density of the mixture (g/cm³):</b>  | 1.9   | 1.9   | 1.9   | 2.2   | 0.9   | 1.6   | 1.9   | 2.2   | 1.9   | 1.9   |                         |
| <b>Temperature °C (°F)</b>  | <b>Processing:</b> <sup>*1</sup>                                  | +15 to +40 (+59 to +104)                              | +15 to +40 (+59 to +104)                              | +15 to +40 (+59 to +104)                              | +15 to +40 (+59 to +104)                              | +15 to +40 (+59 to +104)                              | +15 to +40 (+59 to +104)                              | +15 to +40 (+59 to +104)                              | +15 to +40 (+59 to +104)                                    | +15 to +40 (+59 to +104)                                    |                         |
|   | <b>Curing:</b>  | +6 to +40 (+43 to +104)                               | +6 to +40 (+43 to +104)                               | +6 to +40 (+43 to +104)                               | +6 to +40 (+43 to +104)                               | +6 to +40 (+43 to +104)                               | +6 to +40 (+43 to +104)                               | +6 to +40 (+43 to +104)                               | +6 to +40 (+43 to +104)                                     | +6 to +65 (+43 to +149)                                     | +6 to +40 (+43 to +104) |
| <b>Colour after curing:</b>   | aluminium-grey  | white   | concrete-grey   | dark-grey   | beige   | white-blue  | copper  | dark-grey   | brown   | white   |                         |
| <b>Gap covering power to max.:</b> <sup>*2</sup>  | 15 mm   | 15 mm   | 15 mm   | 15 mm   | 15 mm   | 15 mm   | 15 mm   | 15 mm   | 15 mm   | 15 mm   |                         |
| <b>Curing time at +20°C (+68°F)</b>   | <b>Handling strength (35 % strength) after:</b>                   | 10 min.   | 30 min.   | 15 min.   | 10 min.   | 45 min.   | 40 min.   | 10 min.   | 10 min.   | 1 h   | 15 min.                 |
|   | <b>Capable of bearing mechanical loads (80 % strength) after:</b> | 60 min.   | 60 min.   | 60 min.   | 60 min.   | 60 min.   | 3 h   | 60 min.   | 60 min.   | 8 h   | 60 min.                 |
|   | <b>Final strength (100 % strength) after:</b>                     | 24 h  | 24 h  | 24 h  | 24 h  | 24 h  | 24 h  | 24 h  | 24 h  | 72 h (24 h at +65 °C/+149 °F)                               | 24 h                    |
| WEICON Repair Sticks in cured condition   |   |   |   |   |   |   |   |   |   |   |                         |
| <b>Pressure (DIN EN ISO 604) MPa (psi):</b>   | 55 (7,980)  | 55 (7,980)  | 55 (7,980)  | 55 (7,980)  | 55 (7,980)  | 55 (7,980)  | 55 (7,980)  | 55 (7,980)  | 55 (7,980)  | 55 (7,980)  |                         |
| <b>Shore hardness D:</b>  | 80±3  | 70±3  | 80±3  | 80±3  | 70±3  | 45±3  | 80±3  | 80±3  | 80±3  | 80±3  |                         |
| <b>Average tensile shear strength after 7 days at +20°C (+68°F) in accordance with DIN EN 1465 MPa (psi):</b> | Aluminium sandblasted   | Steel sandblasted                                     | Concrete  | Stainless steel sandblasted                           | Beech sanded  | PVC sanded  | Copper sandblasted                                    | Steel sandblasted                                     | Steel sandblasted   | Steel sandblasted   |                         |
|   | 4,2 (609)   | 6,2 (899)   | 4,8 (696)   | 3,9 (566)   | 6,2 (899)   | 2,4 (348)   | 4,8 (696)   | 4,1 (595)   | 7,5 (1,080)   | 6,5 (943)   |                         |
| <b>Temperature resistance °C (°F):</b>  | -50 to +120, briefly +150 (-58 to +248, briefly +302)             | -50 to +120, briefly +150 (-58 to +248, briefly +302) | -50 to +120, briefly +150 (-58 to +248, briefly +302) | -50 to +120, briefly +150 (-58 to +248, briefly +302) | -50 to +120, briefly +150 (-58 to +248, briefly +302) | -50 to +120, briefly +150 (-58 to +248, briefly +302) | -50 to +120, briefly +150 (-58 to +248, briefly +302) | -50 to +120, briefly +150 (-58 to +248, briefly +302) | -50 to +230, briefly to +260 (-58 to +446, briefly to +500) | -50 to +120, briefly to +150 (-58 to +248, briefly to +302) |                         |
| <b>Thermal conductivity (DIN EN ISO 22007-4):</b>   | 0.65 W/m·K  | 0.50 W/m·K  | 0.50 W/m·K  | 0.60 W/m·K  | 0.30 W/m·K  | 0.40 W/m·K  | 0.70 W/m·K  | 0.60 W/m·K  | 0.50 W/m·K  | 0.40 W/m·K  |                         |
| <b>Linear shrinkage:</b>  | < 1%  | < 1%  | < 1%  | < 1%  | < 1%  | < 1%  | < 1%  | < 1%  | < 1%  | < 1%  |                         |
| <b>Electrical resistance (DIN IEC93)</b>  | 5 · 10 <sup>11</sup> Ω·cm   | 5 · 10 <sup>11</sup> Ω·cm                             | 5 · 10 <sup>11</sup> Ω·cm                             | 5 · 10 <sup>11</sup> Ω·cm                             | 5 · 10 <sup>11</sup> Ω·cm                             | 5 · 10 <sup>11</sup> Ω·cm                             | 5 · 10 <sup>11</sup> Ω·cm                             | 5 · 10 <sup>11</sup> Ω·cm                             | 3 · 10 <sup>10</sup> Ω·cm                                   | 5 · 10 <sup>11</sup> Ω·cm                                   |                         |
| <b>Dielectric strength (ASTM D 149):</b>  | 3.0 kV/mm   | 3.0 kV/mm   | 3.0 kV/mm   | 3.0 kV/mm   | 3.0 kV/mm   | 3.0 kV/mm   | 3.0 kV/mm   | 3.0 kV/mm   | 11.8 kV/mm  | 3.0 kV/mm   |                         |
| <b>Thermal expansion coefficient (ISO 11359):</b>   | 30-40 · 10 <sup>-6</sup> 1/m·K                                    | 30-40 · 10 <sup>-6</sup> 1/m·K                        | 30-40 · 10 <sup>-6</sup> 1/m·K                        | 30-40 · 10 <sup>-6</sup> 1/m·K                        | 30-40 · 10 <sup>-6</sup> 1/m·K                        | 30-40 · 10 <sup>-6</sup> 1/m·K                        | 30-40 · 10 <sup>-6</sup> 1/m·K                        | 30-40 · 10 <sup>-6</sup> 1/m·K                        | 30-40 · 10 <sup>-6</sup> 1/m·K                              | 30-40 · 10 <sup>-6</sup> 1/m·K                              |                         |

\*1 For easier workability when ambient temperatures are low, the sticks should be warmed up to room temperature (20°C/+68°F) before application.  
\*2 Max. 15 mm per procedure

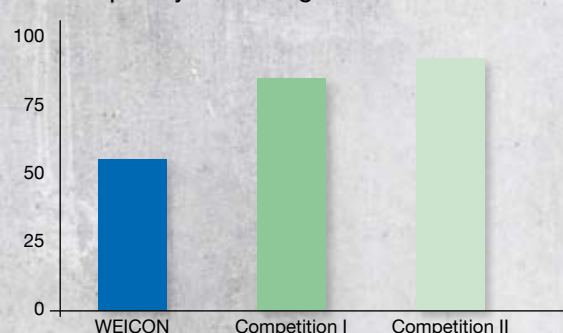
## Test Results

We have conducted a series of laboratory tests to compare sticks from various countries. Some of the test results are summarised in the tables shown below.

Adhesive strength of Repair Stick Aqua



Shore hardness D Repair Stick Plastic after completely hardening





# Epoxy Resin Systems

## Repair-Tape

### Repair-Tapes

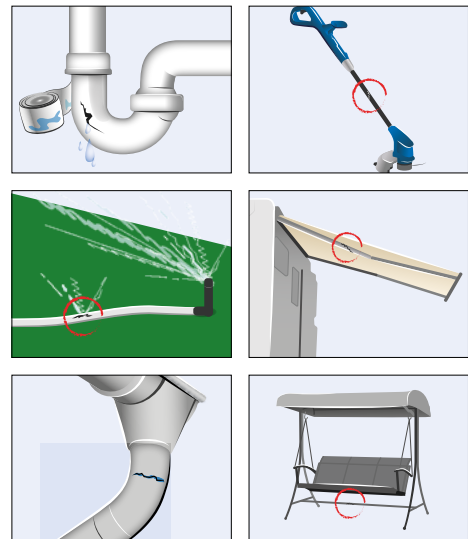
Flexible, durable and self-fusing repair tape made of fibreglass-reinforced plastic for fast emergency repairs in indoor or outdoor areas. The Repair-Tape is soaked with a special resin and is activated by contact with water.

It enables a very easy and fast application as well as very high adhesive strength on nearly all surfaces. After just 30 minutes, the tape is fully cured and hard-wearing. After curing, the tape can be sanded and painted.

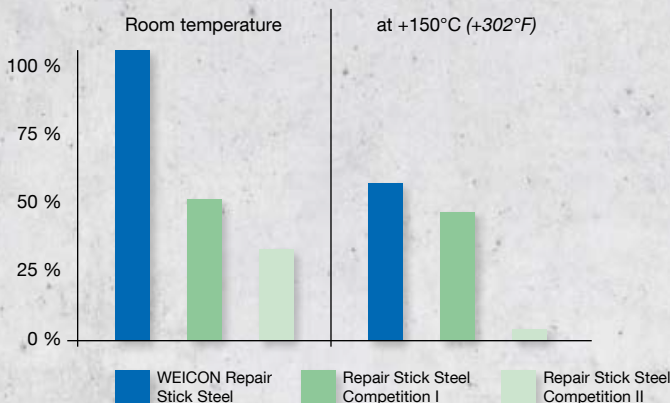
The tape can be applied without additional tools and is used for reliable and durable repairs in industrial applications, skilled trades, around the house, and in the camping and DIY sector.



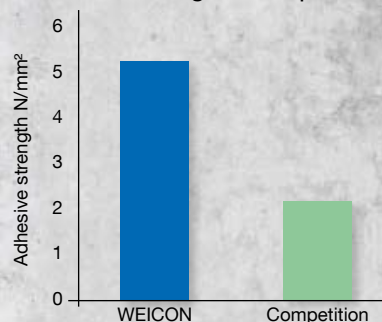
- ▶ 5 cm x 1.5 m  
10057453  
white
- ▶ 5 cm x 3.5 m  
10057454  
white
- ▶ 10 cm x 3.5 m  
10057455  
white
- ▶ 12 cm x 10 m  
10057459 **NEW**  
white
- ▶ 5 cm x 1.5 m  
10067707  
black
- ▶ 5 cm x 3.5 m  
10067709  
black
- ▶ 10 cm x 3.5 m  
10067711  
black



Tensile shear strength on steel



Adhesive strength of Repair Stick Steel





WEICON Epoxy Adhesives are cold-curing, solvent-free two-component systems with extremely strong bonding properties. They enable material bonds with high tensile and impact strength and are thus ideal for assembly, repairs and production.

In particular in cases of innovative constructions and bonds between different materials such as

- ▶ metals
- ▶ hard plastics
- ▶ fibre-reinforced materials (GFK, CFK, fibreglass etc.)
- ▶ ceramics
- ▶ glass, stone
- ▶ wood etc.

Today's requirements are ever more demanding (e.g. visually appealing joints along with very high strength). These materials are also often combined with each other, which leads to additional demands.

Here, the use of WEICON Epoxy Adhesives offers a number of advantages:

- ▶ when using WEICON Epoxy Adhesives, the surfaces of the materials are not altered as they are when e.g. soldering or welding is employed
- ▶ no stresses are caused in the materials, and there is no need to use additional fixing methods
- ▶ using thinner and lighter materials often enables simpler and more cost-effective constructions, which can result in considerable reductions both in weight and costs



**Epoxy Minute Adhesive**

*improved formula*

Viscous | self-levelling | fast-curing | very short pot life | transparent

▶ 24 ml  
10000133



**Fast-Metal Minute Adhesive**

*improved formula*

Highly filled | pasty | gap-filling | very short pot life | fast-curing

▶ 24 ml  
10007785



**Aluminium Minute Adhesive**

Aluminium-filled | gap-filling | fast-curing | high peel and impact strength

▶ 24 ml  
10051229

**Epoxy Minute Adhesive Set**

**Comprising:**

Epoxy Minute Adhesive, Wooden Spatula small, Mixing Nozzle Quadro, PE gloves

▶ Set  
10057686



**Fast-Metal Minute Adhesive Set**

**Comprising:**

Fast-Metal Minute Adhesive, 2 x Wooden Spatula small, PE gloves

▶ Set  
10058777



**Aluminium Minute Adhesive Set**

**Comprising:**

Aluminium Minute Adhesive, Wooden Spatula small, Mixing Nozzle Quadro, PE gloves

▶ Set  
10058776



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other



Information on the mixing and dosing system can be found **HERE**



Epoxy Resin Systems

# Epoxy Adhesives

## WEICON Easy-Mix Mixing and Dosing System

Thanks to the modern mixing and dosing system, all types can be cleanly and accurately dosed, mixed and applied automatically in just one step.

That way, a uniform quality and process safety is guaranteed in a production series. Product advantages:

- ▶ ready for use
- ▶ dosing, mixing and application in just one working step
- ▶ tedious mixing by hand is no longer necessary, so no mixing and dosing mistakes are possible
- ▶ speedy in application
- ▶ faster cycle times in series production possible
- ▶ economical in use, as minimal material wastage

### Quadro Mixing Nozzle A-System

10005236



### Helix Mixing Nozzle A-System

10026925



### Quadro Mixing Nozzle B-System

10029793



### Helix Mixing Nozzle B-System

10030395



### Hand Dispenser D50

Robust, fracture-resistant construction of fibreglassreinforced plastic (polyamide) with a metal trigger.

10005237



### Manual Dispenser **NEW**

easy to use | economical

Application aid for Easy-Mix products in 50 ml cartridge. Pusher for mixing ratios 1:1 and 2:1.

10101999



### Easy-Mix S 50

improved formula

Viscous | self-levelling | fast-curing | very short pot life | extremely high adhesive strength

- ▶ 50 ml
- 10005230

### Easy-Mix S 50 yellow

Visual casting compound | solvent-free | fast-curing | shock-resistant | impact-resistant | high adhesive strength

- ▶ 50 ml
- 10017543



### Easy-Mix HT 250

ABS

UL-TESTED

Very high temperature resistance up to +200 °C (+392 °F), briefly up to +250 °C (+482 °F) | high adhesion to metals | high thermal conductivity and high resistance to aggressive media and powder coatings

- ▶ 50 ml
- 10056568

### Easy-Mix N 50

High adhesive strength | highly viscous | self-levelling | long pot life

- ▶ 50 ml
- 10005231

### Easy-Mix N 5000

Almost colourless/transparent | liquid | self-levelling | short pot life

- ▶ 50 ml
- 10016374

### Easy-Mix HT 180

UL-TESTED

High temperature resistance | steady | shock- and impact resistant

- ▶ 50 ml
- 10044884

### Easy-Mix Metal

UL-TESTED

Ideal for bonding metal parts | highly viscous | fast-curing

- ▶ 50 ml
- 10018047

improved formula

The ideal adhesives for **POWDERCOATING** HT 180 and HT 250



## Technical Data

| WEICON Epoxy Adhesives in liquid condition                  |   |                                |                                 |                                  |                                    |  |  |   |  |  |
|---|---|--------------------------------|---------------------------------|----------------------------------|------------------------------------|--|--|---|--|--|
|   | Improved formula<br>Easy-Mix S 50                         | Easy-Mix S 50 yellow           | Easy-Mix N 50                   | Easy-Mix N 5000                  | Improved formula<br>Easy-Mix Metal | Easy-Mix HT 180  | Easy-Mix HT 250  | Improved formula<br>Epoxy Minute Adhesive | Aluminium Minute Adhesive                                    | Improved formula<br>Fast Metal Minute Adhesive |
| Base:   | epoxy resin unfilled                                      | epoxy resin unfilled           | epoxy resin unfilled            | epoxy resin unfilled             | epoxy resin high-filled            | epoxy resin mineral-filled                                   | epoxy resin  | epoxy resin unfilled                      | epoxy resin aluminium-filled                                 | epoxy resin high-filled                        |
| Consistency:  | viscous   | viscous                        | viscous                         | fluid                            | pasty, gap-filling                 | pasty, gap-filling   | viscous  | viscous                                   | pasty, gap-filling   | pasty, gap-filling                             |
| Supplied in:  | double cartridge  | double cartridge               | double cartridge                | double cartridge                 | double cartridge                   | double cartridge   | double cartridge   | double syringe                            | double syringe   | double syringe                                 |
| Content:  | 50 ml   | 50 ml                          | 50 ml                           | 50 ml                            | 50 ml                              | 50 ml  | 50 ml  | 24 ml                                     | 24 ml  | 24 ml  |
| Mixing proportion by volume resin/hardener (automatically): | 1 : 1   | 1 : 1                          | 1 : 1                           | 1 : 1                            | 1 : 1                              | 2 : 1  | 2 : 1  | 1 : 1                                     | 1 : 1  | 1 : 1  |
| Pot life with 10 ml material at +20°C (+68°F)               | 4 - 5   | 4 - 5                          | 45                              | 20                               | 4 - 5                              | 60   | 150  | 4 - 5                                     | 4 - 5  | 4 - 5  |
| Density of the mixture (g/cm <sup>3</sup> ):                | 1.20  | 1.20                           | 1.07                            | 1.07                             | 1.46                               | 1.10   | 2.10   | 1.20                                      | 1.23   | 1.46   |
| Viscosity of the mixture at +20°C (+68°F):                  | 5,000 mPa·s (cP)  | 8,500 mPa·s (cP)               | 7,500 mPa·s (cP)                | 5,000 mPa·s (cP)                 | 55,000 mPa·s (cP)                  | pasty  | 38,000 mPa·s (cP)  | 8,500 mPa·s (cP)                          | 125,000 mPa·s (cP)   | 55,000 mPa·s (cP)                              |
| Temperature   | Processing*1:   | +10 to +30 °C (+50 to +86 °F)  | +10 to +30 °C (+50 to +86 °F)   | +10 to +40 °C (+50 to +104 °F)   | +10 to +35 °C (+50 to +95 °F)      | +10 to +30 °C (+50 to +86 °F)                                | +10 to +40 °C (+50 to +104 °F)                               | +10 to +40 °C (+50 to +104 °F)            | +10 to +30 °C (+50 to +86 °F)                                | +10 to +30 °C (+50 to +86 °F)                  |
|   | Cure:   | +6 to +40 °C (+43 to +104 °F)  | +6 to +40 °C (+43 to +104 °F)   | +10 to +40 °C (+50 to +104 °F)   | +6 to +40 °C (+43 to +104 °F)      | +6 to +40 °C (+43 to +104 °F)                                | +10 to +40 °C (+50 to +104 °F)                               | +10 to +50 °C (+50 to +122 °F)            | +6 to +40 °C (+43 to +104 °F)                                | +6 to +40 °C (+43 to +104 °F)                  |
| Colour:   | transparent   | yellow                         | slightly yellow, clear          | almost colourless, crystal clear | grey                               | black  | grey   | transparent                               | aluminium  | grey   |
| Gap covering power to max.*2:                               | 2 mm  | 2 mm                           | 2 mm                            | 2 mm                             | 4 mm                               | 4 mm   | 4 mm   | 2 mm                                      | 4 mm   | 4 mm   |
| Cure time at +20°C (+68°F)                                  | Handling strength (35%) after:                            | 15 min.                        | 30 min.                         | 120 min.                         | 60 min.                            | 7 min.   | 120 min.   | 8 h                                       | 15 min.  | 25 min.  |
|   | Capable of bearing mechanical loads (60% strength) after: | 20 min.                        | 60 min.                         | 24 h                             | 3 h                                | 35 min.  | 4 h  | 14 h                                      | 20 min.  | 35 min.  |
|   | Final strength (100 %) after:                             | 24 h                           | 24 h                            | 72 h                             | 48 h                               | 24 h   | 24 h   | 24 h                                      | 24 h   | 24 h   |
| WEICON Epoxy Adhesives in fully-cured condition             |   |                                |                                 |                                  |                                    |  |  |   |  |  |
| Pressure MPa (psi) (DIN EN ISO 604):                        | 9 (1,300)   | 9 (1,300)                      | 90 (13,000)                     | 10 (1,500)                       | 58 (8,410)                         | 52 (7,540)   | 60 (8,700)   | 9 (1,300)                                 | 8 (1,200)  | 58 (8,410)                                     |
| Tensile MPa (psi) (DIN EN ISO 527-2):                       | 52 (7,540)  | 40 (5,800)                     | 35 (5,100)                      | 40 (5,800)                       | 32 (4,640)                         | 27 (3,910)   | 50 (7,200)   | 52 (7,540)                                | 34 (5,000)   | 32 (4,640)                                     |
| E-Modul DIN EN ISO 527-2 MPa (KSI)                          | 2,000 - 2,200 (300 - 400)                                 | 2,000 - 2,500 (300 - 400)      | 2,000 - 2,500 (300 - 400)       | 1,700 - 2,000 (200 - 300)        | 4,000 - 4,200 (600 - 700)          | 2,300 - 2,700 (330 - 390)                                    | 4,000 - 5,000 (600 - 730)                                    | 2,000 - 2,200 (300 - 400)                 | 4,000 - 4,500 (600 - 700)                                    | 4,000 - 4,200 (600 - 700)                      |
| Torsion MPa (psi) (DIN EN ISO 178):                         | 58 (8,400)  | 58 (8,400)                     | 50 (7,300)                      | 50 (7,300)                       | 58 (8,400)                         | 46 (6,670)   | 40 (5,800)   | 58 (8,400)                                | 58 (8,400)   | 58 (8,400)                                     |
| Shore hardness D (DIN ISO 7619):                            | 83  | 65                             | 55                              | 65                               | 82                                 | 80   | 90   | 83  | 45   | 82   |
| Average tensile shear strength as per DIN EN 1465 on:       | Steel, sand-blasted N/mm <sup>2</sup> (psi):              | 22 (3,190)                     | 20 (2,900)                      | 17 (2,500)                       | 21 (3,000)                         | 22 (3,190)   | 23 (3,330)   | 20 (2,900)                                | 22 (3,190)   | 20 (2,900)                                     |
|   | Aluminium, sand-blasted N/mm <sup>2</sup> (psi):          | 11 (1,600)                     | 19 (2,800)                      | 16 (2,300)                       | 19 (2,800)                         | 13 (1,900)   | 13 (1,880)   | 15 (2,180)                                | 11 (1,600)   | 19 (2,800)                                     |
|   | Rigid PVC, roughened N/mm <sup>2</sup> (psi):             | 13 (1,900)                     | 13 (1,900)                      | 11 (1,600)                       | 14 (2,000)                         | 11 (1,600)   | 11 (1,600)   | 11 (1,600)                                | 13 (1,900)   | 11 (1,600)                                     |
| Temperature resistance:                                     | -50 to +180 °C (-58 to +356 °F)                           | -50 to +80 °C (-58 to +176 °F) | -50 to +100 °C (-58 to +212 °F) | -50 to +100 °C (-58 to +212 °F)  | -50 to +180 °C (-58 to +356 °F)    | -50 to +180 °C (-58 to +356 °F) briefly to +230 °C (+446 °F) | -50 to +200 °C (-58 to +392 °F) briefly to +250 °C (+482 °F) | -50 to +180 °C (-58 to +356 °F)           | -50 to +120 °C (-58 to +248 °F) briefly to +150 °C (+302 °F) | -50 to +180 °C (-58 to +356 °F)                |
| Linear shrinkage*3:   | 20 mm/m approx. 1.4%                                      | 20 mm/m approx. 2.0 %          | 20 mm/m approx. 2.0 %           | 20 mm/m approx. 2.0 %            | 3 mm/m approx. 0.72%               | 3 mm/m approx. 0.3 %   | 7 mm/m approx. 0.7 %   | 20 mm/m approx. 1.4%                      | 3 mm/m approx. 0.3 %   | 3 mm/m approx. 0.72%                           |
| Glass transition temperature                                | T <sub>g</sub> after curing at room temperature           | 44.7 °C                        | ---                             | 48.6 °C                          | 52.4 °C                            | 44.3 °C  | 54.4 °C  | ---                                       | 44.7 °C  | ---  |
|   | T <sub>g</sub> after tempering at 80 °C                   | ---                            | ---                             | ---                              | ---                                | ---  | 65 °C  | ---                                       | ---  | ---  |
|   | T <sub>g</sub> after tempering at 90 °C                   | 46.1 °C                        | ---                             | ---                              | ---                                | 32.5 °C  | ---  | ---                                       | 46.1 °C  | ---  |
|   | T <sub>g</sub> after tempering at 120 °C                  | ---                            | ---                             | 49.8 °C                          | 54.2 °C                            | ---  | 44.7 °C  | ---                                       | ---  | ---  |

\*1 For easier workability when ambient temperatures are low, the double cartridges should be warmed up to room temperature (20°C/+68°F) before application.

\*2 These specifications depend on the type and condition of the bonding materials and are only relevant for adhesive bondings. When casting e.g. electronic components, a layer thickness of 10 mm should not be exceeded.

\*3 Measured by a 900 mm x 75 mm x 10 mm mould after storage for 7 days at +20°C (+68°F).

Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



# Epoxy Adhesives

## Type selection table

|  | Easy-Mix S 50 | Easy-Mix S 50 yellow | Easy-Mix N 50 | Easy-Mix N 5000 | Easy-Mix Metal | Easy-Mix HT 180 | Easy-Mix HT 250 | Epoxy Minute Adhesive | Aluminium Minute Adhesive | Fast Metal Minute Adhesive |
|--|---------------|----------------------|---------------|-----------------|----------------|-----------------|-----------------|-----------------------|---------------------------|----------------------------|
| Metals (e.g. aluminium, cast iron, brass, stainless steel) | ++            | ++                   | +             | ++              | ++             | ++              | ++              | +                     | ++                        | ++                         |
| Hard plastics* (e.g. rigid PVC)                            | ++            | ++                   | ++            | ++              | +              | +               | -               | +                     | +                         | +                          |
| Fibre-reinforced materials (e.g. GRP, CFRP, fibreglass)    | ++            | ++                   | +             | ++              | ++             | ++              | +               | +                     | +                         | +                          |
| Wood (hardwood and softwood)                               | +             | +                    | +             | ++              | +              | +               | +               | +                     | +                         | +                          |
| Balsa wood   | ++            | ++                   | ++            | +               | +              | +               | +               | ++                    | +                         | +                          |
| Timber products (e.g. plywood)                             | +             | +                    | +             | +               | +              | +               | +               | +                     | +                         | +                          |
| Glass ceramics   | +             | +                    | +             | +               | +              | +               | +               | +                     | +                         | +                          |
| Stone (e.g. marble, granite, brick, concrete)              | ++            | ++                   | ++            | ++              | ++             | +               | ++              | ++                    | +                         | +                          |
| Rubber / elastomers  | -             | -                    | -             | -               | -              | -               | -               | -                     | -                         | -                          |

Highly suitable (++) Suitable (+) Not suitable (-)

\*Except for plastics such as polyethylene, polypropylene, polyacetat, polytetrafluoroethylene and other fluorinated hydrocarbons with naturally adhesive-rejecting surfaces. When following the recommendations above, bonding of dissimilar material pairs such as metals and plastics is also possible.

## Chemical resistance of Epoxy Resin Systems after curing\*

| Medium                           | Resistance | Medium                  | Resistance |
|----------------------------------|------------|-------------------------|------------|
| Acetone                          | o          | Machine oil             | +          |
| Ammoniac fumes                   | +          | Methanol Ethanol        | +          |
| Petrol                           | +          | Lactic acid             | -          |
| Butyl acetate                    | +          | Motor oil               | +          |
| Butyl alcohol                    | +          | Naphthalene             | -          |
| Calcium hydroxide                | +          | Sodium chloride         | +          |
| Calcium sulphate                 | +          | Sodium carbonate        | +          |
| Chlorine gas, liquid and dry     | +          | Sodium hydroxide        | +          |
| Chlorinated water                | +          | Petroleum               | +          |
| Chromic acid                     | +          | Phosphoric acid (0-5%)  | +          |
| Diesel fuel oil                  | +          | Phosphoric acid (5-10%) | o          |
| Crude oil and crude oil products | +          | Hydrochloric acid       | o          |
| Ethylcellulose                   | +          | Nitric acid             | -          |
| Formaldehyde                     | o          | Sulphur dioxide         | +          |
| Glycerine                        | +          | Carbon disulphide       | +          |
| Glycol                           | o          | Sulphuric acid          | -          |
| Caustic potash solution          | +          | Toluene                 | -          |
| Potassium carbonate              | +          | Xylene                  | -          |
| Kerosene (Jetfuel JP 4)          | +          | Citric acid             | +          |

+ = resistant      o = resistant for a limited time      - = not resistant

The a.m. resistances are a short excerpt. Further chemical resistances are available upon request.

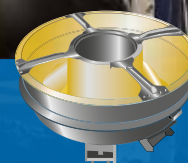
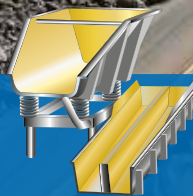
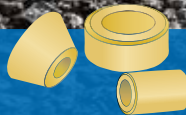
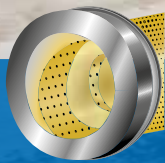
\*The storage of all WEICON Epoxy Adhesives was carried out at +20° C chemical temperature .

Have you already seen our Easy-Mix-Case?

Individual equipment!



Get in touch with us!



**For making:**

- ▶ vibration dampers
- ▶ assembling jigs
- ▶ flexible seals
- ▶ rubber-like prototypes
- ▶ foundry patterns and forms

**For repairs on:**

- ▶ conveyor belts
- ▶ solid rubber tyres
- ▶ conveyor rollers

**For coatings on:**

- ▶ rollers
- ▶ centrifuges
- ▶ polishing drums
- ▶ bulk containers
- ▶ chutes and funnels
- ▶ dry and wet mixers
- ▶ pumps
- ▶ housings
- ▶ centrifuges
- ▶ tanks
- ▶ loading areas

**i** In addition, WEICON Urethanes are perfectly suitable as vibration or insulation protection of machines.

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

VIDEO



**WEICON Belt Repair-Kit**

**Pasty | highly elastic, wear-resistant, impact- and abrasion resistant | high resistance to chemicals and pressure**

WEICON Belt Repair-Kit is a 2-component polyurethane system for the fast repair and coating of rubber surfaces.

It has a high curing speed, high elasticity and wear resistance, is impact-resistant and abrasion-resistant, and has a particularly high tear resistance. Thanks to its high mechanical strength, it is suitable especially for repairs on rubber and metal components, which are exposed to impacts, abrasion or vibrations.

The Belt Repair-Kit offers fast and easy processability. After just 30 minutes, the treated surface can already be sanded and smoothed.

The system is suitable for various applications, such as the repair and coating of conveyor belts, the repair of rubber coatings, for use as flexible wear protection, and for the fast repair of worn-out rubber surfaces.

In addition to the polyurethane system, the set comprises a primer for surface pre-treatment, and a spatula to spread the compound evenly.

In order to cover a broader application range, in addition to the classic 500 g working package, which needs to be mixed by hand, the product is also available as easy-to-use 540 g double cartridge.



**Belt Repair-Kit 550**  
▶ 500 g + Primer G 50 g  
10055014

**Belt Repair-Kit 590**  
▶ 540 g + Primer G 50 g  
10052425

**WEICON Belt Repair-Kit SF**

**Pasty | fast curing | highly elastic | wear-resistant | impact- and abrasion-resistant | high resistance to chemicals and pressure**

WEICON Belt Repair-Kit SF is a fast curing 2-component polyurethane system. With high elasticity and wear resistance, it is impact-resistant and abrasion-resistant, and has a particularly high tear resistance. Especially suited for the fast and reliable repair of conveyor belts and for the repair and coating of rubber surfaces. Short processing time of two to three minutes. Loadable after one hour. Fully cured after three hours.

**Belt Repair-Kit SF**  
▶ 540 g + Primer G 50 g  
10062980



|   | Belt Repair-Kit            | Belt Repair-Kit SF            |
|---|----------------------------|-------------------------------|
|   | Technical Data Urethane 85 | Technical Data Urethane 85 SF |
| Base  | polyurea                   |                               |
| Mixing ratio by weight                      | 10:100                     | 10:100                        |
| Viscosity of the mixture                    | pasty                      | pasty                         |
| Pot life                                    | 20 min.                    | 3 min.                        |
| Working strength/ demouldable after (20 °C) | 6-8 h                      | 1 h                           |
| Final strength                              | 24 h                       | 3 h                           |
| Technical Data Primer                       |                            |                               |
| Base  | urethane                   |                               |
| Mixing ratio by weight                      | 32:1                       |                               |
| Pot life                                    | 15 min.                    |                               |
| Additional layer with polyurethane          | after 30 to 60 Min.        |                               |



# Polyurethane Systems

## Urethanes

### Urethane 45

Shore hardness: A 45

▶ 500 g  
10022361

### Urethane 60

Shore hardness: A 60

▶ 500 g  
10022363

### Urethane 80

Shore hardness: A 80

▶ 500 g  
10012368

### Urethane 85

Shore hardness: A 85

▶ 500 g package  
10057130

▶ 540 g cartridge  
10057188

### Urethane 90 SF

Shore hardness: D 90

▶ 550 g  
10053974

VIDEO



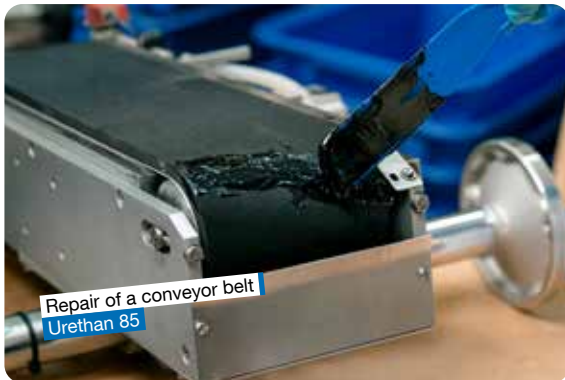
### Urethan 85 SF

High wear resistance | fast curing | pasty  
Shore hardness: A 85

WEICON Urethan 85 SF is a special, pasty polyurethane for coating and repairing rubber surfaces. For example, conveyor belts in industrial plants, in open-pit mining or in mines can be repaired with the polyurethane. Urethan 85 SF has a very high wear resistance.

It is free of solvents and is applied at room temperature. Before processing, the surface to be treated must be roughened thoroughly and then wetted with a special two-component primer (rubber primer), otherwise no adhesion to the surface will be developed. The processing time is two to three minutes. No additional heating is necessary for curing. Surfaces coated with Urethan 85 SF are loadable after one hour. Full curing is completed after three hours. A special primer is available for coating metal surfaces.

▶ 540 g  
10062978  
cartridge



### Dispenser 2C 10:1

Recommended for the 2-component 540g cartridge.

10057514



### Primer G

Special bonding agent for urethanes for the pre-treatment of rubber and metal surfaces.

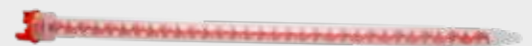
10057199



### Mixing Nozzle MFHX

Suitable for Urethane 85 and Urethane 85 SF (540g cartridge)

10057191





### Technical Data:

|   |  | WEICON Urethanes in non-cured condition |                                   |                                   |   |   |                                   |
|---|--|---|-----------------------------------|-----------------------------------|---|---|-----------------------------------|
|   |  | Urethane 45                             | Urethane 60                       | Urethane 80                       | Urethane 85   | Urethane 85 SF  | Urethane 90 SF                    |
| Base:   |  | Polyurea                                | Polyurea                          | Polyurea                          | Polyurea  | Polyurea  | Polyurethane                      |
| Complete packaging sizes:                                 |  | 500 g                                   | 500 g                             | 500 g                             | 500 g, 540 g  | 540 g   | 550 g                             |
| Mixing ratio (weight %):<br>Resin/Hardener                |  | 100 : 180                               | 100 : 150                         | 100 : 80                          | 10 : 100  | 10:100  | 100 : 23                          |
| Pot life at +20°C (68°F) min.:                            |  | 25                                      | 25                                | 25                                | 20  | 3   | 8                                 |
| Density of the mixture (g/cm <sup>3</sup> ):              |  | 1.04                                    | 1.04                              | 1.00                              | 1.10  | 1.10  | 1.60                              |
| Viscosity at +25°C (77°F)<br>Resin/Hardener (mPa.s):      |  | 5,000 / 500                             | 5,000 / 520                       | 5,000 / 190                       | 500 / 14,000  | 600 / 13,000  | 5,500 / 200                       |
| Mixture viscosity at +25°C (77°F) (mPa.s):                |  | 1,500                                   | 1,500                             | 2,000                             | 17,000  | approx. 17,000  | 3,000                             |
| Cure times at +20°C (68°F)                                | High mechanical load capacity / detachable after | 12 - 20 h                               | 12 - 20 h                         | 12 - 20 h                         | 6 - 8 h   | 1 h   | 2 - 3 h                           |
|   | Final strength (100%) after:                     | approx. 48** h                          | approx. 48** h                    | approx. 48** h                    | approx. 24** h  | 3 h   | approx. 24** h                    |
|   |  | WEICON Urethanes in cured condition     |                                   |                                   |   |   |                                   |
| Tensile strength according to DIN EN ISO 527-2 MPa (psi): |  | 3,5<br>(600)                            | 5,0<br>(800)                      | 8,0<br>(1.200)                    | 7,8<br>(1.100)  | 8,4<br>(1.200)  | -                                 |
| Elongation at break according to DIN EN ISO 527-2 (%):    |  | 1,450                                   | 1,250                             | 600                               | 470   | 590   | 1                                 |
| Resistance to further tearing (DIN ISO 34-1) (kN/m):      |  | 7,5                                     | 10                                | 15                                | 31  | 31  | -                                 |
| Shore hardness (DIN ISO 7619):                            |  | A 45                                    | A 60                              | A 80                              | A 85  | A 85  | D 90                              |
| Colour after curing:                                      |  | light-beige                             | light-beige                       | light-beige                       | black   | black   | brown                             |
| Temperature resistance:                                   |  | -60°C to +90°C<br>(-76 to +194°F)       | -60°C to +90°C<br>(-76 to +194°F) | -60°C to +90°C<br>(-76 to +194°F) | wet: -60°C to +80°C<br>(-76 to +176°F)<br>dry: -60°C to +100°C<br>(-76 to +212°F) | wet: -60 to +80 °C<br>(-76 to +176 °F)<br>dry: -60 to +100 °C<br>(-76 to +212 °F) | -60°C to +90°C<br>(-76 to +194°F) |

\*\* or after 24 hours at room temperature + 4 hours +70°C



## Pre-treatment of the surface and accessories

### Primer M 100

For non-absorbent materials like aluminium, steel, stainless steel, brass, zinc, tinplate, plastics like PA 6.6, GRP, PUR, lacquered surfaces, enamel, ceramic and coated glass.

- ▶ 25 ml    ▶ 250 ml
- 10060606    10023566

### Primer S 300

For porous and absorbent materials like wood, concrete, stone, etc.

- ▶ 25 ml    ▶ 250 ml
- 10060610    10023568

### Primer G

Special bonding agent for urethanes for the pre-treatment of rubber and metal surfaces.

- ▶ 50 g
- 10057199

### Urethane Colour Paste

Special colour paste on the basis of finely dispersed pigments.

- ▶ 250 ml
- 10024676

### Primer Applicator

For application of WEICON Primer.

10032350

Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other



# Polyurethane Systems

# Urethanes

### Technical Data:

| Material                         |                                  | Recommended pre-treatment                    |
|----------------------------------|----------------------------------|--|
| ABS                              |                                  | Surface Cleaner                              |
| Aluminium                        | blank                            | Surface Cleaner + roughening + Primer M 100  |
|                                  | chromated                        | Surface Cleaner                              |
|                                  | anodized                         | Surface Cleaner + Primer M 100               |
|                                  | powder-coated                    | Surface Cleaner + Primer M 100               |
|                                  | base-coated                      | Surface Cleaner                              |
|                                  | lacquered                        | Primer M 100                                 |
| EPDM                             |                                  | poor adhesion, even with the use of a primer |
| GFK                              | smooth/rough side                | Primer M 100                                 |
|                                  | in strips                        | Primer M 100                                 |
|                                  | hand laminate                    | Primer M 100                                 |
| Glass                            | untreated, clear                 | Primer M 100**                               |
|                                  | ceramic-coated                   | Primer M 100*                                |
| Wood                             | phenol-coated (serigraphy plate) | Surface Cleaner + roughening + Primer M 100  |
|                                  | untreated                        | cleaning with a moist cloth + Primer S 300   |
| PA (polyamide)                   |                                  | Primer M 100*                                |
| PIR Rigid foam (polyisocyanurat) |                                  | Surface Cleaner                              |
| PMMA (acrylic glass)             |                                  | Primer M 100*                                |
| Polywood                         |                                  | roughening + Surface Cleaner                 |
| PS                               | rigid foam                       | Surface Cleaner                              |
|                                  | plates                           | not recommended for Urethane applications    |
| PUR Rigid foam                   |                                  | Surface Cleaner                              |
| PUR Elastomer                    |                                  | Surface Cleaner + Primer M 100               |
| PVC                              | plates                           | Surface Cleaner                              |
|                                  | rigid foam                       | Plastic Cleaner                              |
| Steel                            | blank                            | Surface Cleaner + Primer M 100               |
|                                  | chromated                        | Surface Cleaner                              |
|                                  | foil-coated                      | not recommended for Urethane applications    |
|                                  | base-coted                       | Surface Cleaner + Primer M 100               |
|                                  | lacquered                        | Surface Cleaner + Primer M 100               |
|                                  | powder-coated                    | Surface Cleaner + Primer M 100               |
|                                  | VA (stainless steel)             | Surface Cleaner + roughening + Primer M 100  |
|                                  | galvanized                       | Surface Cleaner + roughening + Primer M 100  |

\* preliminary tests required

\*\* protect from UV-light

### Consumption:

| Layer thickness (mm): | Consumption per m <sup>2</sup> (kg) |                |
|-----------------------|-------------------------------------|----------------|
|                       | Urethane 45, 60, 80, 85             | Urethane 90 SF |
| 0.20*                 | 0.21                                | 0.32           |
| 0.50                  | 0.53                                | 0.80           |
| 1.00                  | 1.05                                | 1.60           |
| 1.50                  | 1.60                                | 2.40           |
| 2.00                  | 2.10                                | 3.20           |
| 2.50                  | 2.65                                | 4.00           |
| 3.00                  | 3.20                                | 4.80           |
| 3.50                  | 3.70                                | 5.60           |
| 4.00                  | 4.20                                | 6.40           |

\*Min. layer thickness



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



# Fast Reliable Strong adhesion

High-strength, fast-curing 2-component structural adhesives based on polyurethane with excellent adhesion to a broad range of materials. The high-viscosity formulation enables application even on vertical surfaces. The 2-component system also provides fast and controlled curing. This makes the adhesive bonding process virtually independent of layer thickness, humidity and ambient temperature.

The following materials can be bonded among themselves or to each other with a high tensile, shearing and impact strength:

- ▶ fibre composite materials (e.g. EP-GRP, UP-GRP, CFC, SMC and fibreglass)
- ▶ plastics (e.g. PVC, ABS, PMMA, PC and phenol)
- ▶ polyurethane, epoxies and polyester
- ▶ steel, aluminium and stainless steel
- ▶ wood, ceramic, etc.

WEICON Easy-Mix PU-90 / PU-240 / PU Crystal adhesives are characterised by the following properties:

- ▶ fast initial strength
- ▶ immediate adhesion even to vertical surfaces, no dripping, can be modelled
- ▶ high tensile, shear and impact strengths
- ▶ permanently elastic/impact resistant, low shrinkage
- ▶ for indoor and outdoor use
- ▶ resistant to weathering and chemicals
- ▶ can be sanded and painted after approx. 30 minutes
- ▶ neutral to materials
- ▶ temperature-resistant from -40°C to +125°C (-40 to +257°F)



### Easy-Mix PU-90

**High-strength | extremely fast-curing | highly viscous | pot life of 90 seconds**

▶ 50 ml  
10031972



### Easy-Mix PU-240

**High-strength | extremely fast-curing | highly viscous | pot life of 240 seconds**

▶ 50 ml  
10031974



### Easy-Mix PU Crystal

**High-strength | fast-curing | UV-resistant | for transparent and visually appealing adhesive bonds | pot life approx. 120 - 240 seconds**

▶ 50 ml  
10058022



### Quadro Mixing Nozzle A-System

10005236

### Hand Dispenser D50

10005237

### Quadro Mixing Nozzle B-System

10029793

### Manual Dispenser **NEW**

easy to use | economical

Application aid for Easy-Mix products in 50 ml cartridge. Pusher for mixing ratios 1:1 and 2:1.

10101999







### Chemical resistance of WEICON Polyurethane Systems after curing

|                                    |   |                                 |   |
|------------------------------------|---|---------------------------------|---|
| Acetone                            | - | Methyl ethyl ketone             | - |
| Alcohol                            | 0 | Mineral and synthetic motor oil | + |
| Formic acid (concentrated)         | - | 20% Sodium hydroxide solution   | - |
| 10% Ammonia                        | 0 | 5% Phosphoric acid              | + |
| Petrol (92 to 100 octane)          | - | Phosphoric acid (concentrated)  | - |
| Diesel/heating oil                 | - | 2-Propanol                      | - |
| Glycol ether                       | - | 5% Nitric acid                  | - |
| > 5% Acetic acid                   | - | 5% Hydrochloric acid            | + |
| Ethanol                            | - | Salt water/seawater             | + |
| Freon                              | - | 5% Sulphuric acid               | o |
| Antifreeze                         | + | Silicone oil (concentrated)     | - |
| Gear oil                           | - | Edible oil/vegetable oil        | - |
| Glycerine (glycol)                 | + | Toluene                         | + |
| Hydraulic oil                      | 0 | Naphtha                         | + |
| 20% Caustic potash solution        | + | Water                           | + |
| Ketones                            | - | Water, +90°C                    | o |
| Cooling lubricant, water-dilutable | + | W3% Hydrogen peroxide           | + |
| Thinner                            | - | Paraffin oil                    | + |
| Lyes, thinned                      | + | Xylene                          | + |
| Methanol                           | - | 10% Citric acid                 | + |

+ = resistant    0 = resistant for a limited time    - = not resistant

### Technical Data

|   | Easy-Mix<br>PU-90                               | Easy-Mix<br>PU-240                           | Easy-Mix<br>PU Crsytal                       |
|---|---|--|--|
| Base  | polyurethane                                    | polyurethane                                 | polyurethane                                 |
| Mixing ratio resin/hardener                 | 1 : 1   | 1 : 1  | 1 : 1  |
| Colour after curing                         | black   | black  | crystal-clear                                |
| Density of the mixture                      | 1.30 - 1.35 g/cm <sup>3</sup>                   | 1.30 - 1.35 g/cm <sup>3</sup>                | 1.13 g/cm <sup>3</sup>                       |
| Pot life at +20 °C (+68 °F)                 | 90 sec.   | 240 sec.                                     | 2 - 4 min.                                   |
| Handling strength (35 % after)              | 5 min.  | 10 min.                                      | 30 min.                                      |
| Mechanical loads (50 % strength after)      | 10 min.   | 30 min.                                      | 60 min.                                      |
| Final strength (100 % after)                | 12 h  | 12 h   | 12 h   |
| Adhesive gap bridging                       | 0.1 - 4.0 mm                                    | 0.1 - 4.0 mm                                 | 0.1 - 4.0 mm                                 |
| On Aluminium (0.26 mm)                      | 13 N/mm <sup>2</sup> (1,900 psi)                | 14 N/mm <sup>2</sup> (2,000 psi)             | 11 N/mm <sup>2</sup> (1,600 psi)             |
| On Steel bright (0.26 mm)                   | 19 N/mm <sup>2</sup> (2,800 psi)                | 23 N/mm <sup>2</sup> (3,300 psi)             | 17 N/mm <sup>2</sup> (2,500 psi)             |
| On Stainless steel (0.26 mm)                | 17 N/mm <sup>2</sup> (2,500 psi)                | 18 N/mm <sup>2</sup> (2,600 psi)             | 17 N/mm <sup>2</sup> (2,500 psi)             |
| Average E-module +20 °C (+68 °F)            | 650 - 750 N/mm <sup>2</sup><br>(90 - 110 ksi)   | 450 - 550 N/mm <sup>2</sup><br>(70 - 80 ksi) | 240 - 280 N/mm <sup>2</sup><br>(35 - 40 ksi) |
| Shore hardness D (DIN ISO 7619)             | 66  | 68   | 73   |
| Tensile strength DIN EN ISO 527-2           | 21 N/mm <sup>2</sup> (3,000 psi)                | 20 N/mm <sup>2</sup> (2,900 psi)             | 12 N/mm <sup>2</sup> (1,750 psi)             |
| Tensile Extension DIN EN ISO 527-2          | 35 %  | 31 %   | 20 %   |
| Temperature resistance                      | -55 to +125°C<br>(-67 to +257°F)                | -55 to +125°C<br>(-67 to +257°F)             | -55 to +100°C<br>(-67 to +212°F)             |
| Thermoforming resistance                    | +65°C (+149°F)                                  | +65°C (+149°F)                               | +50°C (+122°F)                               |
| TGA decomposition temperature (onset-temp.) | +330°C (+626°F)                                 | +336°C (+637°F)                              | -  |
| Glass transition temperature                | T <sub>g</sub> after curing at room temperature | +45.6°C                                      | +30.9°C                                      |
|   | T <sub>g</sub> after tempering at +120 °C       | +31.1°C                                      | +27.0°C                                      |



VIDEO



Adhesives / Sealants

Technical Sprays

Technical Liquids

WEICON RK-1300/1500 are 2-component systems based on methacrylate, which cure fast at room temperature. Both systems are processed in the “no-mix” procedure, i.e. a mix of both components (adhesive and activator) is not necessary.

Polymerization starts as soon as the adhesive- and activator-wetted components are joined together.



Activator



Adhesive



Join together

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

# High strength | impact-resistant



RK-1300/1500 allow high-strength bonding of different materials:

- ▶ **metals (also coated), such as steel, aluminium, copper, zinc, alloys, as well as ferrites (ferromagnetic material)**
- ▶ **plastics\*, such as ABS, polystyrene, hard PVC, polycarbonate, polyphenylene oxide, polyester moulding compounds**
- ▶ **fibre composite materials (GRP, CRP, fibreglass etc.)**
- ▶ **wood and cellulose materials (e.g. MDF)**
- ▶ **glass, ceramics and stone**

\*Polyamide, Teflon® and polyolefin etc. only after special surface treatment, for example using fluoridation, low-pressure plasma, corona, flame impingement etc.

WEICON RK-1300/1500 feature special product-specific characteristics:

- ▶ **processing in the “no-mix” procedure**
- ▶ **quick and high initial bonding strength**
- ▶ **residual elasticity and impact resistance**
- ▶ **applicable at a large range of temperatures**
- ▶ **ageing-resistant**

As a result, there are numerous areas of application, in particular during assembly and in industrial processing.

Due to the “no-mix” procedure and the quick, high initial bonding strength, WEICON RK Construction Adhesives are especially suited for manufacturing processes with staggered assembly and positioning processes and high cycle times during serial production.



Structural Acrylic Adhesives

**RK-1300**  
**RK-1500**



**RK-1300**

Pasty | strong | fast-curing

- ▶ 60 g\*1    ▶ 330 g\*2    ▶ 1.0 kg\*1    ▶ 6.0 kg\*2

- 10000118    10007508    10007378    10000126

\*complete package consisting of adhesive and activator  
\*\*without activator

**RK-1500**

Liquid | strong | fast-curing

- ▶ 60 g\*1    ▶ 310 g\*2    ▶ 1.0 kg\*1    ▶ 6.0 kg\*2

- 10008905    10016249    10002622    10008677

\*complete package consisting of adhesive and activator  
\*\*without activator



Bonding of plastic plates (PU)  
RK-1500



Illumination bonding (aluminium / glass)  
RK-1300



**RK-Activator**

- ▶ 100 ml    ▶ 1 L
- 10000128    10000131



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

# High strength Residual elasticity Process-safe



High-strength, fast-curing structural adhesives on the basis of MMA (methyl methacrylate) with excellent adhesion to e.g. fibre composite materials, many plastics, metals and many other materials.

Due to its high viscosity the adhesive can also be applied on vertical surfaces.

The following materials can be bonded with high tensile, shear and peel strength:

- ▶ plastics (e.g. PVC, ABS, PMMA, fibre glass, phenol)
- ▶ polyurethane, epoxies
- ▶ steel, aluminium, stainless steel
- ▶ wood, ceramics and many others

WEICON Easy-Mix Structural Adhesives feature special product characteristics:

- ▶ high tensile, shear and impact strengths
- ▶ rapid strength build-up
- ▶ for indoor and outdoor use
- ▶ resistant to weather conditions and many chemicals
- ▶ sandable and paintable
- ▶ high temperature-resistance

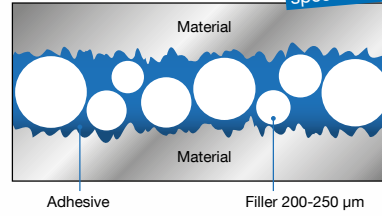


## Easy-Mix RK-7300

Excellent adhesion to plastics and EPDM | high strength | highly viscous | impact-resistant

▶ 50 g  
10047457

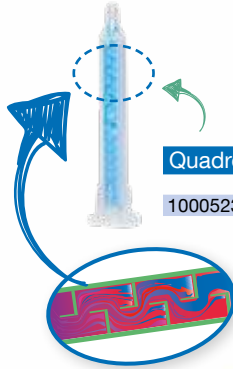
The ideal adhesive for **low energy plastics**



Constant adhesive joint thanks to special fillers (glass beads)

## Quadro Mixing Nozzle A-System

10005236



WEICON Easy-Mix Structural Adhesives can be applied universally and are well-suited for the following areas of application:

- ▶ plastics engineering
- ▶ machine building
- ▶ model and mould construction
- ▶ metal construction
- ▶ electrical engineering
- ▶ car body and vehicle construction
- ▶ trade fair and exhibition





Structural Acrylic Adhesives

# RK-Structural Adhesives and Plastic Bond



### Easy-Mix RK-7000

Slow-curing | high strength | impact-resistant | residual elasticity

▶ 50 g  
10018563



VIDEO



### Easy-Mix RK-7100

Fast-curing | high strength | impact-resistant | residual elasticity

▶ 50 g  
10030534  
milky white

▶ 50 g  
10051232  
black



### Easy-Mix RK-7200

Transparent | high strength | impact-resistant | residual elasticity

▶ 50 g  
10034573



### Plastic-Bond

Excellent adhesion to plastics | high strength | shock- and impact-resistant

▶ 24 ml  
10018558

Can alternatively be processed with Quadro Mixing Nozzle (Art.-No. 10005236).

### Plastic-Bond Set

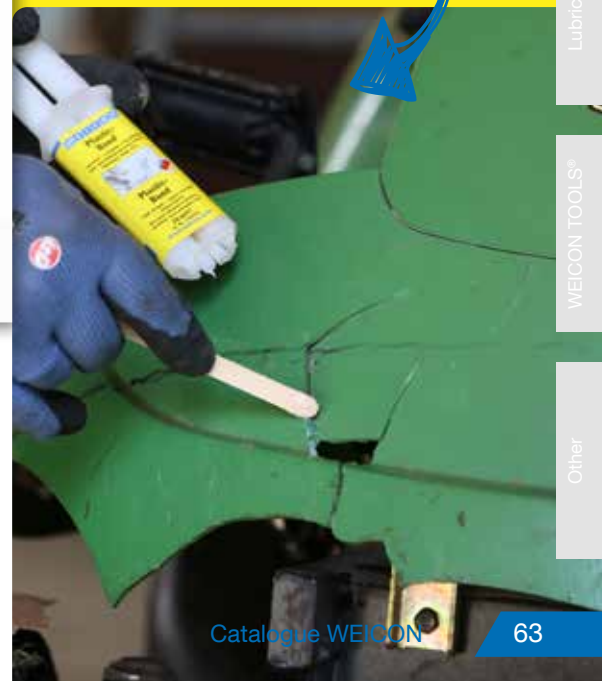
Comprising:

Plastic-Bond, Wooden Spatula small, Mixing Nozzle Quadro, PE gloves

▶ Set  
10058780



**Our DIY TIP**



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

- ▶ transparent
- ▶ for low surface energy plastics  
**PP | PE | HDPE | LDPE | HDP**
- ▶ for small bonding gaps
- ▶ no pre-treatment necessary



## 1:1 System

Plastics such as PE and PP are used increasingly in nearly all industrial sectors today due to their specific properties such as mouldability, elasticity, break resistance, temperature and heat resistance. For the adhesive bonding of these plastics, until now, the surfaces needed to be extensively pretreated, for example:

- ▶ mechanically (grinding, blasting, etc.)
- ▶ chemically (fluorination)
- ▶ physically (flame treatment, corona, plasma)

With the adhesives WEICON Easy-Mix PE-PP 45 and PE-PP 50, these pretreatments are no longer necessary. The "integrated primer" in the adhesive activates the surfaces and makes high-strength bonds possible.

WEICON Easy-Mix PE-PP 45 and PE-PP 50 are 2-component construction adhesives based on methyl acrylate. They are particularly suitable for structural, high-strength bondings of low surface-energy plastics like PE, PP and TPE.

In addition, WEICON Easy-Mix PE-PP 45 and PE-PP 50 can be used as „universal adhesive“ for plastics like:

- ▶ rigid PVC (polyvinyl chloride)
- ▶ PC (polycarbonate)
- ▶ ABS (acrylonitrile-butadiene styrene)
- ▶ fibre-reinforced materials (GRP, CRP, fibre glass etc.)
- ▶ PMMA (Polymethyl methacrylate)

### Characteristics:

- ▶ no pre-treatment of the parts to be bonded („integrated primer“)
- ▶ short pot life and processing time
- ▶ fast development of strength
- ▶ high final strength
- ▶ curing with residual elasticity
- ▶ ageing-resistant
- ▶ chemical-resistant
- ▶ pasty, non-drip



### Easy-Mix PE-PP 50

- ▶ 24 ml    ▶ 50 ml
- 10062144    10058667
- transparent    transparent

### Hand Dispenser D50

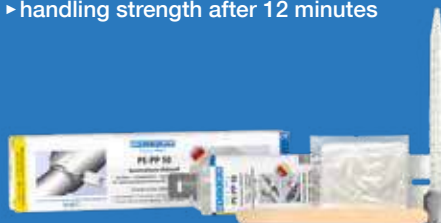
10005237

### Helix Mixing Nozzle A-System

10026925

Due to its transparent curing, WEICON Easy-Mix PE-PP 50 is especially suitable for creating visually appealing adhesive bonds. Thanks to its special formula, the adhesive is suitable for 0-gap bonds and for connecting surfaces with extremely small bonding gaps of less than 0,2 mm.

- ▶ pot life 6 minutes
- ▶ bonding gap bridging from 0 to 1 mm
- ▶ handling strength after 12 minutes



### Easy-Mix PE-PP 50 Set

**Comprising:**  
24 ml Easy-Mix PE-PP 50,  
Wooden Spatula small, Quadro  
Mixing Nozzle, PE gloves

10062146

ALSO AVAILABLE  
AS SET



Structural Acrylic Adhesives

**PE-PP 45**  
**PE-PP 50**



**Easy-Mix PE-PP 45**

▶ 45 ml  
**10057687**  
nearly colourless,  
translucent

**Hand Dispenser D 50 10:1**

**10059295**

**Mixing Nozzles 10:1 B**

**10063196**

**Special Piston**

**10023341**

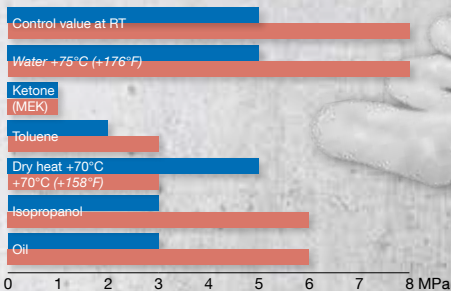
For retooling the Hand Dispenser  
Easy-Mix D 50 to Easy-Mix PE-PP 45



Due to its slightly higher viscosity, WEICON Easy-Mix PE-PP 45 compensates bonding gaps of up to 1 mm and, thanks to the fillers (glass beads) contained in the adhesive, guarantees adhesive joint of at least 0.20 mm.

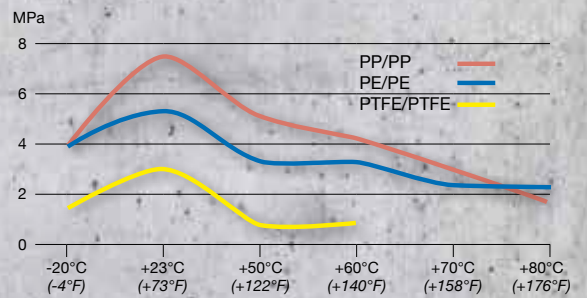
- ▶ pot life 2-3 minutes
- ▶ bonding gap bridging min. 0.15 - 0.20 mm
- ▶ handling strength after 120 - 180 minutes

**Ageing resistance of PE adhesive bonds**  
**Ageing resistance of PP adhesive bonds**  
after storage in various media (14 days at room temperature)

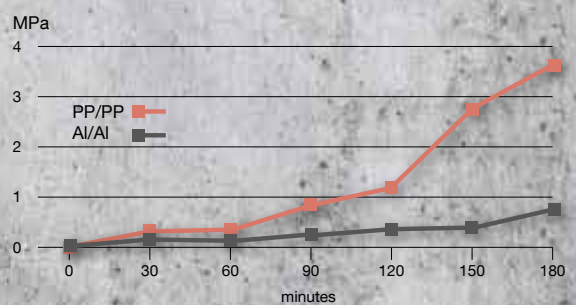


Specification of the test specimen:  
Standard: DIN EN 1465 Curing: 7 days at room temperature  
Adhesive surface: 12.5 mm x 25 mm Testing speed: 10 mm/min  
Adhesive thickness: 0.2 mm

Tensile shear strength of WEICON Easy-Mix PE-PP 45 compliant with DIN EN 1465 in temperature curve



Strength development of WEICON Easy-Mix PE-PP 45 on tensile shear test samples compliant with DIN EN 1465



## Technical Data

|   | RK-1300   | RK-1500                          | RK-7000                          | RK-7100                          | RK-7100<br>black                 | RK-7200                          | RK-7300                          | PE-PP 45                          | PE-PP 50  | Plastic-Bond                     |
|---|---|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|---|----------------------------------|
| Base  | methyl methacrylate   |                                  | methyl methacrylate              |                                  |                                  |                                  |                                  |                                   |   |                                  |
| Mixing ratio resin / hardener                   | 1 : 1   |                                  | 1 : 1                            | 1 : 1                            | 1 : 1                            | 1 : 1                            | 1 : 1                            | 10 : 1                            | 1 : 1   | 1 : 1                            |
| Colour after curing                             | beige, opaque   | yellowish, transparent           | cream white, milky               | cream white, milky               | black                            | transparent                      | translucent/creamy white         | nearly colourless, translucent    | transparent   | cream white, milky               |
| Density of the mixture                          | -   |                                  | 0.98 - 1.02 g/cm <sup>3</sup>    | 0.98 - 1.02 g/cm <sup>3</sup>    | 0.98 - 1.02 g/cm <sup>3</sup>    | 1.1 g/cm <sup>3</sup>            | 1.00 g/cm <sup>3</sup>           | 1.07 g/cm <sup>3</sup>            | 1.00 g/cm <sup>3</sup>                                  | 0.98 - 1.02 g/cm <sup>3</sup>    |
| Pot life at +20°C (+68°F)                       | -   |                                  | approx. 15 Min.                  | approx. 5 Min.                   | approx. 5 Min.                   | approx. 1 - 2 Min.               | approx. 8 Min.                   | approx. 2 - 3 Min.                | approx. 6 Min.  | approx. 15 Min.                  |
| Viscosity of the mixture (mPa.s)                | 21,000 (Adhesive)   | 4,500 (Adhesive)                 | 40,000 - 60,000                  | 40,000 - 60,000                  | 40,000 - 60,000                  | 5,000 - 6,000                    | 170,000 - 200,000                | 45,000                            | 20,000  | 40,000 - 60,000                  |
| Adhesive gap bridging                           | max. 0.40 mm (Activator application on one side*)<br>max. 0.80 mm (Activator application on both sides**) |                                  | 0.1 - 5.0 mm                     | 0.1 - 5.0 mm                     | 0.1 - 5.0 mm                     | 0.1 - 2.0 mm                     | 0.25 - 1.0 mm                    | 0.25 - 1.0 mm                     | 0 - 1.0 mm  | 0.1 - 5.0 mm                     |
| Temperature resistance                          | -50°C to +130°C (-58 to +266°F), briefly (30 minutes) to +180°C (+356°F)                                  |                                  | -55 to +125°C (-67 to +257°F)    | -55 to +125°C (-67 to +257°F)    | -55 to +125°C (-67 to +257°F)    | -40 to +120°C (-40 to +248°F)    | -55 to +100°C (-67 to +212°F)    | -50 to +80°C (-58 to +176°F)      | -50 to +80°C (-58 to +176°F) briefly to +100°C (+212°F) | -55 to +125°C (-67 to +257°F)    |
| Handling strength (35%) after                   | approx. 6 min.  | approx. 5 min.                   | approx. 40 min.                  | approx. 25 min.                  | approx. 25 min.                  | approx. 8 min.                   | approx. 1 h                      | 2 - 3 h (PP-PP)<br>6 h (Alu-Alu)  | approx. 12 min.   | approx. 40 min.                  |
| Mechanical loads (50% strength) after           | approx. 9 min.  | approx. 8 min.                   | approx. 60 min.                  | approx. 60 min.                  | approx. 60 min.                  | approx. 12 min.                  | approx. 8 h                      | 3 - 4 h (PP-PP)<br>24 h (Alu-Alu) | approx. 12 h  | approx. 60 min.                  |
| Final strength (100%) after                     | approx. 24 h  | approx. 24 h                     | approx. 12 h                     | approx. 12 h                     | approx. 12 h                     | approx. 6 h                      | approx. 24 h                     | 24 h (PP-PP)<br>72 h (Alu-Alu)    | approx. 24 h  | approx. 12 h                     |
| Shore hardness D DIN ISO 7619                   | -   |                                  | 70                               | 75                               | 75                               | 45 - 55                          | 40 - 50 D                        | 55                                | 55  | 70                               |
| Tensile strength DIN EN 1465:                   |   |                                  |                                  |                                  |                                  |                                  |                                  |                                   |   |                                  |
| - Aluminium                                     | 20 N/mm <sup>2</sup> (2,900 psi)  | 20 N/mm <sup>2</sup> (2,900 psi) | 20 N/mm <sup>2</sup> (2,900 psi) | 20 N/mm <sup>2</sup> (2,900 psi) | 20 N/mm <sup>2</sup> (2,900 psi) | 19 N/mm <sup>2</sup> (2,760 psi) | 5 N/mm <sup>2</sup> (730 psi)    | 14 N/mm <sup>2</sup> (2,030 psi)  | 12 N/mm <sup>2</sup> (1,740 psi)                        | 20 N/mm <sup>2</sup> (2,900 psi) |
| - Steel   | 25 N/mm <sup>2</sup> (3,600 psi)  | 25 N/mm <sup>2</sup> (3,600 psi) | 23 N/mm <sup>2</sup> (3,300 psi) | 23 N/mm <sup>2</sup> (3,300 psi) | 23 N/mm <sup>2</sup> (3,300 psi) | 22 N/mm <sup>2</sup> (3,190 psi) | 5 N/mm <sup>2</sup> (730 psi)    | 17 N/mm <sup>2</sup> (2,470 psi)  | 12 N/mm <sup>2</sup> (1,740 psi)                        | 23 N/mm <sup>2</sup> (3,300 psi) |
| - Stainless Steel                               | 25 N/mm <sup>2</sup> (3,600 psi)  | 30 N/mm <sup>2</sup> (4,350 psi) | 22 N/mm <sup>2</sup> (3,190 psi) | 22 N/mm <sup>2</sup> (3,190 psi) | 22 N/mm <sup>2</sup> (3,190 psi) | 27 N/mm <sup>2</sup> (3,900 psi) | 4 N/mm <sup>2</sup> (580 psi)    | 16 N/mm <sup>2</sup> (2,320 psi)  | 11 N/mm <sup>2</sup> (1,600 psi)                        | 22 N/mm <sup>2</sup> (3,190 psi) |
| - PC (polycarbonate)                            | 10 N/mm <sup>2</sup> (1,450 psi)  | 10 N/mm <sup>2</sup> (1,450 psi) | 11 N/mm <sup>2</sup> (1,600 psi) | 12 N/mm <sup>2</sup> (1,740 psi) | 12 N/mm <sup>2</sup> (1,740 psi) | 7 N/mm <sup>2</sup> (1,020 psi)  | 6 N/mm <sup>2</sup> (870 psi)    | 6 N/mm <sup>2</sup> (870 psi)     | 6 N/mm <sup>2</sup> (870 psi)                           | 11 N/mm <sup>2</sup> (1,600 psi) |
| - PMMA  | 9 N/mm <sup>2</sup> (1,310 psi)   | 8 N/mm <sup>2</sup> (1,160 psi)  | 9 N/mm <sup>2</sup> (1,310 psi)  | 9 N/mm <sup>2</sup> (1,310 psi)  | 9 N/mm <sup>2</sup> (1,310 psi)  | 4 N/mm <sup>2</sup> (580 psi)    | 6 N/mm <sup>2</sup> (870 psi)    | 7 N/mm <sup>2</sup> (1,000 psi)   | 8 N/mm <sup>2</sup> (1,160 psi)                         | 9 N/mm <sup>2</sup> (1,310 psi)  |
| - ABS   | 6 N/mm <sup>2</sup> (900 psi)   | 6 N/mm <sup>2</sup> (900 psi)    | 7 N/mm <sup>2</sup> (1,000 psi)  | 7 N/mm <sup>2</sup> (1,000 psi)  | 7 N/mm <sup>2</sup> (1,000 psi)  | 7 N/mm <sup>2</sup> (1,000 psi)  | 8 N/mm <sup>2</sup> (1,160 psi)  | 11 N/mm <sup>2</sup> (1,600 psi)  | 3 N/mm <sup>2</sup> (440 psi)                           | 7 N/mm <sup>2</sup> (1,000 psi)  |
| - PVC-Hart                                      | 7 N/mm <sup>2</sup> (1,000 psi)   | 11 N/mm <sup>2</sup> (1,600 psi) | 12 N/mm <sup>2</sup> (1,740 psi) | 12 N/mm <sup>2</sup> (1,740 psi) | 12 N/mm <sup>2</sup> (1,740 psi) | 8 N/mm <sup>2</sup> (1,160 psi)  | 11 N/mm <sup>2</sup> (1,600 psi) | 14 N/mm <sup>2</sup> (2,030 psi)  | 12 N/mm <sup>2</sup> (1,740 psi)                        | 12 N/mm <sup>2</sup> (1,740 psi) |
| - GFK   | 16 N/mm <sup>2</sup> (2,320 psi)  | 20 N/mm <sup>2</sup> (2,900 psi) | 21 N/mm <sup>2</sup> (3,000 psi) | 21 N/mm <sup>2</sup> (3,000 psi) | 21 N/mm <sup>2</sup> (3,000 psi) | 9 N/mm <sup>2</sup> (1,310 psi)  | 7 N/mm <sup>2</sup> (1,000 psi)  | 17 N/mm <sup>2</sup> (2,470 psi)  | 15 N/mm <sup>2</sup> (2,200 psi)                        | 21 N/mm <sup>2</sup> (3,000 psi) |
| - CFK   | 24 N/mm <sup>2</sup> (3,500 psi)  | 27 N/mm <sup>2</sup> (3,920 psi) | 22 N/mm <sup>2</sup> (3,190 psi) | 22 N/mm <sup>2</sup> (3,190 psi) | 22 N/mm <sup>2</sup> (3,190 psi) | 12 N/mm <sup>2</sup> (1,740 psi) | 7 N/mm <sup>2</sup> (1,000 psi)  | 16 N/mm <sup>2</sup> (2,320 psi)  | 12 N/mm <sup>2</sup> (1,740 psi)                        | 22 N/mm <sup>2</sup> (3,190 psi) |
| - Polyamide 6.6                                 | 2 N/mm <sup>2</sup> (300 psi)   | 3 N/mm <sup>2</sup> (400 psi)    | 1 N/mm <sup>2</sup> (150 psi)    | 1 N/mm <sup>2</sup> (150 psi)    | 1 N/mm <sup>2</sup> (150 psi)    | 2 N/mm <sup>2</sup> (290 psi)    | 3 N/mm <sup>2</sup> (440 psi)    | 6 N/mm <sup>2</sup> (870 psi)     | 2 N/mm <sup>2</sup> (290 psi)                           | 1 N/mm <sup>2</sup> (150 psi)    |
| - POM (polyoxymethylen)                         | -   | -                                | -                                | -                                | -                                | -                                | 5 N/mm <sup>2</sup> (730 psi)    | 2 N/mm <sup>2</sup> (290 psi)     | -   | -                                |
| - PE-HD   | -   | -                                | -                                | -                                | -                                | -                                | 5 N/mm <sup>2</sup> (730 psi)    | 7 N/mm <sup>2</sup> (1,000 psi)   | 12 N/mm <sup>2</sup> (1,740 psi)                        | -                                |
| - PP (polypropylene)                            | -   | -                                | -                                | -                                | -                                | -                                | 6 N/mm <sup>2</sup> (870 psi)    | 8 N/mm <sup>2</sup> (1,160 psi)   | 8 N/mm <sup>2</sup> (1,160 psi)                         | -                                |
| - PTFE (polytetrafluorethylene)                 | -   | -                                | -                                | -                                | -                                | -                                | 2 N/mm <sup>2</sup> (290 psi)    | -                                 | -   | -                                |
| - EPDM (Shore A70)                              | -   | -                                | -                                | -                                | -                                | -                                | 1 N/mm <sup>2</sup> (150 psi)    | -                                 | -   | -                                |
| Glass transition temperature                    |   |                                  |                                  |                                  |                                  |                                  |                                  |                                   |   |                                  |
| T <sub>g</sub> after curing at room temperature | -   | -                                | -39.8 °C                         | -40.3 °C                         | -40.3 °C                         | -17.5 °C                         | 51.5 °C                          | 46.3°C                            | -   | -                                |
| T <sub>g</sub> after tempering at 120 °C        | -   | -                                | -39.5 °C                         | -38.5 °C                         | -38.5 °C                         | -17.7 °C                         | 52.4 °C                          | 44.7°C                            | -   | -                                |

\*This information is dependent on the type of materials to be bonded and their respective properties. In case of porous materials or passive surfaces, such as chrome, nickel, etc. the Activator should be applied on both sides. (Bond lines of 0.15 mm to 0.25 mm in width have the highest stability).



# Structural Acrylic Adhesives

## RK-Structural Adhesives and Plastic Bond

### Chemical resistance of WEICON Structural Acrylic Adhesives after curing\*

|  |   |   |   |
|--|---|---|---|
| Acetone  | + | Isopropyl acetate                         | + |
| Acidic vapours   | + | Isopropyl alcohol                         | + |
| Alcohol  | + | Isopropyl ether                           | + |
| Aliphatic hydrocarbons, (petroleum derivative)         | + | Kerosene                                  | + |
| Alkaline vapours                                       | + | Ketone                                    | + |
| Ammonia, ammonium chloride                             | + | Lubricating oils and grease               | + |
| Ammonium chloride                                      | + | Mercury                                   | + |
| Aromatic hydrocarbons (benzoyl, methylbenzene, xylene) | 0 | Methanol (methyl alcohol)                 | + |
| Benzoyl  | 0 | Methyl benzoyl                            | + |
| Benzoyl acid   | + | Methyl chloride                           | 0 |
| Bilge medium (bilge water)                             | + | Methyl ethyl ketone                       | + |
| Brake fluid  | + | Methyl isobutyl ketone, isopropyl acetone | + |
| Bromide solution                                       | 0 | Methylene dichloride                      | + |
| Butyl alcohol (Isobutanol)                             | + | Mineral oil                               | + |
| Calcium chloride (sea salt)                            | + | Mineral turpentine                        | + |
| Calcium sulphate                                       | + | Nitric acid 5%                            | + |
| Calcium sulphite                                       | + | Nitric acid, fuming                       | - |
| Chlorinated hydrocarbon                                | + | Oxygen                                    | - |
| Chlorinated salt water (swimming pool concentrate)     | + | Ozone                                     | - |
| Chlorinated solvent (dichloromethane)                  | - | Paraffin oil, kerosene                    | + |
| Chlorinated water (swimming pool concentration)        | + | Perchlormethylmercaptan                   | + |
| Chlorine alcohol                                       | + | Persulfuric acid 5%                       | + |
| Chlorine bleach  | - | Petrol                                    | + |
| Chlorine gas, liquid and dry                           | - | Phenol (Carbolic acid)                    | + |
| Chlorine sulphuric acid                                | - | Phenol resin                              | + |
| Chlorine, liquid and dry                               | - | Phosphoric acid 5%                        | + |
| Chloroform   | + | Phthalic acid (benzene dicarboxylic acid) | + |
| Chromic acid 5%  | + | Polyphosphoric acid 5%                    | + |
| Cooling lubricants                                     | + | Potassium carbonate (potash)              | + |
| Corrosive ammonium, ammonium hydroxide                 | 0 | Propyl alcohol                            | + |
| Cylinder oil   | + | Selenium chloride                         | + |
| Dichloroethylene ether                                 | + | Silicon oils                              | + |
| Epichlorohydrin  | + | Sulphur dioxide, wet and dry              | + |
| Freon  | 0 | Sulphur trioxide gas                      | - |
| Fuel for jet or turbine engines                        | + | Sulphuric acid                            | 0 |
| Glycocol, glycine                                      | + | Sulphuric acid, fuming                    | - |
| Heating oil, diesel                                    | + | Tannic acid (gallotannic acid)            | 0 |
| Heptane  | + | Toluene (methylbenzene)                   | 0 |
| Hydrochloric acid (muriatic acid)                      | 0 | Toluene sulphuric acid                    | 0 |
| Hydrocyanic acid, prussic acid 5%                      | + | Trichloroethylene                         | + |
| Hydrogen bromide 5%                                    | + | Turpentine, Turpentine oil                | + |
| Hydrogen chloride                                      | + | Waste water, excrements                   | + |
| Hydrogen fluoride (hydrofluoric acid)                  | - | Water                                     | + |
| Hydrogen peroxide                                      | 0 | Water, boiling                            | 0 |
| Hydrogen sulphide, wet and dry                         | + | Water, distilled                          | + |
| Isobutyl alcohol (isobutene)                           | + | Xylene (dimethylbenzoyl)                  | 0 |

+ = resistant    0 = resistant for a limited time    - = not resistant    \*Storage of the test pieces was at +20°C (+68°F) chemical temperature.



**WEICONLOCK®**

Threadlocking

Pipe and Thread Sealing

Retaining Cylindrical Assemblies

Flange Sealing and Gasketing

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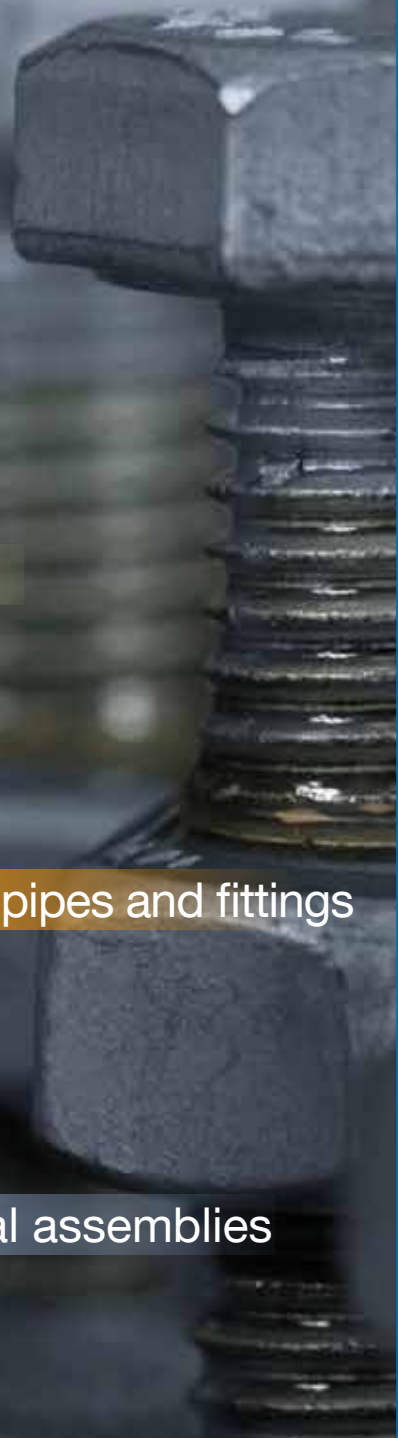
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Cyanoacrylate Adhesives - Contact



# 1-Component Adhesives and Sealants





Adhesives / Sealants

## Threadlocking

- ▶ screws and nuts
- ▶ stud bolts

Technical Sprays

## Sealing of threaded pipes and fittings

- ▶ threaded connections
- ▶ hydraulic and pneumatic systems
- ▶ cooler and compressed air systems

Technical Liquids

## Retaining cylindrical assemblies

- ▶ shaft / hub-connections
- ▶ coupling hubs, pulleys, bearings
- ▶ cylindrical parts;  
slip-, press- or shrunk-fitted

Assembly Pastes

Lubricants

## Flange sealing, gasketing

- ▶ flanges
- ▶ cases
- ▶ lids

WEICON TOOLS®

Other

WEICONLOCK are one-component anaerobic adhesives and sealants, especially made for metal assembly parts.

For different application areas, our broad range of various strengths and viscosities is available for you.

WEICONLOCK is suitable for all metals and certain plastics. It can be applied either manually or semi / fully automatically. As cost-effective problem solvers, WEICONLOCK products are indispensable in many sectors of industry:

- ▶ automotive industry
- ▶ engine and plant construction
- ▶ manufacture of pumps and pipes
- ▶ hydraulic and pneumatic equipment
- ▶ precision mechanics
- ▶ in electrical engineering and electro-technics and in nearly all fields of repair and maintenance



BAM tested and safety-related evaluated- according to leaflet M 034-1 "List of nonmetallic materials compatible with oxygen" (DGUV information 213-075) of BG RCI

NSF

Certified to NSF/ANSI 61

NSF

Nonfood Compounds Program Listed (Category Code) (Registration #)



How do you choose the right threadlocker?

**WE explain:**





# Anaerobic Adhesives and Sealants



## WEICONLOCK Activator F

### Reduction of curing time

The cure time can be reduced considerably by pre-treatment with WEICONLOCK Activator F, which is recommended for all passive surfaces and which is indispensable at low ambient temperatures (+10°C/+50°F and below) and for large gaps. On non-metallic surfaces, WEICONLOCK is made effective by using the activator.

|          |          |               |
|----------|----------|---------------|
| ▶ 60 ml  | ▶ 200 ml | ▶ 1 L         |
| 10055677 | 10021433 | 10007773      |
| Pen      | Spray    | Aluminium can |



## Dosing Tip

For exact, economic and point-to-point applications of WEICONLOCK.

10001256  
Dosing tip Type L  
Size 1



VIDEO



# WEICON Pen-System



- ▶ facilitates the work of your employees thanks to its easy handling and ensures a flawless application
- ▶ comfortable use like a pen, which allows flawless, safe and precise dispensing of the adhesives and sealants
- ▶ resource-saving processing

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

**AN 301-43**



Certified to NSF/ANSI 61



**Threadlocking | classified as non-hazardous | drinking water approval and DVGW approval**

- ▶ higher viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

▶ 20 ml 10026819    ▶ 50 ml 10026814    ▶ 200 ml 10026817



**AN 301-70**



Certified to NSF/ANSI 61

**Threadlocking | classified as non-hazardous | drinking water approval**

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 20 ml 10026829    ▶ 50 ml 10026826    ▶ 200 ml 10026827



**AN 302-21**

**Threadlocking | vibration-proof | classified as non-hazardous**

- ▶ low viscosity
- ▶ low strength
- ▶ easy disassembly

▶ 20 ml 10016416    ▶ 50 ml 10017871    ▶ 200 ml 10019881



**AN 302-22**

**Threadlocking | vibration-proof | classified as non-hazardous**

- ▶ medium viscosity
- ▶ low strength
- ▶ easy disassembly

▶ 20 ml 10019885    ▶ 50 ml 10017872    ▶ 200 ml 10019889



**AN 302-40**



**Threadlocking | vibration-proof | DVGW approval | classified as non-hazardous**

- ▶ medium viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

▶ 20 ml 10019895    ▶ 50 ml 10019923    ▶ 200 ml 10019961





# WEICONLOCK® Threadlocking



Adhesives / Sealants

## AN 302-41

Threadlocking | vibration-proof

- ▶ low viscosity
- ▶ medium strength
- ▶ easy disassembly

▶ 20 ml    ▶ 50 ml    ▶ 200 ml  
10017318    10017873    10019964



## AN 302-42

Threadlocking | drinking water approval

- ▶ medium viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

▶ 20 ml    ▶ 50 ml    ▶ 200 ml  
10017324    10017874    10019966



## AN 302-43

Threadlocking | DVGW and drinking water approval

- ▶ higher viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

▶ 10 ml    ▶ 20 ml    ▶ 50 ml    ▶ 200 ml  
10030474    10016419    10017876    10019968



## AN 302-44

Threadlocking for passive materials\* | DVGW and drinking water approval

- ▶ higher viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

▶ 20 ml    ▶ 50 ml    ▶ 200 ml  
10037361    10037167    10037363



Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

\* Passive materials: (slow curing)

- ▶ high-alloyed steel
- ▶ aluminium, nickel, zinc, gold
- ▶ oxid layers
- ▶ chromate layers
- ▶ anodic coatings
- ▶ plastics and ceramics



**AN 302-50**

**Locking of threads and stud bolts**

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble



- ▶ 20 ml 10019897
- ▶ 50 ml 10019929
- ▶ 200 ml 10019972

**AN 302-60**

**Threadlocking for passive materials\* | drinking water approval**



- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble



- ▶ 20 ml 10016436
- ▶ 50 ml 10017878
- ▶ 200 ml 10019974

**AN 302-62**

**Threadlocking**

- ▶ higher viscosity
- ▶ strong
- ▶ hard to disassemble



- ▶ 20 ml 10019899
- ▶ 50 ml 10017881
- ▶ 200 ml 10019976

**AN 302-71**

**Locking of threads and stud bolts**

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble



- ▶ 20 ml 10017326
- ▶ 50 ml 10017886
- ▶ 200 ml 10019980

**AN 302-70**



**Locking of threads and stud bolts | drinking water and DVGW approval**

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble



- ▶ 10 ml 10030476
- ▶ 20 ml 10016421
- ▶ 50 ml 10017884
- ▶ 200 ml 10019978

\* **Passive materials:**  
(slow curing)

- ▶ high-alloyed steel
- ▶ aluminium, nickel, zinc, gold
- ▶ oxid layers
- ▶ chromate layers
- ▶ anodic coatings
- ▶ plastics and ceramics



# WEICONLOCK® Threadlocking



Due to its low viscosity and high capillary action, it penetrates the thread interstices, without the connection having to be loosened beforehand. Ideal for pre-assembled screw connections.

## AN 302-72



Locking of threads and stud bolts | high-temperature-resistant | DVGW- and drinking water approval

- ▶ higher viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 20 ml 10019901
- ▶ 50 ml 10017889
- ▶ 200 ml 10019982



## AN 302-90

Threadlocking | for subsequent locking and sealing of hairline cracks

- ▶ extremely low viscosity
- ▶ high capillary action
- ▶ high strength
- ▶ hard to disassemble

- ▶ 20 ml 10019905
- ▶ 50 ml 10017891
- ▶ 200 ml 10019993



## Technical Data

| Type-No.  | Colour      | For threaded joints up to | Viscosity at +25°C (+77°F) Brookfield | Gap filling capacity max. | Breakaway strength (Thread) | Prevailing strength (Thread) | Shear strength N/mm² (DIN 54452)  | Handling strength at room temperature | Final strength at room temperature | Temperature resistance        |
|-----------|-------------|---------------------------|---------------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------------|---------------------------------------|------------------------------------|-------------------------------|
| AN 301-43 | blue        | M 36                      | 2,000 - 8,000 mPa·s                   | 0.25 mm                   | 18 - 22 Nm                  | 9 - 11 Nm                    | 10 - 13 N/mm² (1,450 - 1,885 psi) | 5 - 15 min.                           | 1 - 3 h                            | -60 to +150°C (-76 to +302°F) |
| AN 301-70 | green       | M 25                      | 500 - 900 mPa·s                       | 0.15 mm                   | 25 - 35 Nm                  | 40 - 50 Nm                   | 14 - 20 N/mm² (2,030 - 2,900 psi) | 5 - 15 min.                           | 5 - 10 h                           | -60 to +150°C (-76 to +302°F) |
| AN 302-21 | violet      | M 12                      | 125 mPa·s                             | 0.10 mm                   | 7 - 10 Nm                   | 3 - 6 Nm                     | 4 - 7 N/mm² (580 - 1,115 psi)     | 10 - 20 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-22 | purple      | M 36                      | 1,000 mPa·s                           | 0.20 mm                   | 4 - 8 Nm                    | 2 - 4 Nm                     | 3 - 5 N/mm² (435 - 725 psi)       | 10 - 20 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-40 | transparent | M 20 R 3/4"               | 600 mPa·s                             | 0.15 mm                   | 12 - 16 Nm                  | 18 - 24 Nm                   | 8 - 12 N/mm² (1,160 - 1,740 psi)  | 10 - 20 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-41 | blue        | M 12                      | 125 mPa·s                             | 0.10 mm                   | 10 - 15 Nm                  | 12 - 16 Nm                   | 8 - 12 N/mm² (1,160 - 1,740 psi)  | 10 - 20 min.                          | approx. 3 h                        | -60 to +150°C (-76 to +302°F) |
| AN 302-42 | blue        | M 36                      | 1,000 mPa·s                           | 0.20 mm                   | 14 - 18 Nm                  | 5 - 8 Nm                     | 8 - 12 N/mm² (1,160 - 1,740 psi)  | 10 - 20 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-43 | blue        | M 36                      | 2,000 - 7,000 mPa·s                   | 0.25 mm                   | 17 - 22 Nm                  | 8 - 12 Nm                    | 9 - 13 N/mm² (1,305 - 1,885 psi)  | 10 - 20 min.                          | 1 - 3 h                            | -60 to +200°C (-76 to +392°F) |
| AN 302-44 | blue        | M 36                      | 3,000 - 8,000 mPa·s                   | 0.25 mm                   | 17 - 22 Nm                  | 8 - 12 Nm                    | 9 - 13 N/mm² (1,305 - 1,885 psi)  | 10 - 20 min.                          | 1 - 3 h                            | -60 to +200°C (-76 to +392°F) |
| AN 302-50 | transparent | M 20 R 3/4"               | 500 mPa·s                             | 0.15 mm                   | 30 - 35 Nm                  | 55 - 70 Nm                   | 25 - 35 N/mm² (3,625 - 5,075 psi) | 2 - 5 min.                            | 2 - 4 h                            | -60 to +175°C (-76 to +347°F) |
| AN 302-60 | green       | M 20 R 3/4"               | 700 - 1,000 mPa·s                     | 0.15 mm                   | 30 - 35 Nm                  | 55 - 70 Nm                   | 25 - 35 N/mm² (3,625 - 5,075 psi) | 2 - 5 min.                            | 2 - 4 h                            | -60 to +180°C (-76 to +356°F) |
| AN 302-62 | red         | M 36                      | 1,500 - 6,500 mPa·s                   | 0.25 mm                   | 20 - 25 Nm                  | 40 - 55 Nm                   | 10 - 15 N/mm² (1,450 - 2,175 psi) | 10 - 20 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-70 | green       | M 20 R 3/4"               | 500 mPa·s                             | 0.15 mm                   | 28 - 35 Nm                  | 50 - 65 Nm                   | 15 - 20 N/mm² (2,175 - 2,900 psi) | 10 - 20 min.                          | 3 - 6 h                            | -60 to +200°C (-76 to +392°F) |
| AN 302-71 | red         | M 20 R 3/4"               | 500 mPa·s                             | 0.15 mm                   | 28 - 35 Nm                  | 50 - 65 Nm                   | 15 - 20 N/mm² (2,175 - 2,900 psi) | 10 - 20 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-72 | red         | M 56 R 2"                 | 6,000 - 15,000 mPa·s                  | 0.30 mm                   | 20 - 30 Nm                  | 40 - 75 Nm                   | 10 - 15 N/mm² (1,450 - 2,175 psi) | 20 - 40 min.                          | 5 - 10 h                           | -60 to +230°C (-76 to +446°F) |
| AN 302-90 | green       | M 5 capillary             | 10 - 20 mPa·s                         | 0.07 mm                   | 15 - 25 Nm                  | 30 - 40 Nm                   | 8 - 12 N/mm² (1,160 - 1,740 psi)  | 5 - 20 min.                           | approx. 3 h                        | -60 to +150°C (-76 to +302°F) |

\* Strength measured on V4A stainless steel screws



30 ml e  
Art.-No. 30165150

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



AN 301-65

**AN 301-65**



Pipe and flange sealing with PTFE | classified as non-hazardous | drinking water approval

- ▶ high viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 50 ml 10031782
- ▶ 200 ml 10031783
- ▶ 300 ml 10034139



**AN 301-72**



Pipe and flange sealing with PTFE | classified as non-hazardous | high-temperature-resistant | drinking water and DVGW approval

- ▶ higher viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 50 ml 10026836
- ▶ 200 ml 10026840
- ▶ 300 ml 10047470



**AN 302-25**

Pipe and thread sealing | vibration-proof for coarse threads

- ▶ high viscosity
- ▶ low strength
- ▶ easy disassembly

- ▶ 50 ml 10019891
- ▶ 200 ml 10019893



**AN 302-75**

Pipe and thread sealing | BAM\*

- ▶ high viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 50 ml 10019933
- ▶ 200 ml 10019987



**AN 302-45**



Pipe and thread sealing for coarse threads | DVGW approval

- ▶ high viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 50 ml 10019925
- ▶ 200 ml 10019970



\* according to leaflet M 034-1 "List of nonmetallic materials compatible with oxygen" (DGV information 213-075) of BG RCI

\*\* **Passive materials:** (slow curing)

- ▶ high-alloyed steel
- ▶ aluminium, nickel, zinc, gold
- ▶ oxide layers
- ▶ chromate layers
- ▶ anodic coatings
- ▶ plastics and ceramics



# WEICONLOCK® Pipe and Thread Sealing



## AN 302-80



Pipe and thread sealing for passive materials\*\* | drinking water approval

- ▶ higher viscosity
- ▶ high strength
- ▶ hard to disassemble



- ▶ 20 ml 10019903
- ▶ 50 ml 10017875
- ▶ 200 ml 10019991



## AN 305-11



Pipe and thread sealing | DVGW and drinking water approval

- ▶ higher viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 50 ml 10019939
- ▶ 200 ml 10019997
- ▶ 300 ml 10023823



## AN 302-77

Pipe and thread sealing for large thread parts and flanges

- ▶ higher viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 50 ml 10019935
- ▶ 200 ml 10019989



## SI 303-31



Nonfood Compounds Program Listed S2 Registration 157190



Pipe and thread sealing | ISEGA-certified | drinking water approval | NSF approval

- ▶ high viscosity
- ▶ low strength
- ▶ easy disassembly

- ▶ 85 ml 10050555 Tube
- Tested by the Ruhr Region Institute of Hygiene ("Hygiene-Institut des Ruhrgebiets") according to the Guideline for Hygienic Assessment of Organic Materials in Contact with Drinking Water (KTW Guideline) by the Federal Environmental Agency of Germany.



### Technical Data

| Colour | For threaded joints up to | Gap filling capacity max. | Breakaway strength Nm (Thread) | Prevailing strength Nm (Thread) | Shear strength N/mm² (DIN 54452) | Handling strength at room temperature | Final strength at room temperature | Temperature resistance |
|--------|---------------------------|---------------------------|--------------------------------|---------------------------------|----------------------------------|---------------------------------------|------------------------------------|------------------------|
| white  | M 80 R 3"                 | 0.50 mm                   | < 1.5                          | < 0.5                           | < 1                              | 24 h                                  | 3 days                             | -40 to +180°C          |

AN 305-72



\* according to leaflet M 034-1 "List of non-metallic materials compatible with oxygen" (DGUV information 213-075) of BG RCI

- \*\* **Passive materials:** (slow curing)
- ▶ high-alloyed steel
  - ▶ aluminium, nickel, zinc, gold
  - ▶ oxide layers
  - ▶ chromate layers
  - ▶ anodic coatings
  - ▶ plastics and ceramics

VIDEO



**AN 305-42**



Hydraulic and pneumatic sealing | DVGW approval

- ▶ medium viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 20 ml 10016437
- ▶ 50 ml 10017877
- ▶ 200 ml 10020001



VIDEO

**AN 305-72**



Pipe and flange sealing (with PTFE) | immediate sealing effect | drinking water and DVGW approval

- ▶ high viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 50 ml 10019943
- ▶ 200 ml 10020003
- ▶ 300 ml 10026707



**AN 305-67**

Pipe and flange sealing with PTFE | gap filling capacity max. 0,60 mm

- ▶ high viscosity
- ▶ low strength
- ▶ easy disassembly

- ▶ 50 ml 10032101
- ▶ 200 ml 10033883
- ▶ 300 ml 10034144



**AN 305-77**



Nonfood Compounds Program Listed S2 Registration 159910

Thread sealing | drinking water and DVGW approval | BAM\*

- ▶ high viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 50 ml 10019949
- ▶ 200 ml 10020011
- ▶ 300 ml 10034148



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other



# WEICONLOCK® Pipe and Thread Sealing



Display  
WEICONLOCK® 50 ml  
10031336

## AN 305-78



Pipe and thread sealing for passive materials\*\* | drinking water and DVGW approval | BAM\*

- ▶ high viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

▶ 50 ml    ▶ 200 ml  
10037168    10037366



## AN 305-86

Pipe sealing | extra strong

- ▶ higher viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 20 ml    ▶ 50 ml    ▶ 200 ml  
10019907    10017879    10020013



### Technical Data

| Type-No.  | Colour | For threaded joints up to | Viscosity at +25°C (+77°F) Brookfield | Gap filling capacity max. | Breakaway strength (Thread) | Prevailing strength (Thread) | Shear strength N/mm² (DIN 54452)  | Handling strength at room temperature | Final strength at room temperature | Temperature resistance        |
|-----------|--------|---------------------------|---------------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------------|---------------------------------------|------------------------------------|-------------------------------|
| AN 301-65 | white  | M 80 R 3"                 | 180,000 - 300,000 mPa·s               | 0.50 mm                   | 4 - 8 Nm                    | 1 - 3 Nm                     | 2 - 6 N/mm² (290 - 870 psi)       | 10 - 20 min.                          | 24 h                               | -60 to +150°C (-76 to +302°F) |
| AN 301-72 | white  | M 80 R 3"                 | 15,000 - 60,000 mPa·s                 | 0.30 mm                   | 5 - 10 Nm                   | 4 - 6 Nm                     | 5 - 7 N/mm² (725 - 1,015 psi)     | 15 - 30 min.                          | 6 - 12 h                           | -60 to +200°C (-76 to +392°F) |
| AN 302-25 | brown  | M 80 R 3"                 | 6,000 - 30,000 mPa·s                  | 0.30 mm                   | 5 - 8 Nm                    | 2 - 4 Nm                     | 3 - 5 N/mm² (435 - 725 psi)       | 15 - 30 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-45 | blue   | M 80 R 3"                 | 6,000 - 30,000 mPa·s                  | 0.30 mm                   | 10 - 15 Nm                  | 12 - 18 Nm                   | 8 - 12 N/mm² (1,160 - 1,740 psi)  | 15 - 30 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-75 | green  | M 80 R 3"                 | 14,000 - 24,000 mPa·s                 | 0.30 mm                   | 40 - 50 Nm                  | 40 - 50 Nm                   | 15 - 25 N/mm² (2,175 - 3,625 psi) | 15 - 30 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 302-77 | red    | M 36                      | 6,000 mPa·s                           | 0.25 mm                   | 30 - 40 Nm                  | 10 - 15 Nm                   | 35 - 45 N/mm² (5,075 - 6,525 psi) | 40 - 60 min.                          | 6 - 12 h                           | -60 to +150°C (-76 to +302°F) |
| AN 302-80 | green  | M 36                      | 3,000 - 6,000 mPa·s                   | 0.20 mm                   | 35 - 45 Nm<br>15 - 20 Nm*   | 50 - 70 Nm<br>25 - 35 Nm*    | 20 - 30 N/mm² (2,900 - 4,350 psi) | 2 - 5 min.<br>5 - 10 min.*            | 2 - 4 h<br>6 - 12 h*               | -60 to +200°C (-76 to +392°F) |
| AN 305-11 | white  | M 80 R 3"                 | 17,000 - 50,000 mPa·s                 | 0.40 mm                   | 7 - 10 Nm                   | 2 - 4 Nm                     | 4 - 6 N/mm² (580 - 870 psi)       | 20 - 40 min.                          | 5 - 10 h                           | -60 to +150°C (-76 to +302°F) |
| AN 305-42 | brown  | M 20 R 3/4"               | 500 mPa·s                             | 0.15 mm                   | 12 - 15 Nm                  | 18 - 22 Nm                   | 8 - 12 N/mm² (1,160 - 1,740 psi)  | 10 - 20 min.                          | 2 - 4 h                            | -60 to +150°C (-76 to +302°F) |
| AN 305-67 | white  | M 80 R 3"                 | 170,000 - 410,000 mPa·s               | 0.60 mm                   | 3 - 5 Nm                    | 2 - 4 Nm                     | 6 - 8 N/mm² (870 - 1,160 psi)     | 120 - 240 min.                        | 24 - 72 h                          | -50 to +175°C (-58 to +347°F) |
| AN 305-72 | white  | M 80 R 3"                 | 17,000 - 50,000 mPa·s                 | 0.40 mm                   | 7 - 10 Nm                   | 2 - 4 Nm                     | 4 - 6 N/mm² (580 - 870 psi)       | 20 - 40 min.                          | 5 - 10 h                           | -60 to +150°C (-76 to +302°F) |
| AN 305-77 | yellow | M 80 R 3"                 | 24,000 - 70,000 mPa·s                 | 0.50 mm                   | 18 - 22 Nm                  | 10 - 14 Nm                   | 6 - 13 N/mm² (870 - 1,885 psi)    | 15 - 30 min.                          | 1 - 3 h                            | -60 to +150°C (-76 to +302°F) |
| AN 305-78 | yellow | M 80 R 3"                 | 50,000 - 80,000 mPa·s                 | 0.50 mm                   | 18 - 22 Nm<br>11 - 16 Nm*   | 10 - 14 Nm<br>4 - 7 Nm*      | 6 - 13 N/mm² (870 - 1,885 psi)    | 15 - 30 min.<br>25 - 50 min.*         | 1 - 3 h<br>4 - 8 h*                | -60 to +150°C (-76 to +302°F) |
| AN 305-86 | red    | M 56 R 2"                 | 6,000 - 7,000 mPa·s                   | 0.30 mm                   | 15 - 30 Nm                  | 25 - 45 Nm                   | 10 - 20 N/mm² (1,450 - 2,900 psi) | 60 - 90 min.                          | 12 - 24 h                          | -60 to +150°C (-76 to +302°F) |

\*Strength measured on V4A stainless steel screws

**AN 301-38**



Retaining cylindrical assemblies for bearings, shafts and bushings | drinking water approval

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 20 ml **10026852**
- ▶ 50 ml **10026846**
- ▶ 200 ml **10026847**



**AN 301-48**



Retaining cylindrical assemblies for bearings, shafts and bushings | high-temperature-resistant | drinking water and DVGW approval

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 20 ml **10026859**
- ▶ 50 ml **10026856**
- ▶ 200 ml **10026857**



**AN 306-01**

Retaining cylindrical assemblies for bearings | shafts and bushings

- ▶ low viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 20 ml **10020045**
- ▶ 50 ml **10017880**
- ▶ 200 ml **10020017**





# Retaining Cylindrical Assemblies

## AN 306-03

Retaining cylindrical assemblies for bearings, shafts and bushings

- ▶ low viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 20 ml 10020047 ▶ 50 ml 10017882 ▶ 200 ml 10020019



## AN 306-10

Retaining cylindrical assemblies for passive materials\*\* | drinking water approval

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 20 ml 10019911 ▶ 50 ml 10017883 ▶ 200 ml 10020021



## AN 306-20

Retaining cylindrical assemblies | high-temperature-resistant | drinking water and DVGW approval | BAM\*

- ▶ higher viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 20 ml 10017330 ▶ 50 ml 10017885 ▶ 200 ml 10020023



Display WEICONLOCK® 20 ml

10031730



## AN 306-30

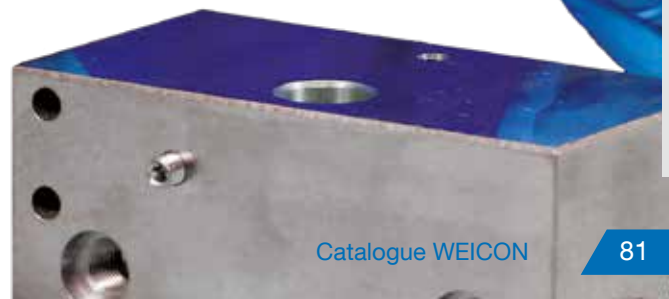
Retaining cylindrical assemblies for passive materials\*\* | BAM\* | drinking water approval

- ▶ higher viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 20 ml 10016438 ▶ 50 ml 10017887 ▶ 200 ml 10020025



VIDEO



\* according to leaflet M 034-1 "List of non-metallic materials compatible with oxygen" (DGUV information 213-075) of BG RCI

\*\* Passive materials: (slow curing)

- ▶ high-alloyed steel
- ▶ aluminium, nickel, zinc, gold
- ▶ oxide layers
- ▶ chromate layers
- ▶ anodic coatings
- ▶ plastics and ceramics



**Display**  
**WEICONLOCK® PEN**  
50,5 cm x 221cm  
10029306



**AN 306-38**



Retaining cylindrical assemblies for bearings, gear wheels and bolts | fast-curing | drinking water approval

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 10 ml    ▶ 20 ml    ▶ 50 ml    ▶ 200 ml
- 10030478    10016443    10017888    10020027



**AN 306-40**

Retaining cylindrical assemblies | high-temperature-resistant | slow cure

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble

- ▶ 20 ml    ▶ 50 ml    ▶ 200 ml
- 10020049    10017890    10020031



**AN 306-41**

Retaining cylindrical assemblies for bearings, shafts and bushings

- ▶ medium viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

- ▶ 20 ml    ▶ 50 ml    ▶ 200 ml
- 10020029    10017892    10020033





# Retaining Cylindrical Assemblies


**AN 306-60**

Assembly of cylindrical parts for worn out bearing rings and bushings

- ▶ high viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 50 ml    ▶ 200 ml  
**10019955    10020040**


**AN 306-48**


Retaining cylindrical assemblies | high-temperature-resistant | drinking water approval | BAM\*

- ▶ medium viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 20 ml    ▶ 50 ml    ▶ 200 ml  
**10016442    10017893    10020035**



\* according to leaflet M 034-1 "List of non-metallic materials compatible with oxygen" (DGUV information 213-075) of BG RCI

**Technical Data**

| Type-No.  | Colour | For threaded joints up to | Viscosity at +25°C (+77°F) Brookfield | Gap filling capacity max. | Breakaway strength (Thread) | Prevailing strength (Thread) | Shear strength N/mm² (DIN 54452)  | Handling strength at room temperature | Final strength at room temperature | Temperature resistance        |
|-----------|--------|---------------------------|---------------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------------|---------------------------------------|------------------------------------|-------------------------------|
| AN 301-38 | green  | M 36                      | 2,000 - 3,000 mPa.s                   | 0.20 mm                   | 30 - 40 Nm                  | 45 - 60 Nm                   | 20 - 25 N/mm² (2,900 - 3,625 psi) | approx. 5 min.                        | 2 - 4 h                            | -60 to +150°C (-76 to +302°F) |
| AN 301-48 | green  | M 20 R 3/4"               | 450 - 650 mPa.s                       | 0.15 mm                   | 25 - 30 Nm                  | 40 - 55 Nm                   | 25 - 30 N/mm² (3,625 - 4,350 psi) | 2 - 6 min.                            | 2 - 4 h                            | -60 to +175°C (-76 to +347°F) |
| AN 306-01 | green  | M 12                      | 125 mPa.s                             | 0.10 mm                   | 25 - 30 Nm                  | 50 - 60 Nm                   | 14 - 20 N/mm² (2,030 - 2,900 psi) | 10 - 20 min.                          | 2 - 4 h                            | -60 to +150°C (-76 to +302°F) |
| AN 306-03 | green  | M 12                      | 125 mPa.s                             | 0.10 mm                   | 25 - 30 Nm                  | 50 - 60 Nm                   | 15 - 18 N/mm² (2,175 - 2,610 psi) | 10 - 20 min.                          | 2 - 4 h                            | -60 to +150°C (-76 to +302°F) |
| AN 306-10 | green  | M 20 R 3/4"               | 700 - 1,000 mPa.s                     | 0.15 mm                   | 30 - 35 Nm<br>15 - 20 Nm*   | 55 - 70 Nm<br>30 - 35 Nm*    | 25 - 35 N/mm² (3,625 - 5,075 psi) | 2 - 5 min.<br>5 - 10 min.*            | 2 - 4 h<br>6 - 12 h*               | -60 to +200°C (-76 to +392°F) |
| AN 306-20 | green  | M 56 R 2"                 | 3,000 - 6,000 mPa.s                   | 0.20 mm                   | 28 - 36 Nm                  | 40 - 55 Nm                   | 15 - 25 N/mm² (2,175 - 3,625 psi) | 20 - 40 min.                          | approx. 24 h                       | -60 to +200°C (-76 to +392°F) |
| AN 306-30 | green  | M 36                      | 3,000 - 6,000 mPa.s                   | 0.20 mm                   | 35 - 45 Nm<br>15 - 20 Nm*   | 50 - 70 Nm<br>25 - 35 Nm*    | 20 - 30 N/mm² (2,900 - 4,350 psi) | 2 - 5 min.<br>5 - 10 min.*            | 2 - 4 h<br>2 - 4 h*                | -60 to +200°C (-76 to +392°F) |
| AN 306-38 | green  | M 36                      | 2,500 mPa.s                           | 0.20 mm                   | 35 - 45 Nm                  | 50 - 70 Nm                   | 25 - 30 N/mm² (3,625 - 4,350 psi) | approx. 5 min.                        | 1 - 3 h                            | -60 to +150°C (-76 to +302°F) |
| AN 306-40 | green  | M 20 R 3/4"               | 600 mPa.s                             | 0.15 mm                   | 20 - 30 Nm                  | 30 - 40 Nm                   | 15 - 30 N/mm² (2,175 - 4,350 psi) | approx. 240 min.                      | approx. 24 h                       | -60 to +200°C (-76 to +392°F) |
| AN 306-41 | yellow | M 20 R 3/4"               | 550 mPa.s                             | 0.12 mm                   | 12 - 15 Nm                  | 17 - 22 Nm                   | 8 - 12 N/mm² (1,160 - 1,740 psi)  | 10 - 20 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |
| AN 306-48 | green  | M 20 R 3/4"               | 550 mPa.s                             | 0.15 mm                   | 30 - 35 Nm                  | 55 - 70 Nm                   | 25 - 35 N/mm² (3,625 - 5,075 psi) | approx. 5 min.                        | 2 - 4 h                            | -60 to +175°C (-76 to +347°F) |
| AN 306-60 | silver | M 56 R 2"                 | 150,000 - 900,000 mPa.s               | 0.50 mm                   | 35 - 45 Nm                  | 10 - 20 Nm                   | 25 - 30 N/mm² (3,625 - 4,350 psi) | 15 - 30 min.                          | 3 - 6 h                            | -60 to +150°C (-76 to +302°F) |

\*Strength measured on V4A stainless steel screws

 Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



**AN 301-65**



Pipe and flange sealing with PTFE | classified as non-hazardous | drinking water approval

- ▶ high viscosity
- ▶ medium strength
- ▶ disassembly with normal tools pproval

▶ 50 ml    ▶ 200 ml    ▶ 300 ml  
10031782    10031783    10034139



**AN 301-72**



Pipe and flange sealing with PTFE | classified as non-hazardous | high- temperature-resistant | drinking water and DVGW approval

- ▶ higher viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

▶ 50 ml    ▶ 200 ml    ▶ 300 ml  
10026836    10026840    10047470



**AN 305-10**



Gasketing of flanges | high-temperature-resistant | BAM\*

- ▶ high viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 50 ml    ▶ 200 ml    ▶ 300 ml  
10019937    10019995    10002596



**AN 305-18**



Flange sealing for filling large gaps immediate sealing effect | high-temperature-resistant

- ▶ high viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 50 ml    ▶ 200 ml    ▶ 300 ml  
10019941    10019999    10019591



**AN 305-67**

Pipe and flange sealing with PTFE | gap filling capacity max. 0.60 mm

- ▶ high viscosity
- ▶ low strength
- ▶ easy disassembly

▶ 50 ml    ▶ 200 ml  
10032101    10033883



\* according to leaflet M 034-1 "List of non-metallic materials compatible with oxygen" (DGUV information 213-075) of BG RCI



# Flange Sealing and Gasketing

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

## AN 305-72



Pipe and flange sealing with PTFE | immediate sealing effect | drinking water and DVGW approval

- ▶ high viscosity
- ▶ medium strength
- ▶ disassembly with normal tools

▶ 50 ml 10019943   ▶ 200 ml 10020003   ▶ 300 ml 10026707



## AN 305-73

Gasketing of flanges, gearboxes and other motor housings

- ▶ high viscosity
- ▶ low strength
- ▶ easy disassembly

▶ 50 ml 10019945   ▶ 200 ml 10020005   ▶ 300 ml 10031472



## AN 305-74

Gasketing of flanges, gearboxes and other motor housings

- ▶ high viscosity
- ▶ high strength
- ▶ hard to disassemble

▶ 50 ml 10019947   ▶ 200 ml 10020009   ▶ 300 ml 10034146



### Technical data

| Type-No.  | Colour      | For threaded joints up to | Viscosity at +25°C (+77°F) Brookfield | Gap filling capacity max. | Breakaway strength (Thread) | Prevailing strength (Thread) | Shear strength N/mm² (DIN 54452) | Handling strength at room temperature | Final strength at room temperature | Temperature resistance        |
|-----------|-------------|---------------------------|---------------------------------------|---------------------------|-----------------------------|------------------------------|----------------------------------|---------------------------------------|------------------------------------|-------------------------------|
| AN 301-65 | white       | M 80 R 3"                 | 180,000 - 300,000 mPa.s               | 0.50 mm                   | 4 - 8 Nm                    | 1 - 3 Nm                     | 2 - 6 N/mm² (290 - 870 psi)      | 10 - 20 min.                          | 24 h                               | -60 to +150°C (-76 to +302°F) |
| AN 301-72 | white       | M 80 R 3"                 | 15,000 - 60,000 mPa.s                 | 0.30 mm                   | 5 - 10 Nm                   | 4 - 6 Nm                     | 5 - 7 N/mm² (725 - 1,015 psi)    | 15 - 30 min.                          | 6 - 12 h                           | -60 to +200°C (-76 to +392°F) |
| AN 305-10 | orange      | ---                       | 70,000 - 300,000 mPa.s                | 0.50 mm                   | 18 - 25 Nm                  | 15 - 25 Nm                   | 5 - 10 N/mm² (725 - 1,450 psi)   | 15 - 30 min.                          | 6 - 12 h                           | -60 to +200°C (-76 to +392°F) |
| AN 305-18 | red         | ---                       | 80,000 - 500,000 mPa.s                | 0.50 mm                   | 12 - 18 Nm                  | 18 - 24 Nm                   | 8 - 13 N/mm² (1,160 - 1,885 psi) | 10 - 20 min.                          | 3 - 6 h                            | -60 to +200°C (-76 to +392°F) |
| AN 305-67 | white       | M 80 R 3"                 | 170,000 - 410,000 mPa.s               | 0.60 mm                   | 3 - 5 Nm                    | 2 - 4 Nm                     | 6 - 8 N/mm² (870 - 1,160 psi)    | 120 - 240 min.                        | 24 - 72 h                          | -50 to +175°C (-58 to +347°F) |
| AN 305-72 | white       | M 80 R 3"                 | 17,000 - 50,000 mPa.s                 | 0.40 mm                   | 7 - 10 Nm                   | 2 - 4 Nm                     | 4 - 6 N/mm² (580 - 870 psi)      | 20 - 40 min.                          | 5 - 10 h                           | -60 to +150°C (-76 to +302°F) |
| AN 305-73 | light green | ---                       | 17,000 - 50,000 mPa.s                 | 0.30 mm                   | 6 - 10 Nm                   | 2 - 5 Nm                     | 4 - 6 N/mm² (580 - 870 psi)      | 20 - 40 min.                          | approx. 12 h                       | -60 to +150°C (-76 to +302°F) |
| AN 305-74 | orange      | ---                       | 30,000 - 100,000 mPa.s                | 0.50 mm                   | 16 - 24 Nm                  | 5 - 10 Nm                    | 5 - 10 N/mm² (725 - 1,450 psi)   | 15 - 30 min.                          | approx. 12 h                       | -60 to +180°C (-76 to +356°F) |

| Type-No.      | Application  | Features                              | Colour      | For threaded joints up to | Viscosity in mPa.s at +25°C (67°F) Brookfield | Gap filling capacity in mm max. | Breakaway strength N/m (Thread <sup>1</sup> ) | Prevailing strength N/m (Thread <sup>1</sup> ) | Shear strength** N/mm <sup>2</sup> (DIN 54452) | Handling strength at room temp. (minute) | Final strength at room temperature (hours) | Temperature resistance            |
|---------------|--|---------------------------------------|-------------|---------------------------|---|---------------------------------|---|--|--|--|--|-----------------------------------|
| AN 301-43 NSF | Threadlocking, drinking water and DVGW <sup>2</sup> approval                       | medium strength higher viscosity      | blue        | M 36                      | 2,000 - 8,000 mt                              | 0.25                            | 18 - 22                                       | 9 - 11   | 10 - 13 (1,450 - 1,885 psi)                    | 5 - 15                                   | 1 - 3                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 301-70 NSF | Threadlocking, drinking water approval   | high strength medium viscosity        | green       | M 25                      | 500 - 900 nt                                  | 0.15                            | 25 - 35                                       | 40 - 50  | 14 - 20 (2,030 - 2,900 psi)                    | 5 - 15                                   | 5 - 10                                     | -60°C to +150°C (-76°F to +302°F) |
| AN 302-21     | Threadlocking  | low strength low viscosity            | violet      | M 12                      | 125   | 0.10                            | 7 - 10  | 3 - 6  | 4 - 7 (580 - 1,015 psi)                        | 10 - 20                                  | 3 - 6                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 302-22     | Threadlocking  | low strength medium viscosity         | purple      | M 36                      | 1,000 mt                                      | 0.20                            | 4 - 8   | 2 - 4  | 3 - 5 (435 - 725 psi)                          | 10 - 20                                  | 3 - 6                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 302-40     | Threadlocking, DVGW <sup>2</sup> approval  | medium strength medium viscosity      | transparent | M 20 R ¾"                 | 600 nt  | 0.15                            | 12 - 16                                       | 18 - 24  | 8 - 12 (1,160 - 1,740 psi)                     | 10 - 20                                  | 3 - 6                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 302-41     | Threadlocking  | medium strength low viscosity         | blue        | M 12                      | 125 nt  | 0.10                            | 10 - 15                                       | 12 - 16  | 8 - 12 (1,160 - 1,740 psi)                     | 10 - 20                                  | approx. 3                                  | -60°C to +150°C (-76°F to +302°F) |
| AN 302-42     | Threadlocking, drinking water approval   | medium strength medium viscosity      | blue        | M 36                      | 1,000 mt                                      | 0.20                            | 14 - 18                                       | 5 - 8  | 8 - 12 (1,160 - 1,740 psi)                     | 10 - 20                                  | 3 - 6                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 302-43 NSF | Threadlocking, drinking water and DVGW <sup>2</sup> approval                       | medium strength higher viscosity      | blue        | M 36                      | 2,000 - 7,000 mt                              | 0.25                            | 17 - 22                                       | 8 - 12   | 9 - 13 (1,305 - 1,885 psi)                     | 10 - 20                                  | 1 - 3                                      | -60°C to +200°C (-76°F to +392°F) |
| AN 302-44     | Threadlocking for passive materials, drinking water and DVGW <sup>2</sup> approval | medium strength higher viscosity      | blue        | M 36                      | 3,000 - 8,000 mt                              | 0.25                            | 17 - 22                                       | 8 - 12   | 9 - 13 (1,305 - 1,885 psi)                     | 10 - 20                                  | 1 - 3                                      | -60°C to +200°C (-76°F to +392°F) |
|               |  |                                       |             |                           |   |                                 | 8 - 12 <sup>2</sup>                           | 5 - 8 <sup>2</sup>                             |  | 20 - 40 <sup>2</sup>                     | 4 - 8 <sup>2</sup>                         |                                   |
| AN 302-50     | Threadlocking  | high strength medium viscosity        | transparent | M 20 R ¾"                 | 500 nt  | 0.15                            | 30 - 35                                       | 55 - 70  | 25 - 35 (3,625 - 5,075 psi)                    | 2 - 5                                    | 2 - 4                                      | -60°C to +175°C (-76°F to +347°F) |
| AN 302-60     | Threadlocking for passive materials  | high strength medium viscosity        | green       | M 20 R ¾"                 | 700 - 1,000 nt                                | 0.15                            | 30 - 35                                       | 55 - 70  | 25 - 35 (3,625 - 5,075 psi)                    | 2 - 5                                    | 2 - 4                                      | -60°C to +200°C (-76°F to +392°F) |
|               |  |                                       |             |                           |   |                                 | 15 - 20 <sup>2</sup>                          | 30 - 35 <sup>2</sup>                           |  | 5 - 10 <sup>2</sup>                      | 6 - 12 <sup>2</sup>                        |                                   |
| AN 302-62     | Threadlocking  | strong higher viscosity               | red         | M 36                      | 1,500 - 6,500 mt                              | 0.25                            | 20 - 25                                       | 40 - 55  | 10 - 15 (1,450 - 2,175 psi)                    | 10 - 20                                  | 3 - 6                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 302-70     | Locking of threads and stud bolts, drinking water and DVGW <sup>2</sup> approval   | high strength medium viscosity        | green       | M 20 R ¾"                 | 500 nt  | 0.15                            | 28 - 35                                       | 50 - 65  | 15 - 20 (2,175 - 2,900 psi)                    | 10 - 20                                  | 3 - 6                                      | -60°C to +200°C (-76°F to +392°F) |
| AN 302-71     | Locking of threads and stud bolts  | high strength medium viscosity        | red         | M 20 R ¾"                 | 500 nt  | 0.15                            | 28 - 35                                       | 50 - 65  | 15 - 20 (2,175 - 2,900 psi)                    | 10 - 20                                  | 3 - 6                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 302-72     | Locking of threads and stud bolts, drinking water and DVGW <sup>2</sup> approval   | high strength higher viscosity        | red         | M 56 R 2"                 | 6,000 - 15,000 mt                             | 0.30                            | 20 - 30                                       | 40 - 75  | 10 - 15 (1,450 - 2,175 psi)                    | 20 - 40                                  | 5 - 10                                     | -60°C to +230°C (-76°F to +446°F) |
| AN 302-90     | Threadlocking for locking after assembly   | high strength extremely low viscosity | green       | M 5 kapillar              | 10 - 20                                       | 0.07                            | 15 - 25                                       | 30 - 40  | 8 - 12 (1,160 - 1,740 psi)                     | 5 - 20                                   | approx. 3                                  | -60°C to +150°C (-76°F to +302°F) |

|               |   |                                   |        |           |                    |      |                      |                      |                             |                      |                     |                                   |
|---------------|---|-----------------------------------|--------|-----------|--------------------|------|----------------------|----------------------|-----------------------------|----------------------|---------------------|-----------------------------------|
| AN 301-65 NSF | Pipe and flange sealing (with PTFE), drinking water approval  | medium strength, high viscosity   | white  | M 80 R 3" | 180,000 - 300,000  | 0.50 | 4 - 8                | 1 - 3                | 2 - 6 (290 - 870 psi)       | 10 - 20              | 24                  | -60°C to +150°C (-76°F to +302°F) |
| AN 301-72 NSF | Pipe and flange sealing (with PTFE), drinking water and DVGW <sup>2</sup> approval  | medium strength, high viscosity   | white  | M 80 R 3" | 15,000 - 60,000 ht | 0.30 | 5 - 10               | 4 - 6                | 5 - 7 (725 - 1,015 psi)     | 15 - 30              | 6 - 12              | -60°C to +200°C (-76°F to +392°F) |
| AN 302-25     | Sealing of threaded pipes and fittings  | low strength, high viscosity      | brown  | M 80 R 3" | 6,000 - 30,000 mt  | 0.30 | 5 - 8                | 2 - 4                | 3 - 5 (435 - 725 psi)       | 15 - 30              | 3 - 6               | -60°C to +150°C (-76°F to +302°F) |
| AN 302-45     | Sealing of threaded pipes and fittings, DVGW <sup>2</sup> -approval   | medium strength, high viscosity   | blue   | M 80 R 3" | 6,000 - 30,000 mt  | 0.30 | 10 - 15              | 12 - 18              | 8 - 12 (1,160 - 1,740 psi)  | 15 - 30              | 3 - 6               | -60°C to +150°C (-76°F to +302°F) |
| AN 302-75     | Sealing of threaded pipes and fittings, BAM <sup>3</sup>  | high strength, high viscosity     | green  | M 80 R 3" | 14,000 - 24,000 mt | 0.30 | 40 - 50              | 40 - 50              | 15 - 25 (2,175 - 3,625 psi) | 15 - 30              | 3 - 6               | -60°C to +150°C (-76°F to +302°F) |
| AN 302-77     | Sealing of threaded pipes and fittings  | high strength, higher viscosity   | red    | M 36      | 6,000              | 0.25 | 30 - 40              | 10 - 15              | 35 - 45 (5,075 - 6,525 psi) | 40 - 60              | 6 - 12              | -60°C to +150°C (-76°F to +302°F) |
| AN 302-80     | Sealing of threaded pipes and fittings for passive materials  | high strength, high viscosity     | green  | M 36      | 3,000 - 6,000 mt   | 0.20 | 35 - 45              | 50 - 70              | 20 - 30 (2,900 - 4,350 psi) | 2 - 5                | 2 - 4               | -60°C to +200°C (-76°F to +392°F) |
|               |   |                                   |        |           |                    |      | 15 - 20 <sup>2</sup> | 25 - 35 <sup>2</sup> |                             | 5 - 10 <sup>2</sup>  | 6 - 12 <sup>2</sup> |                                   |
| AN 305-11     | Sealing of threaded pipes and fittings, drinking water and DVGW <sup>2</sup> approval                                       | medium strength, high viscosity   | white  | M 80 R 3" | 17,000 - 50,000 ht | 0.40 | 7 - 10               | 2 - 4                | 4 - 6 (580 - 870 psi)       | 20 - 40              | 5 - 10              | -60°C to +150°C (-76°F to +302°F) |
| AN 305-42     | Sealant for hydraulic and pneumatic systems, DVGW <sup>2</sup> approval   | medium strength, medium viscosity | brown  | M 20 R ¾" | 500 nt             | 0.15 | 12 - 15              | 18 - 22              | 8 - 12 (1,160 - 1,740 psi)  | 10 - 20              | 2 - 4               | -60°C to +150°C (-76°F to +302°F) |
| AN 305-67     | Pipe and flange sealing (with PTFE)   | low strength, high viscosity      | white  | M 80 R 3" | 170,000 - 410,000  | 0.60 | 3 - 5                | 2 - 4                | 6 - 8 (870 - 1,160 psi)     | 120 - 240            | 24 - 72             | -50°C to +175°C (-58°F to +347°F) |
| AN 305-72     | Pipe and flange sealing (with PTFE), drinking water, DVGW <sup>2</sup> and AGA <sup>44</sup> approval                       | medium strength, high viscosity   | white  | M 80 R 3" | 17,000 - 50,000 ht | 0.40 | 7 - 10               | 2 - 4                | 4 - 6 (580 - 870 psi)       | 20 - 40              | 5 - 10              | -60°C to +150°C (-76°F to +302°F) |
| AN 305-77 NSF | Sealing of threaded pipes and fittings, BAM <sup>3</sup> , drinking water, DVGW <sup>2</sup> and AGA <sup>44</sup> approval | medium strength, high viscosity   | yellow | M 80 R 3" | 24,000 - 70,000 ht | 0.50 | 18 - 22              | 10 - 14              | 6 - 13 (870 - 1,885 psi)    | 15 - 30              | 1 - 3               | -60°C to +150°C (-76°F to +302°F) |
| AN 305-78     | Sealing of threaded pipes and fittings for passive materials, drinking water and DVGW <sup>2</sup> approval                 | medium strength, high viscosity   | yellow | M 80 R 3" | 50,000 - 80,000 ht | 0.50 | 18 - 22              | 10 - 14              | 6 - 13 (870 - 1,885 psi)    | 15 - 30              | 1 - 3               | -60°C to +150°C (-76°F to +302°F) |
|               |   |                                   |        |           |                    |      | 11 - 16 <sup>2</sup> | 4 - 7 <sup>2</sup>   |                             | 25 - 50 <sup>2</sup> | 4 - 8 <sup>2</sup>  |                                   |
| AN 305-86     | Pipe sealing (extra strong)   | high strength, higher viscosity   | red    | M 56 R 2" | 6,000 - 7,000 nt   | 0.30 | 15 - 30              | 25 - 45              | 10 - 20 (1,450 - 2,900 psi) | 60 - 90              | 12 - 24             | -60°C to +150°C (-76°F to +302°F) |



| Type-No.      | Application   | Features                          | Colour | For threaded joints up to | Viscosity in mPa.s at +25°C (+77°F) Brookfield | Gap filling capacity in mm max. | Breakaway strength N/m (Thread) | Prevailing strength N/m (Thread) | Shear strength** N/mm <sup>2</sup> (DIN 54422) | Handling strength at room temp. (minute) | Final strength at room temperature (hours) | Temperature resistance            |
|---------------|---|-----------------------------------|--------|---------------------------|--|---------------------------------|---------------------------------|----------------------------------|--|--|--|-----------------------------------|
| AN 301-38 NSF | Retaining cylindrical assemblies, drinking water approval   | high strength, medium viscosity   | green  | M 36                      | 2,000 - 3,000 mt                               | 0.20                            | 30 - 40                         | 45 - 60                          | 20 - 25 (2,900 - 3,625 psi)                    | approx. 5                                | 2 - 4                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 301-48 NSF | Retaining cylindrical assemblies, drinking water and DVGW <sup>2</sup> approval                   | high strength, medium viscosity   | green  | M 20 R 3/4"               | 450 - 650 nt                                   | 0.15                            | 25 - 30                         | 40 - 55                          | 25 - 30 (3,625 - 4,350 psi)                    | 2 - 6                                    | 2 - 4                                      | -60°C to +175°C (-76°F to +347°F) |
| AN 306-01     | Retaining cylindrical assemblies  | high strength, low viscosity      | green  | M 12                      | 125 nt   | 0.10                            | 25 - 30                         | 50 - 60                          | 17 - 22 (2,466 - 3,190 psi)                    | 10 - 20                                  | 2 - 4                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 306-03     | Retaining cylindrical assemblies  | high strength, low viscosity      | green  | M 12                      | 125 nt   | 0.10                            | 25 - 30                         | 50 - 60                          | 15 - 18 (2,175 - 2,610 psi)                    | 10 - 20                                  | 2 - 4                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 306-10     | Retaining cylindrical assemblies for passive materials, drinking water approval                   | high strength, medium viscosity   | green  | M 20 R 3/4"               | 700 - 1,000 nt                                 | 0.15                            | 30 - 35<br>15 - 20**            | 55 - 70<br>30 - 35**             | 25 - 35 (3,625 - 5,075 psi)                    | 2 - 5<br>5 - 10**                        | 2 - 4<br>6 - 12**                          | -60°C to +200°C (-76°F to +392°F) |
| AN 306-20     | Retaining cylindrical assemblies, drinking water and DVGW <sup>2</sup> approval, BAM <sup>3</sup> | high strength, higher viscosity   | green  | M 56 R 2"                 | 3,000 - 6,000 nt                               | 0.20                            | 28 - 36                         | 40 - 55                          | 15 - 25 (2,175 - 3,625 psi)                    | 20 - 40                                  | approx. 24                                 | -60°C to +200°C (-76°F to +392°F) |
| AN 306-30     | Retaining cylindrical assemblies for passive materials, BAM <sup>3</sup>                          | high strength, higher viscosity   | green  | M 36                      | 3,000 - 6,000 mt                               | 0.20                            | 35 - 45<br>15 - 20**            | 50 - 70<br>25 - 35**             | 20 - 30 (2,900 - 4,350 psi)                    | 2 - 5<br>5 - 10**                        | 2 - 4<br>6 - 12**                          | -60°C to +200°C (-76°F to +392°F) |
| AN 306-38     | Retaining cylindrical assemblies, drinking water approval   | high strength, medium viscosity   | green  | M 36                      | 2,500 mt                                       | 0.20                            | 35 - 45                         | 50 - 70                          | 25 - 30 (3,625 - 4,350 psi)                    | approx. 5                                | 1 - 3                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 306-40     | Retaining cylindrical assemblies  | high strength, medium viscosity   | green  | M 20 R 3/4"               | 600 nt   | 0.15                            | 20 - 30                         | 30 - 40                          | 15 - 30 (2,175 - 4,350 psi)                    | approx. 240                              | approx. 24                                 | -60°C to +200°C (-76°F to +392°F) |
| AN 306-41     | Retaining cylindrical assemblies  | medium strength, medium viscosity | yellow | M 20 R 3/4"               | 550 nt   | 0.12                            | 12 - 15                         | 17 - 22                          | 8 - 12 (1,160 - 1,740 psi)                     | 10 - 20                                  | 3 - 6                                      | -60°C to +150°C (-76°F to +302°F) |
| AN 306-48     | Retaining cylindrical assemblies, drinking water approval, BAM <sup>3</sup>                       | high strength, medium viscosity   | green  | M 20 R 3/4"               | 550 nt   | 0.15                            | 30 - 35                         | 55 - 70                          | 25 - 35 (3,625 - 5,075 psi)                    | approx. 5                                | 2 - 4                                      | -60°C to +175°C (-76°F to +347°F) |
| AN 306-60     | Assembly of cylindrical parts   | high strength, high viscosity     | silver | M 56 R 2"                 | 150,000 - 900,000 ht                           | 0.50                            | 35 - 45                         | 10 - 20                          | 25 - 30 (3,625 - 4,350 psi)                    | 15 - 30                                  | 3 - 6                                      | -60°C to +150°C (-76°F to +302°F) |

|               |   |                                 |             |           |                     |      |         |         |                            |           |            |                                   |
|---------------|---|---------------------------------|-------------|-----------|---------------------|------|---------|---------|----------------------------|-----------|------------|-----------------------------------|
| AN 301-65 NSF | Pipe and flange sealing (with PTFE), drinking water approval                                      | medium strength, high viscosity | white       | M 80 R 3" | 180,000 - 300,000   | 0.50 | 4 - 8   | 1 - 3   | 2 - 6 (290 - 870 psi)      | 10 - 20   | 24         | -60°C to +150°C (-76°F to +302°F) |
| AN 301-72 NSF | Pipe and flange sealing (with PTFE), drinking water and DVGW <sup>2</sup> approval                | medium strength, high viscosity | white       | M 80 R 3" | 15,000 - 60,000 ht  | 0.30 | 5 - 10  | 4 - 6   | 5 - 7 (725 - 1,015 psi)    | 15 - 30   | 6 - 12     | -60°C to +200°C (-76°F to +392°F) |
| AN 305-10     | Flange sealing, AGA <sup>4</sup> -approval, BAM <sup>3</sup>                                      | high strength, high viscosity   | orange      | ---       | 70,000 - 300,000 ht | 0.50 | 18 - 25 | 15 - 25 | 5 - 10 (725 - 1,450 psi)   | 15 - 30   | 6 - 12     | -60°C to +200°C (-76°F to +392°F) |
| AN 305-18 NSF | Flange sealing  | high strength, high viscosity   | red         | ---       | 80,000 - 500,000 ht | 0.50 | 12 - 18 | 18 - 24 | 8 - 13 (1,160 - 1,885 psi) | 10 - 20   | 3 - 6      | -60°C to +200°C (-76°F to +392°F) |
| AN 305-67     | Pipe and flange sealing (with PTFE)   | low strength, high viscosity    | white       | M 80 R 3" | 170,000 - 410,000   | 0.60 | 3 - 5   | 2 - 4   | 6 - 8 (1,160 - 1,740 psi)  | 120 - 240 | 24 - 72    | -50°C to +175°C (-58°F to +347°F) |
| AN 305-72     | Pipe and flange sealing (with PTFE), drinking water, DVGW <sup>2</sup> AGA <sup>4</sup> -approval | medium strength, high viscosity | white       | M 80 R 3" | 17,000 - 50,000 ht  | 0.40 | 7 - 10  | 2 - 4   | 4 - 6 (580 - 870 psi)      | 20 - 40   | 5 - 10     | -60°C to +150°C (-76°F to +302°F) |
| AN 305-73     | Flange sealing  | low strength, high viscosity    | light green | ---       | 17,000 - 50,000 ht  | 0.30 | 6 - 10  | 2 - 5   | 4 - 6 (580 - 870 psi)      | 20 - 40   | approx. 12 | -60°C to +150°C (-76°F to +302°F) |
| AN 305-74     | Flange sealing  | high strength, high viscosity   | orange      | ---       | 30,000 - 100,000 ht | 0.50 | 16 - 24 | 5 - 10  | 5 - 10 (725 - 1,450 psi)   | 15 - 30   | approx. 12 | -60°C to +180°C (-76°F to +356°F) |

\*Strength values based on M 10 screws, 8.8 grade, thickness of nut 0,8,d

\*\*Strength measured on V4A stainless steel screws

\*\*\*Static shear strength based on cylindrical parts of abt. Ø 13 mm, tolerance (D-d) = 0.05 mm, l/d = 0.88

<sup>2</sup> DVGW Certificate for use in gas supply and hot water systems

<sup>3</sup> BAM tested and safety-related evaluated- according to leaflet M 034-1

<sup>4</sup> "List of nonmetallic materials compatible with oxygen" (DGUV information 213-075) of BG RCI

<sup>4</sup> Australian Gas Association - Approval - Gas Class II 500 kPa

We do not recommend WEICONLOCK for long-term use on connections of copper and its alloys if exposed to water of more than +40°C (+104°F).

All recommendations and technical data are based on laboratory tests and extensive experiences by users. They have been compiled with greatest care but we take no warranty of any kind and accept no liability for the results obtained.

\* nt = low thixotrope  
mt = medium thixotrope  
ht = high thixotrope





## Chemical resistance of WEICONLOCK\*

| Medium                   | Resistance |
|--------------------------|------------|
| Waste water, excrements  | +          |
| Aluminium chloride       | +          |
| Apple juice, apple wine  | +          |
| Aromat, Solvent          | +          |
| Ethanol                  | +          |
| Acetone                  | +          |
| Benzol                   | +          |
| Petrol                   | +          |
| Beer                     | +          |
| Wort, malt extract       | +          |
| Brake fluid              | +          |
| Butyl alcohol            | +          |
| Butyl acetate            | +          |
| Chlorine alcohol         | +          |
| Chlorinated water        | +          |
| Vinegar                  | +          |
| Acetic acid 10%          | %          |
| Acetic acid 80%          | o          |
| Ethyl acetate            | +          |
| Formaldehyde - cold      | +          |
| Formaldehyde - hot       | o          |
| Glycol, glycine          | +          |
| Glycolic acid            | +          |
| Fuel oil                 | +          |
| Heptane                  | +          |
| Hexane                   | +          |
| Isobutyl alcohol         | +          |
| Potassium chromate       | +          |
| Potassium carbonate      | +          |
| Calcium chlorate         | +          |
| Calcium chloride         | +          |
| Calcium hydroxide        | +          |
| Calcium phosphate        | +          |
| Calcium sulfate          | +          |
| Kerosene                 | +          |
| Methanol, methyl alcohol | +          |

|                           |   |
|---------------------------|---|
| Methylethylheton          | + |
| Mineral oil               | + |
| Naphtha, petroleum        | + |
| Sodium chlorite           | + |
| Sodium fluoride           | + |
| Bio-Diesel (RME)          | + |
| Diesel, heating oil       | + |
| Ozone, liquid             | - |
| Phenol                    | + |
| Seawater                  | + |
| Silicone oil              | + |
| Edible oil                | + |
| Turpentine                | + |
| Toluene, methylbenzene    | + |
| Grape juice               | + |
| Water (acidic) under PH 7 | + |
| Water PH 7 to 8           | + |
| Water (alk.) over PH 8    | + |
| Water cooked              | o |
| Water distilled           | + |
| Hydrogen                  | + |
| Hydrogen peroxide         | + |
| Xylene, dimethylbenzene   | + |
| Cylinder oil              | + |

| Gas                                      | Resistance |
|--|------------|
| Acetylene                                | +          |
| Ammonia, ammonium chloride               | +          |
| Hydrochloric acid                        | +          |
| Helium                                   | +          |
| Isobutane                                | +          |
| Methyl chloride                          | +          |
| Natural gas - dry                        | +          |
| Ozone                                    | -          |
| Propane                                  | +          |
| Oxygen, (only WEICONLOCK-Types with BAM) | +          |
| Sulphur dioxide                          | +          |
| Nitrogen gas                             | +          |

+ = good resistance                      o = resistant  
% = limited resistance                - = not resistant

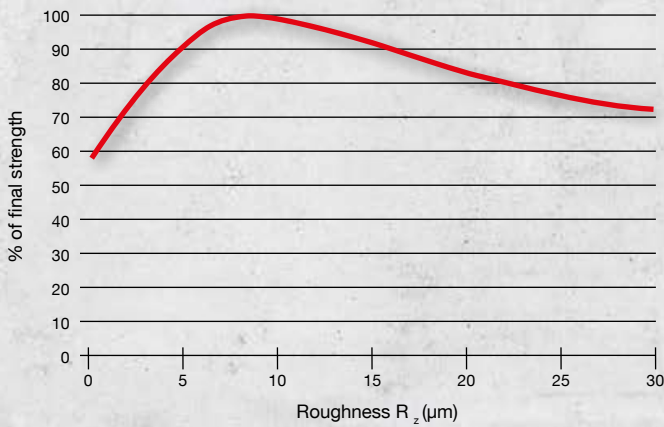
The a.m. resistances are a short excerpt.  
Further chemical resistances are available upon request.

\*Does not apply to SI 303-31

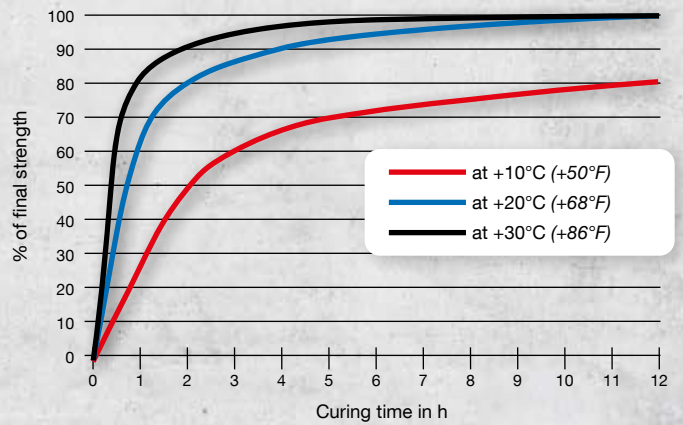


# WEICONLOCK®

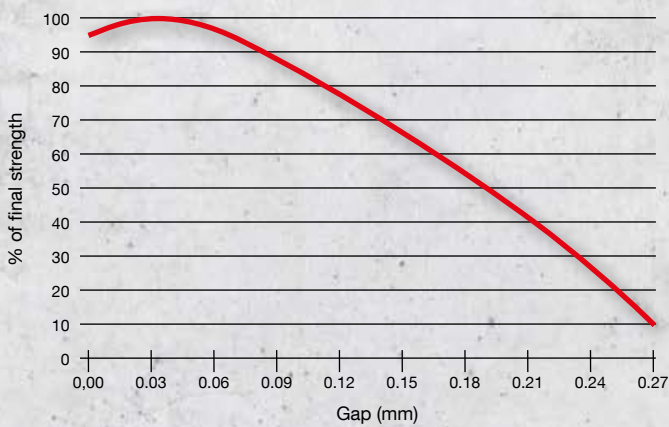
Strength of WEICONLOCK® dependent on the roughness



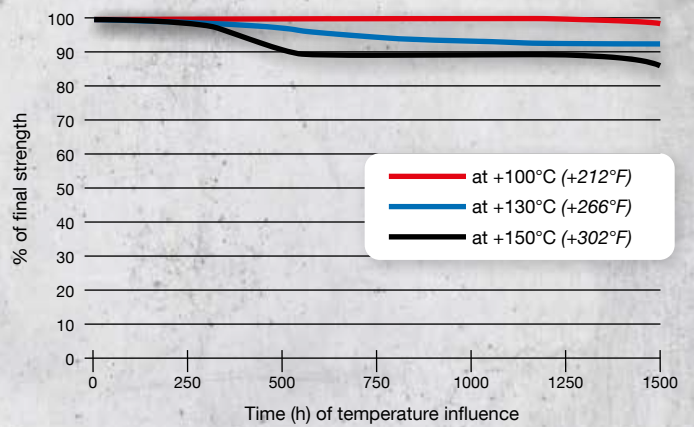
Curing speed of WEICONLOCK® dependent on the ambient temperature



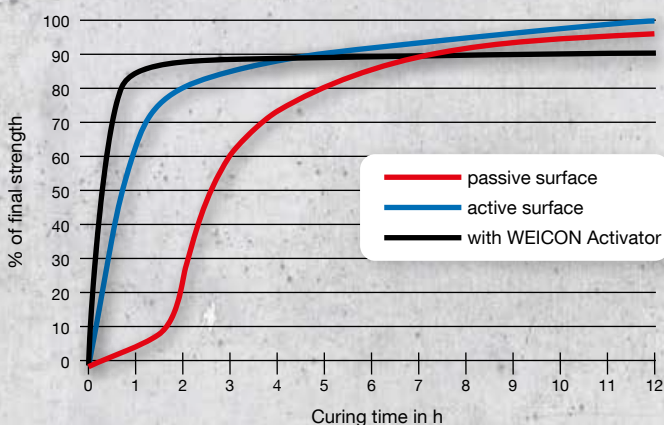
Strength of WEICONLOCK® dependent on the joint gap



Temperature long-term resistance WEICONLOCK® at increased temperatures



Curing speed with WEICON Activator F



**Gasket Maker**

**Permanently elastic special sealant**

WEICON Gasket Maker is a strong and permanently elastic special sealant that cures with air humidity and practically without shrinkage. Gasket Maker has a very good adhesion to steel, aluminium, glass, ceramic, and many other materials.

Gasket Maker has an excellent temperature, oil and grease resistance, is pressure- and ageing-resistant, UV-stable and permanently elastic.

The special sealant can be used on engines and water pumps, gears and axles, oil sumps and in many other applications.

- ▶ 310 ml    ▶ 310 ml
- 10049930**    **10049931**
- red            black



**Technical data**

|   | WEICON Gasket Maker in non-cured condition                                    |                     |
|---|---|---------------------|
|   | red   | black               |
| Base:   | one-component acetate   |                     |
| Density (g/cm³):                              | 1.28  | 1.06                |
| Viscosity:                                    | pasty   |                     |
| Stability/Run-off (ASTM D 2202) mm:           | 1   | >1                  |
| Cure type:                                    | by humidity   |                     |
| Curing condition:                             | +5°C to +35°C (+41 to +95°F) and 30% to 95% rel. humidity                     |                     |
| Skin-over time (minutes):*3                   | 12  | 7                   |
| Cure speed:*3                                 | 2-3 mm in the first 24 hours  |                     |
| Volume change (DIN 52451) %:*3                | -1 %  | -3 %                |
| Gap filling up to max. mm:                    | 5   |                     |
| Gap width up to max. mm:                      | 25  |                     |
| Shelf life in months: (room temperature)      | 12  |                     |
|   | WEICON Gasket Maker in cured condition  |                     |
| Shore hardness A (DIN 53505 / ASTM D 2240):   | 35  | 30                  |
| Elongation at break ISO 37, S3A [%]           | 500   |                     |
| Tensile strength ISO 37, S3A [N/mm²]          | 2.0 N/mm² (290 psi)   |                     |
| Tension strength value at 100 % (ISO 37, S3A) | 0.9 N/mm² (130 psi)   | 0.7 N/mm² (100 psi) |
| Movement capacity max. %:                     | 15  | 15                  |
| Temperature resistance:                       | -60°C to +280°C (-76°F to +536°F) briefly up to (approx. 2 h) +300°C (+572°F) |                     |
| Paintable:                                    | cannot be painted   |                     |
| Building material category (DIN 4102):        | B 2   |                     |

\*3 Normal climate +23°C (+73°F) and 50% relative humidity in accordance with DIN 50014.



VIDEO

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



# Gasket Maker and Plast-o-Seal®

## Plast-o-Seal®

Permanently plastic universal sealant | solvent-free with no unpleasant odour | enables immediate assembly



### Features and advantages:

- ▶ for sealing the smoothly treated flanges of machine, gearbox and motor casing flanges
- ▶ can be used on hot and cold surfaces
- ▶ to improve the performance of both old and new gaskets made from paper, cork, felt etc.
- ▶ solvent-free – odourless
- ▶ remains permanently plastic, before and after assembly
- ▶ easy joint dismantling
- ▶ economical in use
- ▶ very good resistance to most fuels, mineral oils, water, air, coolant mixtures based on methanol and glycol, antifreezes, kerosene, fluorocarbon refrigerants etc.
- ▶ max. gap filling capability up to 0.10 mm (without a gasket)
- ▶ non-sag, can be applied to vertical surfaces
- ▶ temperature-resistant from -50°C to +200°C (-58 to +392°F); briefly up to +250°C (+482°F)
- ▶ compensates for manufacturing defects such as scoring and scratches and enables accurate assembly
- ▶ allows accurate assembly and construction with low tolerances
- ▶ no need to overtighten fixings during assembly
- ▶ non-corrosive
- ▶ contains no substances that disturb lacquer wettings (e.g. silicone)
- ▶ fluorescent blue colour

|          |               |           |           |
|----------|---------------|-----------|-----------|
| ▶ 90 g   | ▶ 120 g       | ▶ 230 g   | ▶ 300 g   |
| 10014387 | 10014388      | 10039427  | 10014389  |
| Tube     | Brush-top can | Presspack | Cartridge |

### Technical data

|                                       |   |
|---------------------------------------|---|
| Colour                                | blue (fluorescent)  |
| Specific weight at +20°C              | 1.15 g/cm <sup>3</sup>  |
| Viscosity at +25°C (+77°F) Brookfield | 950,000 - 1,650,000 mPa·s   |
| Gap filling capacity max.             | 0.10 mm without gasket  |
| Working temperature                   | +5°C up to +35°C<br>(+41 up to +95°F)                             |
| Base                                  | Polyester resin   |
| Shelf life                            | 24 months at room temperature<br>(approx. +20°C/+68°F)            |
| Temperature resistance                | -50 to +200°C<br>(-58 to +392°F)<br>briefly up to +250°C (+482°F) |



100% PTFE

Thread Sealing Cord DF 175

▶ plastic can 175 m  
10026655



- ▶ for metal and plastic threads
- ▶ in extreme temperature ranges between -200°C
- ▶ silicone-free
- ▶ is used in the area of solar applications
- ▶ tested up to 45° reverse rotation
- ▶ cost- and time-saving application
- ▶ BAM-tested\*

WEICON DF 175 is used

- ▶ for almost all sealing of plastic and metal threads
- ▶ for ducts and pipes in which extremely aggressive media are transported
- ▶ in connection with gaseous or liquid media, such as oxygen, propane, butane and many more
- ▶ in the area of drinking water
- ▶ in extreme temperature ranges between -200°C (-328°F) and +240°C (+464°F)
- ▶ in the area of solar applications
- ▶ wherever an unscrewing of the connection (tested up to 45°) without weakening of the sealing effect is required



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



BAM tested and safety-related evaluated, according to leaflet M 034-1 "List of nonmetallic materials compatible with oxygen" (DGUV information 213-075) of BG RCI



VIDEO





# Thread Sealing Cord and Threadlocking Varnish

## Threadlocking Varnish

**Fast-drying | non-conductive | excellent media resistance**

Threadlocking Varnish is a solvent-based, fast-drying securing and marking varnish with good adhesion to many materials.

The varnish serves as a removable lock, as protection against tampering by unauthorised persons, as a cover for electrically conductive parts and as protection against corrosion and influencing through contact.

The threadlocking varnish is resistant to water, petrol, diesel, mineral oil, paraffin oil and diluted acids and lyes. The threadlocking varnish is essential for locking screw connections of all kinds, protecting against manipulation and unauthorised loosening of screws and connections, documenting quality assurance measures, production control and product inspection through a varnish seal and also for the visual inspection of connected, adjusted parts.

Threadlocking varnish is available in the colours yellow, green and red.



Adhesives / Sealants

Technical Sprays

Technical Liquids

### Technical Data

|  |   |
|--|---|
| Colour                                     | red (RAL 3000), yellow (RAL 1021), green (RAL 6010) |
| Degree of gloss                            | matt  |
| Viscosity at +25°C (+77°F) acc. Brookfield | 1,500 mPa·s   |
| Processing temperature                     | +5°C to +120°C (+41°F to 248°F)                     |
| Dust dry after                             | 5 minutes   |
| Handling strength after                    | 60 minutes  |
| Breakaway strength*                        | 2.7 Nm  |
| Temperature resistance                     | -60°C to +120°C (-76°F to 248°F)                    |
| Shelf life                                 | 12 months   |

\*Strength values determined on screw M10 with full-area thread wetting

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



|                    |                    |                         |  |
|--------------------|--------------------|-------------------------|--|
| ▶ 30 g<br>10038883 | ▶ 60 g<br>10047485 | <b>YELLOW</b> RAL 1021* |  |
| ▶ 30 g<br>10038884 | ▶ 60 g<br>10046906 | <b>GREEN</b> RAL 6010*  |  |
| ▶ 30 g<br>10038882 | ▶ 60 g<br>10047481 | <b>RED</b> RAL 3000*    |  |

\*corresponds approximately to the specified RAL colours



10046570



## Cyanoacrylate Adhesives

WEICON Cyanoacrylate Adhesives are cold-curing 1-component adhesives, free of solvents. They quickly polymerise by reacting with moisture both on the surfaces to be bonded and from the air, and cure under light pressure.

They will bond within seconds almost all materials to and among each other, such as:

|                              |          |
|------------------------------|----------|
| metals                       | plastics |
| glass                        | ceramics |
| wood                         | leather  |
| natural and synthetic rubber |          |

When using WEICON Cyanoacrylate Adhesives, unlike in the case of welding and soldering, surfaces remain unaltered. No material stress occurs. Thus, more simple and rapid assembly is often possible, and auxiliary fixing devices are not necessary.

The resulting advantages are numerous:

- ▶ enormous time and, therefore, cost savings
- ▶ immediate processing of fixed parts possible
- ▶ high bond strength up to material fracture
- ▶ **clean and visually appealing bondings**



## Type Selection Table

|                 | VA 20 | VA 8312 | VA 8406 | VA 100 | VA 110 | VA 1401 | VA 300 | VA 1500 | GEL | VA 2500 HT | VA 30 Black | VA 250 Black | VA 1408 | VA 1460 | VA 1403 | VM 20 | VM 120 | VM 2000 | VA 2407 |
|-----------------|-------|---------|---------|--------|--------|---------|--------|---------|-----|------------|-------------|--------------|---------|---------|---------|-------|--------|---------|---------|
| Metal           | +     | +       | +       | ++     | +      | ++      | +      | +       | +   | +          | +           | +            | +       | +       | +       | ++    | ++     | ++      | ++      |
| Plastic*        | ++    | ++      | ++      | ++     | ++     | ++      | ++     | ++      | +   | ++         | ++          | ++           | ++      | ++      | ++      | +     | +      | +       | ++      |
| Rubber          | ++    | ++      | ++      | ++     | ++     | ++      | +      | ++      | +   | ++         | ++          | ++           | ++      | ++      | +       | +     | +      | +       | ++      |
| EPDM-Elastomers | +     | +       | ++      | +      | +      | ++      | +      | +       |     | +          | +           | +            | +       | +       | +       |       |        |         | +       |
| Wood            | +     |         |         | +      | +      | +       | ++     | +       | +   | +          | +           | +            | +       |         | ++      |       |        |         | ++      |
| Balsa-wood      |       | +       | +       | +      | +      | +       | +      | +       | ++  | +          | +           | +            | +       |         | ++      |       |        |         | +       |
| Glass/ Ceramic  | +     |         | +       | ++     | +      | ++      | ++     | +       | ++  | +          | +           | +            | ++      | +       | +       |       |        |         | ++      |
| Leather         |       | +       |         | ++     | +      | ++      | ++     | ++      | ++  | +          | +           | +            | +       | +       | ++      |       |        |         | ++      |

\*s. page 103 Contact Primer

suitable (+)

highly suitable (++)



## 1-Component Adhesives and Sealants

# Cyanoacrylate Adhesives

VA 20



**Cyanoacrylate Adhesive for rubber and plastics | low viscosity | very fast curing | ISEGA-certified**

WEICON Contact VA 20 has low viscosity (< 20 mPa•s) and cures very quickly.

VA 20 is suited for the bonding of rubber and plastics and also for precisely fitted metal/ plastic joints.

▶ 12 g    ▶ 30 g    ▶ 60 g    ▶ 500 g  
10018860    10016618    10019781    10000215



## WEICON Contact Filler transparent

Fillers for instant bonding and filling-in of clefts and cracks, holes as well as unlevelled surfaces in combination with WEICON Contact Adhesive VA 8312.

Contact Filler should be applied in layers: Adhesive - Filler - Adhesive

After curing is completed, the material can be sanded and painted.

▶ 30 g  
10012382



## WEICON Contact-Filler black

Black fillers for instant bonding and filling-in of clefts and cracks, holes as well as unlevelled surfaces in combination with WEICON Contact Adhesive VA 8312.

▶ 30 g  
10063106

VIDEO



**Twist lock  
No sticking!**



VA 8312



**Cyanoacrylate Adhesive for rubber and plastics | low viscosity | very fast curing | ISEGA-certified**

WEICON Contact VA 8312 has low viscosity (20- 40 mPa•s) and cures very quickly. VA 8312 is suited for the bonding of various rubber materials such as solid rubber or cellular rubber, plastics and EDPM elastomers. The adhesive is certified by the ISEGA research and evaluation company and can be used as an adhesive in the food technology.

In combination with WEICON CA-Primer, VA 8312 can also be used for polyolefines (PEpolyethylene, PP-polypropylene). In combination with WEICON Contact Filler\*, VA 8312 is suited for the instant bonding and filling of cracks, clefts, holes and uneven surfaces.

▶ 12 g    ▶ 30 g    ▶ 60 g    ▶ 500 g  
10018863    10016432    10019793    10000242



## WEICON Contact-Filler Set transparent

**Comprising:** WEICON Contact Filler and WEICON Contact VA 8312

▶ Set  
10063102



## WEICON Contact-Filler Set black

**Comprising:** WEICON Contact Filler black and WEICON Contact VA 8312

▶ Set  
10063110



**VA 8406**



**Cyanoacrylate Adhesive for rubber and plastics | ISEGA-certified | low viscosity | very fast curing**

WEICON Contact VA 8406 has low viscosity (20-50 mPa•s) and cures very quickly. It is suited for the fast fixing and bonding of various rubber materials such as solid rubber or cellular rubber, plastics and EPDM elastomers requiring quick fixing.

The adhesive is certified by the ISEGA research and evaluation company and can be used as an adhesive in the food technology. In combination with WEICON CA-Primer, VA 8406 can also be used for polyolefines (PE-polyethylene, PP-polypropylene) and for PTFE and silicones.

- ▶ 3 g      ▶ 12 g      ▶ 30 g
- 10101681 **NEW** 10018865 10016396
- ▶ 60 g      ▶ 500 g
- 10019794 10001559



VIDEO



**VA 100**



**Cyanoacrylate Adhesive for rubber and plastics | medium viscosity | slightly longer curing**

WEICON Contact VA 100 is a universal type for the bonding of metals, plastic and rubber, both to and among each other.

VA 100 is ideal for the DIY sector, but can also be used in many areas of industry.

- ▶ 3 g      ▶ 12 g      ▶ 30 g
- 10001191 10018867 10016433
- ▶ 60 g      ▶ 500 g
- 10019785 10000226

**VA 110**



**Cyanoacrylate Adhesive for special requirements | medium viscosity | longer curing | drinking water approval**

The special feature of the product is its NSF registration in accordance with ANSI Standard 61 - Drinking Water System Components. Thus, VA 110 also meets the highest standards and can be used in sensitive areas such as in the pharmaceutical industry, in the manufacturing of cosmetics, in the food industry, in the manufacturing of toys or jewelry industry.

Due to its special formula and the resulting NSF registration, VA 110 can contribute towards improvements in occupational safety and health protection.

- ▶ 12 g      ▶ 30 g      ▶ 60 g
- 10033861 10031926 10033865
- ▶ 500 g
- 10031927





## 1-Component Adhesives and Sealants

# Cyanoacrylate Adhesives

## VA 1401



**Cyanoacrylate Adhesive for rubber and plastics | medium viscosity | fast curing | NSF approval**

WEICON Contact VA 1401 has medium viscosity (100-150 mPa•s) and cures quickly. It shows good results on fabric, paper, cardboard, cartons, foam rubber and largepored elastomers. VA 1401 is a universal type for the bonding of metals, plastics and rubber, both to themselves and among each other.

- ▶ 12 g    ▶ 30 g    ▶ 60 g
- 10018869    10016402    10019787
- ▶ 500 g
- 10001557

## VA 300

**Cyanoacrylate Adhesive for rubber and plastics | higher viscosity | longer curing**

WEICON Contact VA 300 has a higher viscosity (200-300 mPa•s) and a longer curing time. It is particularly suited for absorbent and porous products such as wood, cork, leather and ceramics.

VA 300 is also suited for the bonding of metals, plastics and rubber, both to themselves and among each other.

- ▶ 12 g    ▶ 30 g    ▶ 60 g
- 10018819    10016510    10019789
- ▶ 500 g
- 10000231

## VA 1500

**Cyanoacrylate Adhesive for rubber and plastics | high viscosity | slow curing**

WEICON Contact VA 1500 is highly viscous (1000-1500 mPa•s) and has a slower curing time. The product is suited for the bonding of rubber and plastics and can also be used on absorbent and porous materials such as wood, cork, leather and ceramics.

- ▶ 12 g    ▶ 30 g
- 10018820    10016434
- ▶ 60 g    ▶ 500 g
- 10019791    10000237

## Contact GEL

**Cyanoacrylate Adhesive for special requirements | pasty (highly thixotropic) | very slow-curing = position correction**

Contact Gel is pasty (highly thixotropic; 60000-90000 mPa•s) and cures very slowly. By using WEICON Activator Spray, the curing time can be reduced.

WEICON Contact Gel is suited for porous surfaces and higher tolerance gaps and can be used on vertical surfaces. Positioning is also possible after the parts have been joined.

WEICON Contact Gel is suited for the bonding of the most diverse products.

WEICON Contact Gel can be used both in the hobby sector and in model building. It can also be used in many different industrial applications.

- ▶ 20 g    ▶ 30 g
- 10002033    10018589



20 g tube





### VA 2500 HT

**Cyanoacrylate Adhesive for special requirements | high-temperature-resistant | high viscosity | slow curing | residual elasticity after curing | high peel and impact resistance**

WEICON Contact VA 2500 HT is highly viscous (2000-3000 mPa·s) and temperature-resistant between -50°C (-58°F) and +140°C (+284°F). It hardens slowly with residual elasticity and has high peel and impact strength.

Thanks to its curing with residual elasticity, WEICON Contact VA 2500 HT is particularly suitable under changing climatic conditions. It is insensitive even under a longer influence of humidity. VA 2500 HT is suited for the bonding of the most diverse rubber materials and plastics and also for metal/plastic joints.

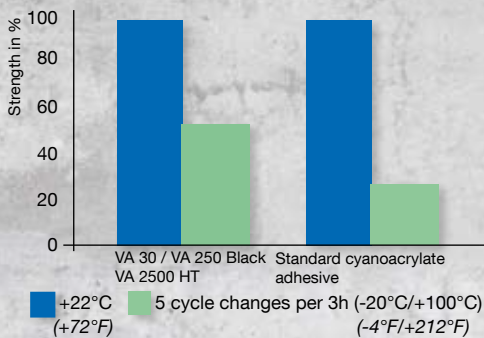
▶ 12 g    ▶ 30 g    ▶ 60 g    ▶ 500 g  
 10018871    10016398    10019803    10012291



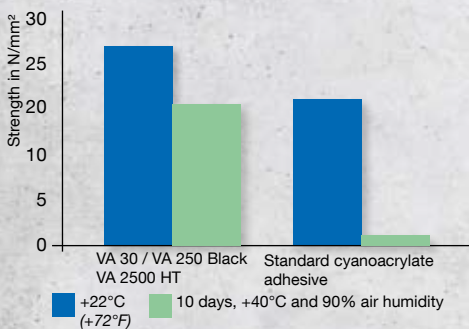
# 1-Component Adhesives and Sealants

## Cyanoacrylate Adhesives

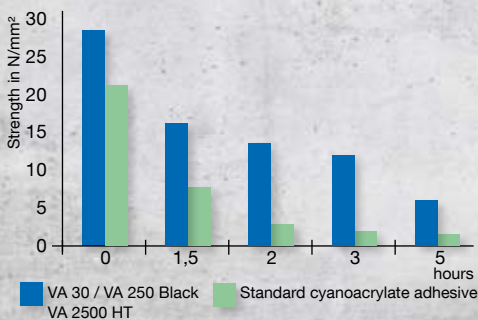
Temperature change load



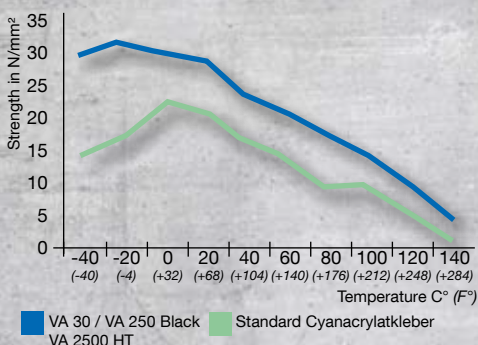
Humid climate resistance



Short-term ageing at +140°C (+284°F)



Strength dependent on temperature



### VA 30 Black

**Cyanoacrylate Adhesive for special requirements | rubber-filled | high-temperature-resistant | medium viscosity | longer curing | residual elasticity after curing | high peel and impact resistance**

WEICON Contact VA 30 Black has medium viscosity (300 mPa•s) and is temperature-resistant between -50°C (-58°F) and +140°C (+284°F). It has a longer curing time, is rubber-filled and black, hardens with residual elasticity and has high peel and impact strength. Thanks to its curing with residual elasticity, WEICON Contact VA 30 Black is particularly suitable under changing climatic conditions.

It is insensitive even under a longer influence of humidity. VA 30 Black is ideally suited for the bonding of diverse rubber materials such as solid rubber or cellular rubber, plastics and metal/plastic joints.

- ▶ 12 g  
10025827
- ▶ 30 g  
10025824
- ▶ 60 g  
10025829
- ▶ 500 g  
10025987



### VA 250 Black

**Cyanoacrylate Adhesive for special requirements | rubber-filled | high-temperature-resistant | high viscosity | slow curing | residual elasticity after curing | high peel and impact resistance**

VA 250 Black is highly viscous (2000-3000 mPa•s) and temperature-resistant between -50°C (-58°F) and +140°C (+284°F). It hardens slowly and with residual elasticity, is rubber-filled and black, and has high peel and impact strength.

Thanks to its curing with residual elasticity, WEICON Contact VA 250 Black is particularly suitable under changing climatic conditions. It is insensitive even under a longer influence of humidity. It is best suited for the bonding of diverse rubber materials such as solid rubber or cellular rubber, plastics and metal/plastic joints.

- ▶ 12 g  
10018873
- ▶ 30 g  
10016400
- ▶ 60 g  
10019805
- ▶ 500 g  
10012306



VIDEO



**VA 1408**

**Cyanoacrylate Adhesive for special requirements | low viscosity | very fast curing | low odour and “blooming”**

WEICON Contact VA 1408 has a low viscosity (20-40 mPa•s) and a reduced “blooming” effect. It cures quickly, is low in odour when processing and less susceptible to moisture effects after curing.

The product is suited for the clean and visually attractive bonding of the most diverse products. WEICON Contact VA 1408 can be used in numerous industrial applications.



- ▶ 12 g    ▶ 30 g    ▶ 60 g    ▶ 500 g
- 10018875    10016404    10019800    10015985

**VA 1460**

**Cyanoacrylate Adhesive for special requirements | medium viscosity | longer curing | low odour and “blooming”**

VA 1460 has a medium viscosity (120-200 mPa•s) and a reduced “blooming” effect. It cures less quickly, is low in odour when processing and less susceptible to moisture effects after curing.

WEICON Contact VA 1460 is suited for the bonding of the most diverse products. The product can be used in numerous industrial applications.



- ▶ 12 g    ▶ 30 g    ▶ 60 g    ▶ 500 g
- 10018877    10016514    10019796    10000247

**VA 1403**

**Cyanoacrylate Adhesive for special requirements | high viscosity | slow-curing | low odour and “blooming”**

WEICON Contact VA 1403 is highly viscous (1100-1800 mPa•s), low in odour when processing and has a reduced “blooming” effect. It cures slowly and is less susceptible to moisture effects after curing.

VA 1403 is suited for the clean and visually attractive bonding of various products.



- ▶ 12 g    ▶ 30 g    ▶ 60 g    ▶ 500 g
- 10018879    10016512    10019798    10015993

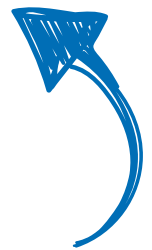




## 1-Component Adhesives and Sealants

**Cyanoacrylate Adhesives**

VIDEO



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

**VM 20****Cyanoacrylate Adhesive for metals | low viscosity | very fast curing**

WEICON Contact VM 20 has a low viscosity (20-40 mPa•s) and cures very quickly. It is suited for all types of metal bonds, especially for the bonding of precisely fitted parts in serial production.

VM 20 can be used in the metalworking industry, in machine construction, in housing and apparatus engineering and in many other applications.

|          |          |          |
|----------|----------|----------|
| ▶ 30 g   | ▶ 60 g   | ▶ 500 g  |
| 10019853 | 10019857 | 10000254 |

**VM 120****Cyanoacrylate Adhesive for metals | medium viscosity | slower curing, a short-term realignment of parts is possible**

WEICON Contact VM 120 is suited for all types of metal bonds.

WEICON Contact VM 120 can be used in the metalworking industry, in machine construction, in housing and apparatus engineering and in many other applications.

|          |          |          |
|----------|----------|----------|
| ▶ 30 g   | ▶ 60 g   | ▶ 500 g  |
| 10019859 | 10019863 | 10000262 |

**VM 2000****Cyanoacrylate Adhesive for metals | high viscosity | slow curing, allows realignment of parts**

WEICON Contact VM 2000 is highly viscous (1700-2000 mPa•s) and cures slowly, which enables realignment of the bonded parts.

VM 2000 is suited for all types of metal bonds and can also be used on absorbent and porous products.

|          |          |          |
|----------|----------|----------|
| ▶ 30 g   | ▶ 60 g   | ▶ 500 g  |
| 10019865 | 10019867 | 10000270 |



**INNOVATION  
HYBRID-  
TECHNOLOGY**

**VA 2407**

**Universal use | strong | fast-curing**

High-strength, fast-curing and process-safe 2-component structural adhesive based on cyanoacrylate. Suitable for fast and transparent bonding of e.g. plastic and rubber. Very good adhesion to a wide variety of materials. Pot life: approx. 5 minutes.

- ▶ 10 g      ▶ 50 g
- 10063086   10063088

**Hand Dispenser D 50 10:1**

Suitable for VA 2407 50 g.

10059295

**Mixing nozzle for VA 2407**

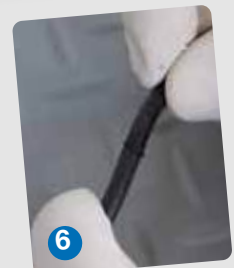
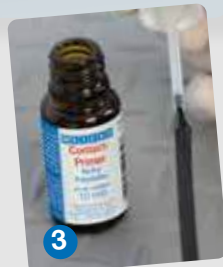
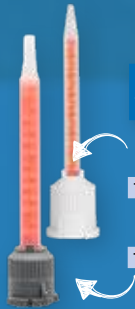
▶ 10 g  
10063091

▶ 50 g  
10023115

**Special Piston**

For adapting the Easy-Mix D50 dosing gun to VA 2407 50 g.

10023341



**O-Ring Bonding Set**

Using the WEICON O-Ring Bonding Set, sealing rings out of all common materials can be produced in no time.

**WEICON O-Ring Bonding Set consists of:**

- 10025827 | Contact VA 30 Black | 12 g
- 10024317 | Surface Cleaner | 150 ml
- 10000275 | Contact Primer | 10 ml
- 10045522 | Safety Knife
- 1 m round cord (NBR) each: Ø 2, 3, 4, 6 and 8 mm

10034766

Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



# 1-Component Adhesives and Sealants O-Ring Bonding Set and Accessories for CA



- ▶ 10 ml  
10000275
- ▶ 100 ml  
10000278
- ▶ 1 L  
10000279



- ▶ 150 ml  
10000282  
CA-Activator  
Spray
- ▶ 150 ml  
10033805  
CA-Activator Spray AC  
(based on acetone)
- ▶ 150 ml  
10067893  
CA-Activator Spray PS

## CA-Activator Spray PS

The CA-Activator Spray PS accelerates the curing of WEICON Contact Cyanoacrylate Adhesives. It can be applied both before and after the bonding process. The activator enables a quick fixation; however, it can also be used to allow excess adhesive to cure.

When applied to absorbent and porous surfaces, such as wood, foam etc., and all chemically treated surfaces, such as electrogalvanised metal etc., the activator's effectiveness lasts approx. one minute. On non-absorbent surfaces, the activator's effectiveness lasts up to approx. 12 hours.

The pump spray head ensures that the surfaces to be bonded are wetted evenly and precisely with the activator. Use is recommendable with highly viscous WEICON Contact types, large layer thicknesses, absorbent and porous surfaces, passive materials (alkaline surfaces, e.g. galvanised metal parts) and in unfavourable environmental conditions (low temperatures, too low humidity < 30 %).

## Contact Primer for Polyolefines

Without pre-treatment, many plastics are unable to bond or bond only under certain conditions. When these plastics are pre-treated with WEICON Contact Primer, their surface structure changes. Thereby the joining of plastics, like polyethylene (PE) and polypropylene (PP) belonging to the polyolefine group, which are usually difficult to bond, is made possible. Even modern thermoplastic elastomers (TPE), PTFE and related plastics as well as silicones, can be bonded when pre-treated with WEICON Contact Primer.

## CA-Activator

The activator speeds up the curing process of WEICON Cyanoacrylate Adhesives. When applied to absorbent surfaces, like wood or foam etc., and all chemically-treated surfaces, such as zinc-galvanized metals etc., the activator's effectiveness lasts approx. one minute. With non-absorbent surfaces, the activator's effectiveness lasts up to approx. 12 hours.

Due to its special formula and the resulting NSF registration, CA-Activator Spray and CA-Activator Spray AC can contribute towards improvements in occupational safety and health protection.

## CA-Remover

Breaks down and removes all types of cyanoacrylate adhesives. Suitable for cleaning metal parts, tools and many different surfaces that have come into contact with cyanoacrylate adhesives.

- ▶ 30 ml  
10051358



Use is recommendable with:

- ▶ highly viscous WEICON Contact types
- ▶ large thickness of the adhesive layer
- ▶ absorbent and porous surfaces
- ▶ passive materials (alkaline surfaces, like for example zinc coated metal parts).
- ▶ disadvantageous environmental conditions (low temperatures, too low air humidity < 30%)

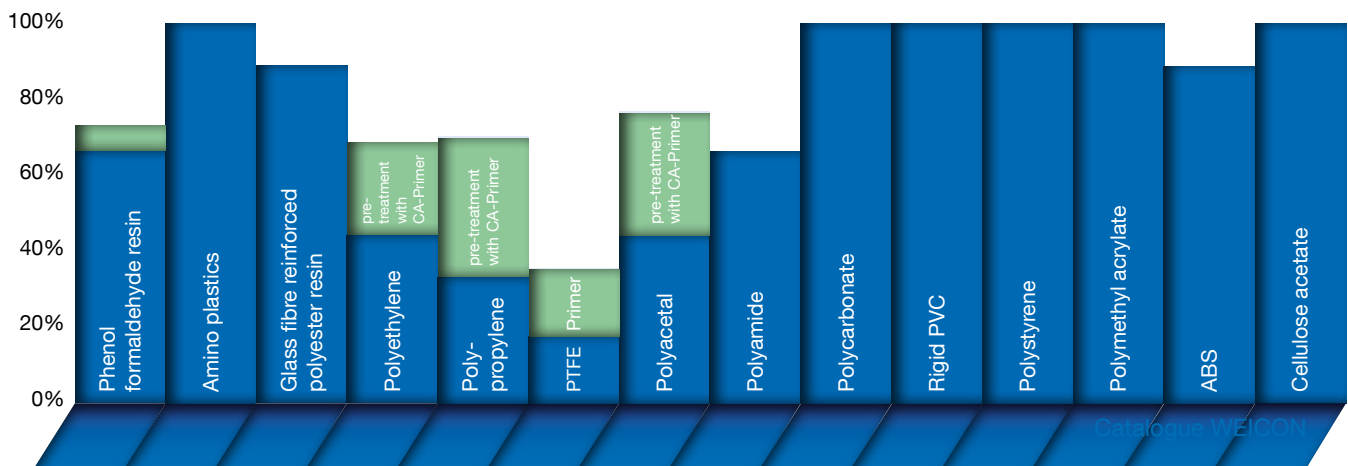
## Dosing Tips

For exact, economic and point-to-point applications of WEICON Contact adhesives.

- 10068262 Dosing tip size 0 type S
- 10068261 Dosing tip size 0,5 type A



## Combined tension and shear resistance (DIN EN 1465) / ASTM D 1002:



## Technical Data

WEICON Contact in liquid state

|  | VA 20   | VA 8312    | VA 8406    | VA 100    | NSF<br>Certified to NSF/ANSI #1<br>VA 110 | NSF<br>Certified to NSF/ANSI #1<br>VA 1401 | VA 300    | VA 1500     | GEL           | VA 2500 HT   | VA 30 Black | VA 250 Black | VA 1408     | VA 1460                 | VA 1403     | VM 20       | VM 120                                   | VM 2000        | VA 2407                        |            |
|--|---|------------|------------|-----------|---|--|-----------|-------------|---------------|--|-------------|--------------|-------------|-------------------------|-------------|-------------|--|----------------|--------------------------------|------------|
|  | ✓   | ✓          | ✓          | ✓         |   |  |           |             |               |  |             |              |             |                         |             |             |  |                |                                |            |
| Ester type                               | ethyl   |            |            |           |   |  |           |             |               |  |             |              | alkoxy      |                         |             | methyl      |  | ethyl-acrylate |                                |            |
| Condition / nature                       | colourless, clear liquid, VA 2500 HT opaque, VA 30 Black and VA 250 Black |            |            |           |   |  |           |             |               |  |             |              |             |                         |             |             |  |                |                                |            |
| Properties                               | particularly suitable for rubber and plastic bonding                      |            |            |           |   |  |           |             | pasty         | particularly suitable for rubber and plastic bonding |             |              |             | low odour, low blooming |             |             | particularly suitable for bonding metals |                | 2C-cyanoacrylate, gap bridging |            |
| Viscosity at 25°C cone / plate in mPa·s  | < 20  | 20-40      | 20-50      | 60-120    | 70-110                                    | 100-150                                    | 200-300   | 1,000-1,500 | 60,000-90,000 | 2,000-3,000  | 250-300     | 2,000-3,000  | 20-40       | 120-200                 | 1,100-1,800 | 20-40       | 100-130                                  | 1,700-2,000    | 1,000                          |            |
| Max. gap covering in mm **               | 0.10  | 0.10       | 0.10       | 0.15      | 0.15                                      | 0.15                                       | 0.15      | 0.20        | 0.20          | 0.20   | 0.20        | 0.20         | 0.10        | 0.15                    | 0.20        | 0.10        | 0.15                                     | 0.20           | 5.0                            |            |
| Specific gravity at +20°C (+68°F) g/cm³  | 1.04  | 1.05       | 1.05       | 1.06      | 1.06                                      | 1.06                                       | 1.07      | 1.08        | 1.08          | 1.06   | 1.06        | 1.06         | 1.06        | 1.02                    | 1.10        | 1.10        | 1.10                                     | 1.12           | 1.10                           |            |
| Flash point                              | +87 °C (+189 °F)  |            |            |           |   |  |           |             |               |  |             |              |             |                         |             |             |  |                |                                |            |
| Initial adhesion*                        | very fast   |            |            | fast      |   |  | very fast | fast        | very fast     | medium   |             |              | slow        |                         |             | fast        |  | medium         |                                |            |
| Initial adhesion* in seconds (0,1 N/mm²) | Aluminium <sup>1</sup>  | approx. 2  | approx. 8  | approx. 3 | approx. 4                                 | approx. 2                                  | approx. 3 | approx. 4   | approx. 14    | approx. 4  | approx. 8   | approx. 7    | approx. 40  | approx. 82              | approx. 300 | approx. 270 | approx. 1                                | approx. 2      | approx. 6                      | approx. 4  |
|  | ABS <sup>2)</sup>   | approx. 7  | approx. 15 | approx. 4 | approx. 10                                | approx. 22                                 | approx. 9 | approx. 24  | approx. 32    | approx. 10   | approx. 21  | approx. 12   | approx. 28  | approx. 34              | approx. 45  | approx. 60  | approx. 22                               | approx. 28     | approx. 25                     | approx. 84 |
|  | Rigid PVC <sup>3</sup>  | approx. 10 | approx. 8  | approx. 5 | approx. 18                                | approx. 26                                 | approx. 7 | approx. 40  | approx. 26    | approx. 8  | approx. 104 | approx. 84   | approx. 110 | approx. 61              | approx. 240 | approx. 300 | approx. 145                              | approx. 160    | approx. 46                     | approx. 55 |
| Final strength in hours                  | 24  |            |            |           |   |  |           |             |               |  |             |              |             |                         |             |             |  |                |                                |            |



# 1-Component Adhesives and Sealants

# Cyanoacrylate Adhesives

## Technical Data

WEICON Contact in cured state

|  |  | VA 20  | VA 8312                | VA 8406                | VA 100                 | NSF<br>DIN EN ISO 10271<br>VA 110 | NSF<br>DIN EN ISO 10271<br>VA 1401                              | VA 300   | VA 1500                | GEL                    | VA 2500 HT                         | VA 30 Black            | VA 250 Black           | VA 1408  | VA 1460                | VA 1403                | VM 20                 | VM 120                               | VM 2000                | VA 2407 |  |
|--|--|--|------------------------|------------------------|------------------------|-----------------------------------|---|--|------------------------|------------------------|------------------------------------|------------------------|------------------------|--|------------------------|------------------------|-----------------------|--------------------------------------|------------------------|---------|--|
| Shear strength in MPa (psi) according to DIN EN 1465 | Sand-blasted steel   | 9-19<br>(1,300-2,760)  | 10-20<br>(1,450-2,900) | 12-22<br>(1,740-3,190) | 10-20<br>(1,450-2,900) | 16-20<br>(2,320-2,900)            | 13-22<br>(1,890-3,190)  | 14-21<br>(2,030-3,050)   | 14-21<br>(2,030-3,050) | 11-21<br>(1,600-3,050) | 15-24<br>(2,180-3,480)             | 11-22<br>(1,600-3,190) | 10-24<br>(1,450-3,480) | 14-18<br>(2,030-2,600)   | 13-18<br>(1,890-2,600) | 15-18<br>(2,180-2,600) | 9-25<br>(1,300-3,630) | 10-25<br>(1,450-3,630)               | 11-25<br>(1,600-3,630) | 16 - 21 |  |
|  | Sand-blasted aluminium   | 5-14<br>(725-2,030)  | 7-14<br>(1,015-2,030)  | 8-16<br>(1,160-2,320)  | 7-15<br>(1,015-2,180)  | 8-15<br>(1,160-2,180)             | 8-16<br>(1,160-2,320)   | 9-15<br>(1,300-2,180)  | 7-15<br>(1,015-2,180)  | 5-15<br>(725-2,180)    | 8-18<br>(1,160-2,600)              | 7-18<br>(1,015-2,600)  | 8-18<br>(1,160-2,600)  | 8-12<br>(1,160-1,740)  | 8-12<br>(1,160-1,740)  | 9-12<br>(1,300-1,740)  | 6-19<br>(870-2,760)   | 7-19<br>(1,015-2,760)                | 7-19<br>(1,015-2,760)  | 10 - 15 |  |
|  | Rigid PVC  | 8-12<br>(1,160-1,740)  | 8-13<br>(1,160-1,890)  | 8-14<br>(1,160-2,030)  | 8-13<br>(1,160-1,890)  | 8-13<br>(1,160-1,890)             | 8-14<br>(1,160-2,030)   | 8-13<br>(1,160-1,890)  | 8-13<br>(1,160-1,890)  | 8-13<br>(1,160-1,890)  | 9-13<br>(1,300-1,890)              | 7-14<br>(1,015-2,030)  | 7-13<br>(1,015-1,890)  | 5-7<br>(725-1,015)   | 5-7<br>(725-1,015)     | 5-7<br>(725-1,015)     | 12<br>(1,740)         | 12<br>(1,740)                        | 12<br>(1,740)          | 10 - 14 |  |
|  | ABS  | 6-11<br>(870-1,600)  | 6-12<br>(870-1,740)    | 6-13<br>(870-1,890)    | 6-12<br>(870-1,740)    | 6-12<br>(870-1,740)               | 6-13<br>(870-1,890)   | 6-12<br>(870-1,740)  | 6-12<br>(870-1,740)    | 6-12<br>(870-1,740)    | 6-12<br>(870-1,740)                | 6-12<br>(870-1,740)    | 6-11<br>(870-1,600)    | 6-12<br>(870-1,450)  | 6-10<br>(870-1,450)    | 6-10<br>(870-1,450)    | 6-11<br>(870-1,600)   | 6-11<br>(870-1,600)                  | 6-11<br>(870-1,600)    | 13 - 15 |  |
|  | PC   | 6-12<br>(870-1,740)  | 6-13<br>(870-1,890)    | 6-13<br>(870-1,890)    | 6-13<br>(870-1,890)    | 6-13<br>(870-1,890)               | 6-13<br>(870-1,890)   | 6-12<br>(870-1,740)  | 6-12<br>(870-1,740)    | 6-12<br>(870-1,740)    | 9-13<br>(1,300-1,890)              | 7-13<br>(1,015-1,890)  | 7-13<br>(1,015-1,890)  | 5-8<br>(725-1,160)   | 5-8<br>(725-1,160)     | 5-8<br>(725-1,160)     | 5-12<br>(1,740)       | 5-12<br>(1,740)                      | 5-12<br>(1,740)        | 12 - 17 |  |
|  | NBR  | > 8 (1,150) (bonding exceeds strength of substrate)                  |                        |                        |                        |                                   |   |  |                        |                        |                                    |                        |                        |  |                        |                        |                       |                                      |                        |         |  |
| Temperature resistance                               |  | -50 to +80 °C<br>(-58 to +176 °F)<br>(briefly up to +100 °C/+212 °F) |                        |                        |                        |                                   | -50 to +120°C<br>(-58 to +248°F)<br>(briefly up to 150°C/302°F) | -50 to +80 °C<br>(-58 to +176 °F)<br>(briefly up to +100 °C/+212 °F) |                        |                        | -55 to +140 °C<br>(-67 to +284 °F) |                        |                        | -50 to +80 °C<br>(-58 to +176 °F)<br>(briefly up to +100 °C/+212 °F) |                        |                        |                       | -20 °C to +120 °C<br>(-4 to +248 °F) |                        |         |  |
| Squatting temperature                                | +150 °C (302 °F)   |  |                        |                        |                        |                                   |   |  |                        |                        |                                    |                        |                        |  |                        |                        |                       |                                      |                        |         |  |
| Refractive index n <sub>D</sub> <sup>20</sup>        | approx. 1,49 (similar to glass) / for types VA 30 Black and VA 250 Black not applicable  |  |                        |                        |                        |                                   |   |  |                        |                        |                                    |                        |                        |  |                        |                        |                       |                                      |                        |         |  |
| Linear thermal expansion coefficient                 | approx. 80 · 10 <sup>-6</sup> m/(m·K)  |  |                        |                        |                        |                                   |   |  |                        |                        |                                    |                        |                        |  |                        |                        |                       |                                      |                        |         |  |
| Specific forward resistance, DIN IEC93               | > 10 <sup>15</sup> Ω·cm  |  |                        |                        |                        |                                   |   |  |                        |                        |                                    |                        |                        |  |                        |                        |                       |                                      |                        |         |  |
| Dielectric strength                                  | 25 KV/mm   |  |                        |                        |                        |                                   |   |  |                        |                        |                                    |                        |                        |  |                        |                        |                       |                                      |                        |         |  |
| Thermal conductivity DIN EN ISO 22007-4              | approx. 0.1 W/(m·K)  |  |                        |                        |                        |                                   |   |  |                        |                        |                                    |                        |                        |  |                        |                        |                       |                                      |                        |         |  |
| Solubility   | Dimethyl formamide, dimethyl sulfoxide, acetonitrile, alkali. Swelling is possible after long-time storage in ethyl acetate, acetone and methylene chloride. |  |                        |                        |                        |                                   |   |  |                        |                        |                                    |                        |                        |  |                        |                        |                       |                                      |                        |         |  |

\* Achieved in normal climate DIN 50014 +23°C (+73°F) and 50% relative air humidity. Within the given time period, handling strength can be reached.  
\*\*These details are dependent on the type of material to be bonded and its properties

- 1) Sand-blasted aluminium
- 2) ABS
- 3) Rigid PVC, not pre-treated



**MS-Polymers**

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- Adhesives / Sealants
- Technical Sprays
- Technical Liquids
- Assembly Pastes
- Lubricants
- WEICON TOOLS®
- Other



# Elastic Adhesives and Sealants



## Elastic Adhesives / Sealants

Today, elastic adhesives and sealants are used in many areas of industrial production and assembly. They combine the advantages of adhesive bonding and sealing technology and are used wherever the elasticity and the sealing of a joint are the most important requirements.

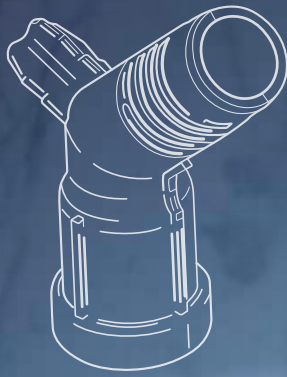


Nonfood Compounds  
Program Listed (Category Code)  
(Registration #)

### Surface pre-treatment

Most materials can be bonded well to themselves and among each other. For certain materials or extreme requirements, we recommend the use of an adhesion agent (primer).

A mechanical surface pre-treatment, e.g. sanding or sandblasting, can considerably improve the adhesion.



# INNOVATION



## Ergo Connect for Presspack

Ergonomic dosing tip for WEICON Presspack products.

The optimised angle geometry ensures fatigue-free working even over longer periods of time. The two-way thread enables an application radius of 180°. Compatible with WEICON dosing tips and brush top.

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

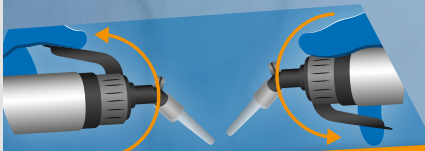
Lubricants

WEICON TOOLS®

Other



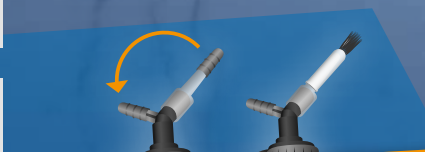
**ERGONOMIC**  
handling



**180° APPLICATION**  
thanks to two-way thread



**IDEAL ANGLE**  
for perfect applications



**SAFE AND FLEXIBLE**  
cap can be locked  
compatible with WEICON dosing tip and brush top

## Presspack Ergo Connect 10-Pack

10060345



## Dosing tips 10-pack

10045037





# Elastic Adhesives and Sealants MS-Polymers

## Flex 310 M® Classic



Suitable for universal use | ISEGA-certified

WEICON Flex 310 M Classic Adhesive and Sealant is strong, paintable (wet-on-wet), sandable, has outstanding ageing stability and good resistance to UV rays. It is resistant to freshwater and salt water and is free of silicone, isocyanate, halogens or solvents.

The product has an ISEGA certificate and can be used as an adhesive in food technology. Flex 310 M Classic is an elastic adhesive on MS polymer basis and is suitable for the bonding of metals, many plastics, ceramic, wood, glass and stone. WEICON Flex 310 M Classic can be used in metal construction, tank and apparatus engineering, carriage, vehicle and container construction, ventilation and air conditioning systems, in the electrical industry, yacht and boat construction and in all applications where silicones or products containing silicones are not suitable.

- |                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| ▶ 310 ml<br>10002576<br>white     | ▶ 310 ml<br>10010026<br>grey      | ▶ 310 ml<br>10010024<br>black     |
| ▶ 200 ml<br>10057238<br>Presspack | ▶ 200 ml<br>10057240<br>Presspack | ▶ 200 ml<br>10057245<br>Presspack |

## Flex 310 M® Crystal



Crystal-clear curing | ISEGA-certified

WEICON Flex 310 M Crystal adhesive and sealant is transparent, strong, paintable (wet in wet), sandable, has outstanding ageing stability and good resistance to UV rays. It contains no silicone, isocyanate, halogens or solvents.

WEICON Flex 310 M Crystal has an ISEGA certificate and can be used as an adhesive in food technology.

WEICON Flex 310 M Crystal is an elastic adhesive on MS polymer basis and is suitable for the bonding of glass, PC\*, PMMA\* and acrylic glass\*, metals, many plastics, ceramics, wood and stone. The product is crystal clear after curing and is particularly suited for elastic joints where the adhesive should or must not be visible.

Flex 310 M Crystal can be used in plastic processing, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, the electrical and lighting industry, in exhibition stand construction and shopfitting and in all applications where silicones or products containing silicones are not suitable.

\* = Only tension-free bonding

- |                      |                                   |
|----------------------|-----------------------------------|
| ▶ 310 ml<br>10033740 | ▶ 200 ml<br>10057247<br>Presspack |
|----------------------|-----------------------------------|



VIDEO



**Flex 310 M® Stainless-Steel**



**For stainless steel, aluminium and non-ferrous metals | ISEGA-certified**

WEICON Flex 310 M Stainless-Steel Adhesive and Sealant is non-corrosive, strong, paintable (wet-on-wet), sandable, resistant to ageing and UV rays and is free of silicone, isocyanate, halogens or solvents. WEICON Flex 310 M Stainless-Steel is an elastic adhesive on MS polymer basis and is suitable for bonding and sealing of seams and joints on metals such as stainless steel, aluminium and non-ferrous metals. Flex 310 M Stainless-Steel can also be used in all application fields where the colour of the adhesive and sealant must match the surface material (e. g. stainless steel, aluminium, etc.).

WEICON Flex 310 M Stainless-Steel can be used in metal construction, tank and apparatus engineering, food industry, in kitchen and sanitary installations, ventilation and air conditioning systems, and in all applications where silicones or products containing silicones are not suitable.

- ▶ 310 ml
- 10049091
- Stainless-Steel



**Flex 310 M® Super-Tack**

**High initial strength**

WEICON Flex 310 M Super-Tack Adhesive and Sealant is very strong, non-corrosive, paintable (wet-on-wet), sandable, weather resistant, resistant to UV rays and is free of silicone, isocyanate, halogens or solvents. Flex 310 M Super-Tack is a strong, elastic adhesive on MS polymer basis. Both the very high initial bonding power and the fast development of adhesive strength enable bonds to be achieved even on vertical surfaces.

WEICON Flex 310 M Super-Tack is suitable for the bonding of metals, many plastics, ceramics, wood, glass and stone. It replaces screws, pegs, rivets and other traditional fixings. Flex 310 M Super-Tack can be used for drywall and interior work, in metal construction, tank and apparatus engineering, ventilation and air conditioning systems, in yacht and boat constructions, exhibition stand construction and shopfitting and in all applications where silicones or products containing silicones are not suitable.

- ▶ 290 ml
- ▶ 290 ml
- 10023926
- 10023929
- white
- grey



**Flex 310 M® Liquid black**



**Liquid | self-levelling | ISEGA-certified**

Flex 310 M Liquid black is a self-levelling, 1-component casting and coating mass based on polyoxypropylene. The product is permanently elastic and paintable after curing. The flexible adhesive and sealant cures odourless, is resistant to weather and UV rays, has an excellent resistance to ageing and is free of silicone.

Flex 310 M Liquid black can be used in diverse applications for the bonding and sealing of many different materials such as metals, many plastics, ceramics, wood, glass or stone and for insulation and impregnation.

The flexible adhesive and sealant can also be used in other industrial areas, such as in tank and apparatus construction, in car bodywork, container and vehicle construction, in pipeline and fittings construction, in the energy and electrical industries, in sound insulation and insulation technology and in plastics technology.

- ▶ 310 ml
- 10057733
- black

Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



## Elastic Adhesives and Sealants

# MS-Polymers

### Flex 310 M® HT 200

#### High-temperature-resistant

The high temperature resistance makes it possible to bond and seal components needing to be subsequently thermal-coated (powdercoated).

WEICON Flex 310 M HT 200 can be used in metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, carriage, container, wagon and vehicle construction.

Flex 310 M HT 200 has been tested in accordance with DIN EN 45545-2 R1, R7, R17 HL3 and fulfils the requirements for rail vehicles. WEICON Flex 310 M HT 200 adhesive and sealant is highly temperature-resistant, has outstanding ageing resistance, and is free of silicone, isocyanate, halogens or solvents.

- ▶ 310 ml  
10031149  
grey

The ideal adhesive for  
**POWDER-COATING**

Meets the standard  
DIN EN 45545-2 R1/R7/R17 HL3



Glued and (subsequently) powdercoated plant tubs.  
Flex 310M® HT 200

### Flex 310 M® HT 220+

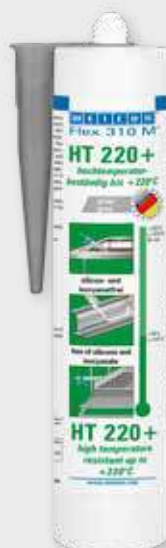
#### High-temperature-resistant up to +220 °C

Fast-curing, elastic, high-temperature-resistant 1-component SMP-based adhesive and sealant for tolerance-bridging joints. Viscoplastic, very fast strength build-up, good initial adhesion, moisture-curing, neutral cross-linking. In the cured state, Flex 310 M HT 220+ can be loaded once for approx. 30 minutes with temperatures up to +220 °C and permanently up to +90 °C. Adheres to a wide variety of surfaces. Free from solvents, halogen, silicone and isocyanate. High resistance to weathering and ageing. Good resistance to water, aliphatic solvents, oils, greases, diluted inorganic acids and alkalis.

The high temperature resistance makes it possible to bond and seal components, which will be thermal-coated (powder-coated) afterwards.

WEICON Flex 310 M HT 220+ can be used in metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, in car body, container, wagon and vehicle construction.

- ▶ 290 ml  
10067865  
grey



### Flex 310 M® 2 K

#### Fast-curing

The WEICON Flex 310 M 2 K Adhesive and Sealant is very strong, non-corrosive, paintable (wet in wet), sandable, weather-resistant, resistant to UV rays and is free of silicone, isocyanate, or solvents.

Flex 310 M 2 K is a strong 2-component system on a hybrid polymer basis which enables fullsurface bonding of larger parts and which can be used to fill gaps of up to ten millimetres. It is suitable for the bonding of almost all materials such as metal and many plastics.

WEICON Flex 310 M 2 K can be used in metal construction, tank and apparatus engineering, machine and system construction, in the furniture industry, in ventilation and air conditioning systems, in the electrical industry, yacht and boat construction and in all applications where silicones or products containing silicones are not suitable.

- ▶ 250 ml  
10027733  
grey
- ▶ 400 ml  
10062232  
grey



**Speed-Flex®**



**Replaces traditional fixings | ISEGA-certified**

WEICON Speed-Flex is very strong, pasty, stable, paintable (wet-on-wet), resistant to ageing, weathering, and UV rays and is free of silicone, isocyanate and halogen. WEICON Speed-Flex has an ISEGA certificate and can be used as an adhesive in foodstuff technology.

WEICON Speed-Flex is an adhesive on MS polymer basis with extremely strong initial strength and is suitable for the bonding of metals, many plastics, ceramics, wood, glass and stone.

Speed-Flex replaces traditional fixings such as screws, pegs, rivets, etc. The very high initial strength makes bonding possible even on vertical surfaces in indoor and outdoor areas. WEICON Speed-Flex can be used for drywall and interior work, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, in exhibition stand construction and shopfitting and in all applications where silicones or products containing silicones are not suitable.

- ▶ 310 ml **10019651** white
- ▶ 310 ml **10019653** grey
- ▶ 310 ml **10019652** black



**Speed-Flex® Crystal**



**Crystal-clear adhesion | ISEGA-certified**

Speed-Flex Crystal is a quick-acting, strong and general-purpose power adhesive on MS polymer basis.

Due to its crystal-clear curing properties, Speed-Flex Crystal is particularly suitable in areas which should remain visually appealing, where no adhesive seam should be visible. Thus e.g. transparent plastics, acrylic glass or other materials can be connected quickly, cleanly and reliably.

- ▶ 310 ml
- 10039109** transparent

**Flex 310 M® Hybrid**

**Universally applicable, strong and flexible adhesive and sealant**

Universally applicable, permanently elastic, fast-curing and strong 1-component SMP-based adhesive and sealant. Neutral cross-linking, absolutely weather-resistant, odourless and very low emission: free of silicone, isocyanate and solvents.

WEICON Flex 310 M Hybrid adheres very well even to powder-coated, galvanised, anodised, chromated as well as hot-dip galvanised surfaces. Range of adhesion: metal, plastics, natural stone, concrete, masonry, plaster, wooden floors, glass and much more.

The adhesive and sealant can be used in industrial areas, such as in tank and apparatus construction, in car body, container and vehicle construction, in pipeline and fittings construction, in the energy and electrical industries, in insulation technology and in plastics technology. In addition, WEICON Flex 310 M Hybrid has a high mould resistance and is compatible with natural stone. This means that the sealant can be used in many areas, such as in the sanitary sector or in the construction industry.

- ▶ 310 ml
- 10067875** grey



**Windscreen Adhesive**



**Elastic 1-C adhesive and sealant for mounting glass and window panes | ISEGA-certified**

WEICON Windscreen Adhesive is an elastic 1-C adhesive and sealant based on MS-Polymer, which is specially designed to mount glass and window panes. For example, the adhesive bonds windcreens, rear windows and side windows in powered industrial trucks, agricultural machines, and construction machines. It is also suitable for furniture manufacture or for installations in gardening and landscaping.

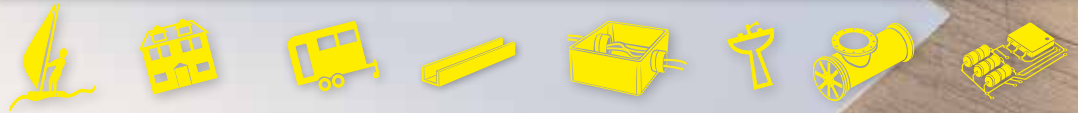
Windscreen Adhesive provides high adhesive strength on many materials and cures with air humidity. The adhesive shows excellent ageing resistance and good UV stability. It is joint-filling, odourless, and free of silicones, isocyanates, halogens, and solvents.

- ▶ 200 ml **10058069** Presspack
- ▶ 310 ml **10058067** Cartridge

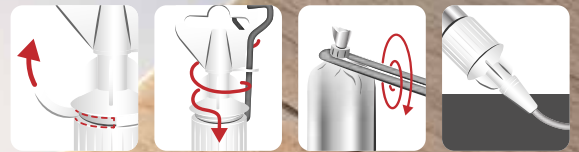




# Elastic Adhesives and Sealants MS-Polymere



**NEW** Now in a mini tube-shaped bag



## Flex+bond®



Highly elastic | strong | ISEGA-certified

WEICON Flex+bond is strong, permanently elastic, temperatureresistant from -40°C to +90°C (-40°F to +194°F), weather-resistant, resistant to UV rays, paintable (wet-on-wet), sandable, and resistant to ageing and salt water. It is free of silicone, isocyanate, halogens and solvents.

WEICON Flex+bond has an ISEGA certificate and can be used as an adhesive in foodstuff technology. WEICON Flex+bond can be used to bond nearly all materials, such as metal, wood, plastic, glass, and ceramics.

- ▶ 85 ml  
10012994  
white
- ▶ 85 ml  
10014356  
black
- ▶ 85 ml  
10018364  
transparent

Display  
12 x Flex+bond

10101788



## Green Tube Flex 310 M® F1X **NEW**

strong adhesion | universally applicable | isocyanate-free

WEICON Flex 310 M F1X is an elastic adhesive and sealant based on MS polymer. The grey adhesive is very strong and universally suitable for permanently fixing almost all materials to a variety of surfaces. Thanks to the very high initial adhesion, bonding is possible on vertical surfaces and even overhead, both indoors and outdoors. For example, Flex 310 M F1X can be used to bond metals, many plastics, ceramics, wood, glass and stone to each other.

The permanently elastic adhesive can be painted over "wet on wet", is sandable, weather-resistant, moisture-resistant, ageing-resistant, mould-resistant and UV-resistant. It is briefly (\*up to 30 minutes) resistant to temperatures up to 180°C and can be powder-coated after a curing time of four days.

The adhesive and sealant is free of silicone, isocyanates, halogens and solvents and is non-corrosive. Flex 310 M F1X can be used for fixing skirting boards, acoustic panels, strips, frames, panels, boards, tiles, stones and EPDM foil. It can be used in drywall and interior construction, metal construction, tank and apparatus construction, container construction, ventilation and air conditioning technology, trade fair and shop construction, yacht and boat building and wherever silicones or products containing silicone are not suitable.



Green  
Tube®

Erhöhte Lagerstabilität  
**+18 Monate**  
Longer shelf life

Hochtemperaturbeständig  
**+180 °C**  
high-temperature-resistant

▶ 280 ml  
10102385  
grey

- ▶ suitable for maritime ventilation systems
- ▶ for applications in sensitive areas and for room ventilation systems

**Flex 310 M® ProSeal**

Multi-purpose high-strength adhesive and sealant

Multi-purpose, permanently elastic, fast-curing and high-strength 1-C adhesive and sealant based on SMP. Neutral curing, entirely weather-resistant, very low emissions and odour as well as free of silicone, isocyanate and solvents. Tested and approved for applications in food-related areas and for ventilation and air-conditioning systems in accordance with VDI 6022. Meets the requirements of the International Maritime Organisation IMO FTPC Parts 2+5.

WEICON Flex 310 M® ProSeal adheres very well even to powder-coated, painted, galvanised, anodised, chromated and hot-dip galvanised surfaces. Adhesion range: metal, plastics, natural stone, concrete, masonry, plaster, wooden floors, glass, and many more. The sealant has a high mould

resistance, is compatible with natural stone and can be used in many areas, such as food and beverage production, air conditioning and ventilation construction, the maritime industry, sanitary facilities, or the construction industry.

Moreover, WEICON Flex 310 M® ProSeal can be used in other industrial areas, such as in tank and apparatus construction, in car bodywork, container and vehicle construction, in pipeline and fittings construction, in the energy and electrical industries, in sound insulation and insulation technology and in plastics technology.

▶ 310 ml  
10060643  
grey



**Flex 310 M® FireSeal**

Permanently elastic adhesive and sealant based on SMP with a fire resistance up to 120 minutes | tested and classified for all joint structures according to EN 1366-4

The paint-compatible sealant with very low volume shrinkage meets the highest demands in terms of fire protection, such as the requirements of the International Maritime Organisation IMO FTPC Parts 2+5 as well as for rail vehicles in accordance with DIN EN 45545-2 R22/23 HL3. The very low emissions allow safe indoor application.

Flex 310 M® FireSeal adheres very well even to powdercoated, painted, galvanised, anodised, chromated and hot-dip galvanised surfaces. It is suitable for use on metal, plastics, concrete and wood. The adhesive and sealant can be used in

many application areas. It is suitable for fire barriers and covers, for joints in non-structural components with fire resistance requirements, for connection joints and for sealing cable ducts, pipe openings and housings. Flex 310 M® FireSeal can also be used in other industrial areas, such as vehicle and body construction, container construction, apparatus and fittings construction, the energy and electrical industries, insulation technology and plastics technology.

▶ 310 ml  
10060645  
concrete-grey



- ▶ fire resistance up to 120 minutes
- ▶ meets the highest standards in maritime fire protection and in rail vehicle construction

DIN EN 45545-2 R22/23 HL3





# Elastic Adhesives and Sealants MS-Polymers

## Solar-Flex®

### Developed for solar industry

WEICON Solar-Flex® is strong, non-corrosive, paintable (wet-on-wet), weather-resistant and resistant to UV rays. It is free of silicone, isocyanate, halogens and solvents. WEICON Solar-Flex® is an elastic adhesive on MS polymer basis specially developed for the solar industry.

Both the very high initial bonding strength and the fast development of adhesive strength enable bondings even on vertical surfaces. Replaces traditional fixings in the assembly of solar and photovoltaic power systems.

- ▶ 290 ml    ▶ 290 ml
- 10025036**    **10025038**
- white            grey



Especially for the solar industry



Adhesives / Sealants

Technical Sprays

Technical Liquids

## Ideal for wet and moist surfaces

## Aqua-Flex



### Ideal for wet and moist surfaces | ISEGA-certified

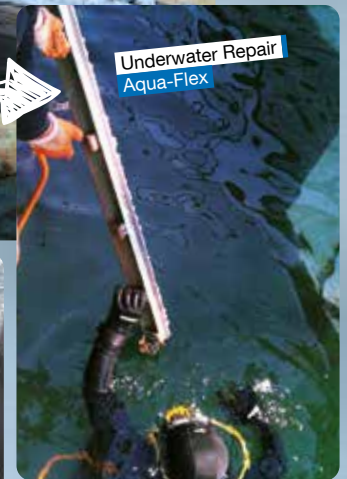
WEICON Aqua-Flex Adhesive and Sealant is strong, has outstanding ageing stability, and is resistant to weathering, UV rays, freshwater and salt water. It is free of silicone, isocyanate, halogens or solvents.

Aqua-Flex has an ISEGA certificate and can be used as an adhesive in foodstuff technology.

WEICON Aqua-Flex is an elastic adhesive and sealant on MS polymer basis for wet and damp substrates. It is suitable for the bonding of numerous materials such as metal, plastic, ceramics, wood, glass and stone.

Aqua-Flex can be used for pipeline and cable work, tank and apparatus engineering, in ventilation and air conditioning systems, gardening and landscaping, in sanitary installations and in all applications where silicones or products containing silicones are not suitable.

- ▶ 310 ml    ▶ 310 ml    ▶ 310 ml
- 10021673**    **10021678**    **10021677**
- white            grey            black



VIDEO



Assembly Pastes

Lubricants

WEICON TOOLS®

Other



## Recoating behavior of 1-Component Elastic Adhesives and Sealants (MS polymers and polyurethanes)

WEICON MS polymers and polyurethanes are basically free of substances which are harmful to the coating composition, such as silicone, and can thus be "recoated".

Various paints and varnishes are widely available, for example:.

- ▶ alkyd resin
- ▶ acrylate resin
- ▶ nitrocombil
- ▶ polymerisate resin paints
- ▶ polyurethane varnishes (DD varnishes)
- ▶ epoxy resin lacquer
- ▶ polyester lacquer

Except for the above-mentioned alkyd resins, all systems are generally suitable. However, in order to test the compatibility with our products, a suitability in preliminary tests must always be determined individually under the respective practical conditions. Due to the different compositions and the diversity of the substrates, this is essential.

It also must be taken into account that not only the immediate first paint layer or lacquer layer, but also all possible intermediate lacquers or top lacquers, have an effect on the bonding and / or sealing.

WEICON polyurethanes:

- ▶ Flex 310 PU
- ▶ Fast-Bond

**Painting only after complete curing with suitable colour coating systems.**

WEICON MS-polymers

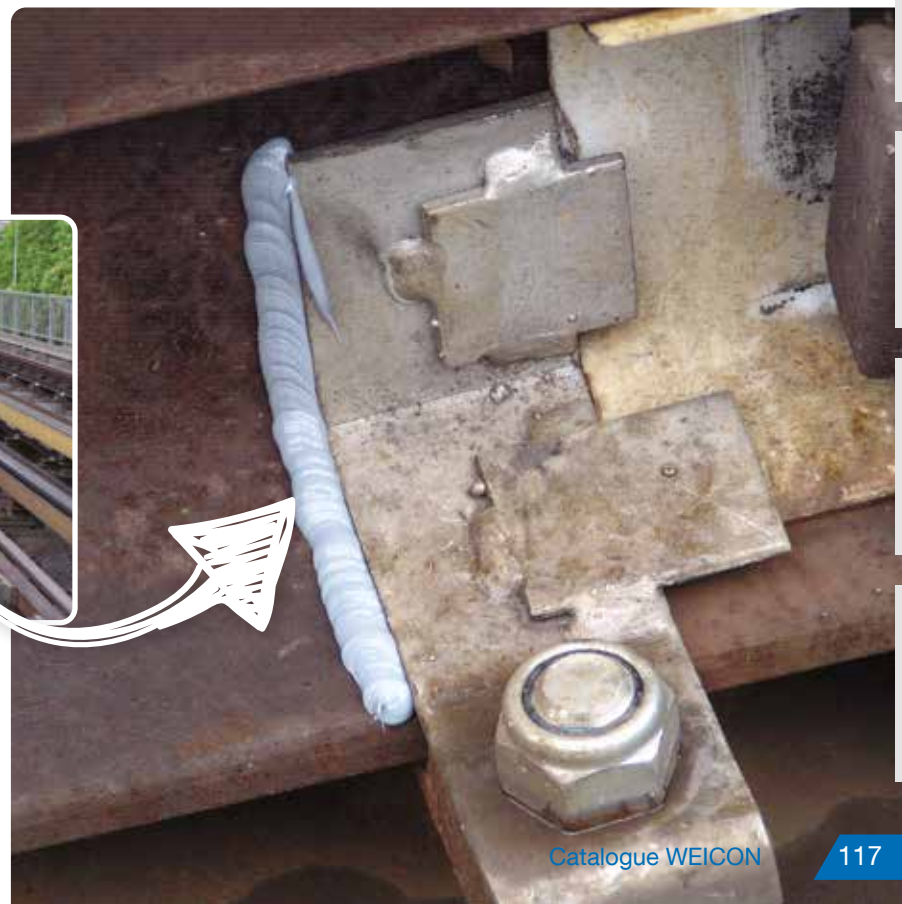
- ▶ Flex 310 M® in the versions: Classic, Crystal, Stainless-steel, Liquid, Super-Tack, HT 200, 2 K
- ▶ Flex+bond®
- ▶ Solar-Flex®, Aqua-Flex®, Speed-Flex®

**Recommendation:**  
Directly wet-on-wet, but at the latest within three hours after application of the material. During this period the best adhesion values are achieved. If the adhesive bead is fully cured, pre-treatment should be carried out with e.g. primers (as in the case of plastic coatings).

In general, it must be considered that the curing of the adhesives and sealants is not prevented by a color coating, but will be slowed down.



# Elastic Adhesives and Sealants



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Bonding of a skylight  
(food truck)  
Flex 310 PU



**Flex 310 PU**



**Adhesive and sealant based on PU | strong | permanently elastic | ISEGA-certified**

WEICON Flex 310 PU Adhesive and Sealant is permanently elastic, strong, paintable, and resistant to weather, UV rays, freshwater and salt water. It is free of silicone.

Flex 310 PU is an elastic adhesive and sealant on Polyurethane basis (PUR) for the bonding and sealing of numerous materials such as metals, plastics, ceramics, wood, glass and stone.

Flex 310 PU can be used in tank and apparatus engineering, carriage, container and vehicle construction, in ventilation and air conditioning systems, the energy and electrical industry and in all applications where silicones or products containing silicones are not suitable.

- ▶ 300 ml **10004287** white
- ▶ 300 ml **10002571** black
- ▶ 300 ml **10002573** grey



**WEICON Cartridge Guns**



**Cartridge Gun „Special“**

- ▶ Professional quality
- ▶ Recommended for medium and high viscosity adhesives
- ▶ Suitable for standard cartridges up to 310 ml

10020751

**Compressed Air Cartridge Gun**

- ▶ For low and medium viscosity materials (310 ml cartridges)
- ▶ 1.45 kN thrust at 6.8 bar operating pressure

10033114



**Cartridge Gun „Standard“**

- ▶ For low and medium viscosity adhesives
- ▶ Suitable for standard cartridges up to 310 ml

10000441



**Dispenser 2C 10:1**

- ▶ Recommended for the 2-component 540g cartridge

10057514



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Elastic Adhesives and Sealants

# Polyurethanes

## Fast-Bond

**Fast-curing, 1-component structural and assembly adhesive for universal use on polyurethane basis (PUR)**

Fast-Bond Structural and Assembly Adhesive is strong, paintable, sandable, and resistant to weathering, UV rays, freshwater and salt water. It is free of silicone or solvents.

WEICON Fast-Bond is suitable for the bonding of MDF panels, wood panels, chipboards, fibre and plaster boards, concrete, marble, natural and artificial stone, ceramics, gypsum, metals and rigid foams.

► 310 ml

10015372

beige



VIDEO



Bonding of edge banding/edge protection on chipboards |  
Fast-Bond

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



**Silicone A**

**Acetoxy curing | fungicidal**

WEICON Silicone A Adhesive and Sealant contains no solvents, is acetoxy curing, strong, permanently elastic, resistant to ageing and chemicals, temperature-resistant up to +200°C (+392°F), extremely elastic (breaking elongation >500%) and can be used universally. Silicone A adheres very well to steel, aluminium, glass, ceramics, and many additional materials.

WEICON Silicone A can be used in machine and system construction, ventilation and air conditioning systems, in the energy and electrical industry, in exhibition construction and shopfitting and in many additional industrial applications.



▶ 310 ml  
10000411  
white

▶ 310 ml  
10000418  
grey

▶ 310 ml  
10000423  
black

▶ 310 ml  
10000409  
transparent

**Tube**

▶ 85 ml  
10000408  
transparent

**Cartridge**

**Silicone F**

**Liquid | self-levelling | neutral curing**

WEICON Silicone F Casting and Sealing compound is liquid, self-levelling, spreadable, free of solvents and neutral curing. It is resistant to weathering and ageing, temperature-resistant up to +180°C (+356°F), extremely elastic (breaking elongation of approx. 370%) and can be used universally.

Silicone F can be specially used for elastic bonds, insulation and impregnation and even for the sealing and casting (max. 10 mm) of technical components. It adheres well to steel, aluminium, glass, ceramics, and many additional materials.

Silicone F can be used in machine and system construction, in plastic processing, the energy and electrical industry, in exhibition construction and shopfitting and in many additional industrial areas.



▶ 310 ml  
10000492

**Silicone LP**

**Acetoxy curing | drinking water approval**

WEICON Silicone LP is an acetoxy curing and permanently elastic adhesive and sealant. It is resistant to chemicals, ageing, weathering and UV radiation as well as to temperatures up to +180°C C (+356°F).

It adheres very well to steel, aluminium, glass, plastics and many other materials. Silicone LP was developed specially for use in sensitive areas. It can be used as sealant in the food and drinking water sector, for example in dairies, slaughterhouses, in the food and beverage production or in canteen kitchens.



Tested by the Ruhr Region Institute of Hygiene ("Hygiene-Institut des Ruhrgebiets") in accordance with the Guidelines for Hygienic Assessment of Organic Materials in Contact with Drinking Water (KTW Guideline) by the Federal Environmental Agency of Germany

▶ 310 ml  
10053997  
white

▶ 310 ml  
10060604  
transparent



**WEICON Primer E 500**

Especially for silicone - for pre-treating non-absorbent surfaces such as aluminium, VA steel, brass, copper, zinc, tinplate and enamel, ceramic and glass as well as plastics such as ABS, PVC hard, PA 6.6, GFC etc.

▶ 25 ml  
10060616

▶ 250 ml  
10035220





# Elastic Adhesives and Sealants

## Silicones

### Silicone N

#### Neutral curing | fungicidal

WEICON Silicone N Adhesive and Sealant is free of solvents, is neutral curing, strong, permanently elastic, resistant to weathering, ageing and chemicals, temperature-resistant up to +180°C (+356°F), extremely elastic (breaking elongation of approx. 800%) and can be used universally.

Silicone N adheres very well to all metals, glass, ceramics, and many additional materials. WEICON Silicone N can be used in plastic processing, the electrical industry, energy technology, the lighting industry, exhibition construction and shopfitting and in many additional industrial areas.



▶ 310 ml  
10014360  
transparent

### HT 300

#### High-temperature-resistant | acetoxo curing

WEICON HT 300 Adhesive and Sealant is red, high-temperature-resistant (+300°C/+572°F), free of solvents, strong and acetoxo curing. It is resistant to weathering, ageing and chemicals and is extremely elastic (breaking elongation of approx. 300%). HT 300 is particularly suitable for heat-exposed bonds and seals and adheres very well to steel, aluminium, glass, ceramics and many additional materials.

HT 300 can be used in industrial furnaces, flue gas systems, heating installations, exhaust gas routing, heating cabinets and in many additional areas.



▶ 85 ml  
10005243  
Tube

▶ 310 ml  
10000432  
Cartridge

### Black-Seal

#### Extremely resistant against oil and grease

WEICON Black-Seal Adhesive and Sealant is black, high-temperature-resistant (+280°C/+536°F), free of solvents, strong, oil-resistant, grease-resistant, pressure-resistant, resistant to ageing and extremely elastic (breaking elongation of approx. 500%).

Black-Seal is suitable for bonding and sealing in applications where particularly high oil and grease resistance is required. WEICON Black-Seal can be used on gearbox, valve and casing covers, oil sumps, water pumps, gears and axles, flanges, tanks and containers, and in many other areas.

▶ 85 ml    ▶ 200 ml    ▶ 310 ml  
10022222    10000763    10022221  
Tube    Presspack    Cartridge



VIDEO



## Technical Data

| WEICON Adhesives and Sealants in non-cured condition                 |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|
|  | Flex 310 M® Classic  | Flex 310 M® Crystal  | Flex 310 M® HT 200   | Flex 310 M® HT 220+  | Flex 310 M® Super-Tack   | Flex 310 M® Stainless-steel  | Flex 310 M® Liquid black   | Flex 310 M® 2 K                        | Flex 310 M® ProSeal  | Flex 310 M® FireSeal   |
|  | ✓  | ✓  |  |  |  | ✓  | ✓  |  | ✓  |  |
| Base:  | 1 C.-Polyoxypropylen   | 1 C.-Polyoxypropylen   | 1 C.-MS-Polymer  | 1 C. MS-Polymer  | 1 C.-MS-Polymer  | 1 C.-MS-Polymer  | 1 K MS-Polymer   | 2-C Hybrid-Polymer                     | silane-modified polymer  | silane-modified polymer  |
| Colour:  | white, grey black  | transparent crystal-clear  | grey   | grey   | white, grey  | stainless-steel  | black  | grey                                   | grey   | concrete-grey  |
| Content/Container:   | 310 ml   | 310 ml   | 310 ml   | 290 ml   | 290 ml   | 310 ml   | 310 ml   | 250 ml                                 | 310 ml   | 310 ml   |
| Density g/cm <sup>3</sup> :  | 1.44   | 1.06   | 1.41   | 1.5  | 1.62   | 1.08   | 1.00   | 1.40                                   | 1.48   | 1.47   |
| Viscosity:   | pasty  | pasty  | pasty  | pasty  | pasty  | pasty  | 20.000 mPa.s   | solid paste                            | pasty  | pasty  |
| Stability/Run-off (ASTM D 2202) mm:                                  | 1  | <1   | <1   | <1   | <1   | <1   | self-levelling   | -                                      | ≤3   | ≤3   |
| Processing temperature:  | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   | +5 to +35°C (+41 to +95°F)             | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   | +5°C to +40°C <sup>2</sup> (+41 to +104°F)   |
| Cure type:   | by humidity  | by humidity  | by humidity  | by humidity  | by humidity  | by humidity  | by humidity  | chemical polymerisation                | by humidity  | by humidity  |
| Curing condition:  | +5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity   | +5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity   | +5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity   | +5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity   | +5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity   | +5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity   | +5 to +40°C (+41 to +104°F) and 40% to 70% rel. humidity   | -                                      | +5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity   | +5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity   |
| Skin-over time (minutes) <sup>3</sup>                                | 25 min.  | 10 min.  | 10 min.  | 10 Min.  | 10 min.  | 15 min.  | 160 min.   | -                                      | 13 min.  | 12 min.  |
| Cure speed: <sup>3</sup>   | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | ≥ 2,5 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | -                                      | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   |
| Pot life (at +23°C/+73°F and 50% rel. air humidity)                  | -  | -  | -  | -  | -  | -  | -  | approx. 10 min.                        | -  | -  |
| Set to load bearing  | -  | -  | -  | -  | -  | -  | -  | approx. 60 min.                        | -  | -  |
| Volume change (DIN EN ISO 10563) %: <sup>3</sup>                     | -1   | -3   | -  | -  | -2   | -1   | -  | approx. 1%                             | ≤3%  | ≤3%  |
| Gap filling up to max. mm:   | 5  | 5  | -  | -  | 10   | 5  | -  | 10                                     | 5  | 5  |
| Gap width up to max. mm:   | 25   | 25   | -  | -  | 30   | 25   | -  | -                                      | 40   | 50   |
| Shelf life in months: (at constant room temperature)                 | 12   | 12   | 12   | 12   | 12   | 12   | 12   | 12                                     | 18   | 18   |
| WEICON Adhesives and Sealants in cured condition                     |  |  |  |  |  |  |  |  |  |  |
| Shore-A-Hardness (DIN ISO 7619):                                     | 42   | 40   | 55   | 57   | 50   | 45   | 20   | 40                                     | 32   | 26   |
| Elongation at break (DIN EN ISO 527 / 5A) %:                         | 650  | 300  | 400  | 160  | 600  | 280  | 400  | 350                                    | 600  | 225  |
| Tensile strength of the pure adhesive/sealant (DIN EN ISO 527 / 5A): | 3.3 N/mm <sup>2</sup> (480 psi)  | 3.0 N/mm <sup>2</sup> (440 psi)  | 3.2 N/mm <sup>2</sup> (460 psi)  | 3.4 N/mm <sup>2</sup> (493 psi)  | 1.9 N/mm <sup>2</sup> (280 psi)  | 3.1 N/mm <sup>2</sup> (450 psi)  | 1.5 N/mm <sup>2</sup> (200 psi)  | 2.2 N/mm <sup>2</sup> (319 psi)        | 1.6 N/mm <sup>2</sup> (232 psi)  | 1.5 N/mm <sup>2</sup> (200 psi)  |
| Average tensile shear strength (DIN EN 1465): <sup>4,4</sup>         | 2.1 N/mm <sup>2</sup> (300 psi)  | 2.0 N/mm <sup>2</sup> (290 psi)  | 1.8 N/mm <sup>2</sup> (260 psi)  | 1.6 N/mm <sup>2</sup> (232 psi)  | 1.5 N/mm <sup>2</sup> (218 psi)  | 2.5 N/mm <sup>2</sup> (360 psi)  | -  | 1.3 N/mm <sup>2</sup> (188 psi)        | 1.4 N/mm <sup>2</sup> (203 psi)  | 1.2 N/mm <sup>2</sup> (170 psi)  |
| Tear strength (DIN ISO 34):  | 20 kN/m (114 lb/in)  | 19 kN/m (108 lb/in)  | 21 kN/m (120 lb/in)  | -  | 13 kN/m (74 lb/in)   | 11 kN/m (63 lb/in)   | -  | -                                      | -  | -  |
| Movement absorption max. %:  | 15   | 20   | -  | -  | 20   | 20   | -  | -                                      | 20   | 20   |
| Temperature resistance:  | -40°C to +90°C (-40 to +194°F) briefly (approx. 2 h) to +130°C (+266°F)  | -40°C to +90°C (-40 to +194°F) briefly (approx. 2 h) to +120°C (+248°F)  | -40°C to +90°C (-40 to +194°F) briefly (approx. 30 min.) to +200°C (to +392°F)   | -40°C to +90°C (120 min. 200°C; 30 min. +220°C)  | -40°C to +90°C (-40 to +194°F)   | -40°C to +90°C (-40 to +194°F)   | -40°C to +90°C (-40 to +194°F)   | -40 to +90°C (-40 to +194°F)           | -40 to +90°C (-40 to +194°F)   | -40 to +90°C (-40 to +194°F)   |
| Specific forward resistance  | 1.0 x 10 <sup>10</sup> Ω·cm  | 1.2 x 10 <sup>12</sup> Ω·cm  | 3.4 x 10 <sup>11</sup> Ω·cm  | -  | -  | -  | -  | -                                      | -  | -  |
| Paintable: <sup>4,5</sup>  | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | -                                      | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) |
| Building material category (DIN 4102):                               | B 2  | B 2  | B 2  | B 2  | B 2  | B 2  | B 2  | B 2                                    | E (EN 13501-1)   | E (EN 13501-1)   |
| Possible primers:  | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127 | see primer selection table on page 127   | see primer selection table on page 127   |

<sup>2</sup> For easier processing, the cartridges, tubes, etc. should be heated to room temperature (+20°/+68°F) before use at low temperatures.

<sup>3</sup> Normal climate +23°C (+73°F) and 50% relative humidity.

<sup>4</sup> Material combination aluminium/aluminium, cleaned and degreased with Cleaner S, 1 mm layer thickness, 10 mm per minute tearing speed, fast-bond beech/beech, without pre-treatment, 1 mm layer thickness, 5 mm per minute tearing speed.

<sup>5</sup> The WEICON One-Component Adhesives and Sealants listed above are free of substances that hinder the coating of lacquer, e.g. silicone. Thanks to the special composition, these can be painted over with suitable paint coating systems (no alkyd resin paints). However, to check the compatibility, suitability must always be determined individually in preliminary tests under the respective real-life conditions. This is essential due to the different compositions and the diversity of the substrates. The curing of the adhesives and sealants is only slightly delayed by a coating of paint.





# Elastic Adhesives and Sealants

## Technical Data

| WEICON Adhesives and Sealants in non-cured condition                 |  |  |  |  |                                    |  |  |  |   |  |  |
|--|--|--|--|--|------------------------------------|--|--|--|---|--|--|
|  | Aqua-Flex  | Solar-Flex®  | Windscreen Adhesive  | Flex+bond®   |                                    | Flex 310 M® Hybrid   | Speed-Flex®  | Speed-Flex® Crystal  | Flex 310 PU   | Fast-Bond  | Flex 310 M® F1X  |
|  | ✓  |  | ✓  | ✓  |                                    |  | ✓  | ✓  | ✓   |  |  |
|  |  |  |  |  |                                    |  |  |  |   |  |  |
| Base:  | 1 C.-MS-Polymer  | 1 C.-MS-Polymer  | 1 C.-Polyoxypropylen   | 1-K MS-Polymer   |                                    | silane-modified polymer  | 1 C.-MS-Polymer  | 1 C.-MS-Polymer  | One-component polyurethane  | One-component polyurethane   | 1 C.-MS-Polymer  |
| Colour:  | white, grey, black   | white, grey  | black  | white, black   | transparent                        | grey   | white, grey, black   | transparent  | white, grey, black  | beige  | grey   |
| Content/Container:   | 310 ml   | 290 ml   | 310 ml, 200 ml   | 85 ml  |                                    | 310 ml   | 310 ml   | 310 ml   | 300 ml  | 310 ml   | 280 ml   |
| Density g/cm <sup>3</sup> :  | 1.44   | 1.62   | 1.44 g/cm <sup>3</sup>   | 1.44   | 1.06                               | 1.5  | 1.60   | 1.06   | 1.17  | 1.50   | 1.53   |
| Viscosity:   | pasty  | pasty  | pasty  | pasty  | pasty                              | pasty  | extremely pasty  | pasty  | pasty   | pasty  | pasty  |
| Stability/Run-off (ASTM D 2202) mm:                                  | 1  | <1   | 1  | 1  | <1                                 | ≤3   | <1   | <1   | 1   | >1   | <1   |
| Processing temperature:  | +5°C to +40°C*2<br>(+41 to +104°F)   | +5°C to +40°C*2<br>(+41 to +104°F)   | +5°C to +40°C*2<br>(+41 to +104°F)   | +5°C to +40°C*2<br>(+41 to +104°F)   |                                    | +5 °C to +40 °C*2<br>(+41 to +104 °F)  | +5°C to +40°C*2<br>(+41 to +104°F)   | +5°C to +40°C*2<br>(+41 to +104°F)   | +5°C to +40°C*2<br>(+41 to +104°F)  | +5°C to +40°C*2<br>(+41 to +104°F)                                 | +5°C to +40°C*2<br>(+41 to +104°F)   |
| Cure type:   | by humidity  | by humidity  | by humidity  | by humidity  |                                    | by humidity  | by humidity  | by humidity  | by humidity   | by humidity  | by humidity  |
| Curing condition:  | +5°C to +40°C<br>(+41 to +104°F)<br>and 30% to 95%<br>rel. humidity,<br>Aqua-Flex also<br>hardens under<br>water                           | +5°C to +40°C<br>(+41 to +104°F)<br>and 30% to 95%<br>rel. humidity  | +5 to +40°C (+41<br>to +104°F) and<br>30% to 95% rel.<br>humidity  | +5°C to +40°C (+41 to +104°F)<br>and 30% to 95% rel. humidity  |                                    | +5°C to +40°C<br>(+41 to +104°F)<br>and 30% to 95%<br>rel. humidity  | +5°C to +40°C (+41<br>to +104°F) and<br>30% to 95% rel.<br>humidity  | +5°C to +40°C (+41<br>to +104°F) and<br>30% to 95% rel.<br>humidity  | +5°C to +35°C<br>(+41 to +95°F)<br>and 40% to<br>70% rel. humidity                  | +5°C to +35°C<br>(+41 to +95°F) and<br>40% to 70% rel.<br>humidity | +5°C to +40°C<br>(+41 to +104°F)<br>and 30% to 95%<br>rel. humidity  |
| Skin-over time (minutes):*3  | 25   | 10   | 25   | 25   | 10                                 | 10   | 10   | 10   | 45  | 3  | 10   |
| Cure speed:*3  | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   |                                    | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours   | 2-3 mm in the first 24 hours  | 2-3 mm in the first 24 hours                                       | 2-3 mm in the first 24 hours   |
| Volume change (DIN EN ISO 10563) %:*3                                | -1   | -2   | -1   | -1   | -3                                 | -  | -1   | -3   | -6  | Increase   | -2   |
| Gap filling up to max. mm:   | 5  | 10   | 5  | 5  | 5                                  | 5  | 5  | 5  | 5   | 10   | 10   |
| Gap width up to max. mm:   | 25   | 30   | 25   | 25   | 25                                 | 40   | 5  | 25   | 25  | -  | 30   |
| Shelf life in months: (at constant room temperature)                 | 12   | 12   | 12   | 12   |                                    | 12   | 12   | 12   | 12  | 12   | 18   |
| WEICON Adhesives and Sealants in cured condition                     |  |  |  |  |                                    |  |  |  |   |  |  |
| Shore-A-Hardness (DIN ISO 7619):                                     | 42   | 50   | 42   | 42   | 40                                 | 32   | 58   | 40   | 45  | -  | 56 ±3  |
| Elongation at break (DIN EN ISO 527 / 5A) %:                         | 650  | 600  | 650  | 650  | 300                                | 500  | 230  | 300  | 450   | -  | 121  |
| Tensile strength of the pure adhesive/sealant (DIN EN ISO 527 / 5A): | 3.3 N/mm <sup>2</sup><br>(480 psi)   | 1.9 N/mm <sup>2</sup><br>(280 psi)   | 3.3 N/mm <sup>2</sup><br>(480 psi)   | 3.3 N/mm <sup>2</sup><br>(480 psi)   | 3.0 N/mm <sup>2</sup><br>(435 psi) | 1.3 N/mm <sup>2</sup><br>(189 psi)   | 2.2 N/mm <sup>2</sup><br>(320 psi)   | 3.0 N/mm <sup>2</sup><br>(435 psi)   | 2.0 N/mm <sup>2</sup><br>(290 psi)  | 10 N/mm <sup>2</sup><br>(1,450 psi)                                | 1.6 N/mm <sup>2</sup><br>(232 psi)   |
| Average tensile shear strength (DIN EN 1465):*4                      | 2.1 N/mm <sup>2</sup><br>(300 psi)   | 1.5 N/mm <sup>2</sup><br>(250 psi)   | 2.1 N/mm <sup>2</sup><br>(300 psi)   | 2.1 N/mm <sup>2</sup><br>(300 psi)   | 2.0 N/mm <sup>2</sup><br>(290 psi) | 1.4 N/mm <sup>2</sup><br>(203 psi)   | 1.3 N/mm <sup>2</sup><br>(189 psi)   | 2.0 N/mm <sup>2</sup><br>(290 psi)   | 1.6 N/mm <sup>2</sup><br>(232 psi)  | 11 N/mm <sup>2</sup><br>(1,595 psi)                                | 1.5 N/mm <sup>2</sup><br>(250 psi)   |
| Tear strength (DIN ISO 34):  | 20 kN/m<br>(114 lb/in)   | 13 kN/m<br>(74 lb/in)  | 20 kN/m<br>(114 lb/in)   | 20 kN/m<br>(114 lb/in)   | 19 kN/m<br>(108 lb/in)             | -  | 10 kN/m<br>(57 lb/in)  | 19 kN/m<br>(108 lb/in)   | 9 kN/m<br>(51 lb/in)  | -  | 13 kN/m<br>(74 lb/in)  |
| Movement capacity max. %:  | 15   | 20   | 15   | 15   | 20                                 | 20   | 15   | 20   | 10  | -  | 20   |
| Temperature resistance:  | -40°C to +90°C<br>(-40 to +194°F)<br>briefly (approx.<br>2 h) to +130°C<br>(+266°F)  | -40°C to +90°C<br>(-40 to +194°F)  | -40°C to +90°C<br>(-40 to +194°F)<br>briefly (approx.<br>2 h) to +130°C<br>(+266°F)  | -40°C to +90°C<br>(-40 to +194°F)<br>briefly (approx.<br>2 h) to +130°C<br>(+266°F)  | -40°C to +90°C<br>(-40 to +194°F)  | -40°C to +90°C<br>(-40 to +194°F)  | -40°C to +80°C<br>(-40 to +176°F)<br>briefly (approx.<br>2 h) to +120°C<br>(+248°F)  | -40°C to +90°C<br>(-40 to +194°F)<br>briefly (approx.<br>2 h) to +120°C<br>(+248°F)  | -40°C to +90°C<br>(-40 to +194°F)<br>briefly (approx.<br>2 h) to +120°C<br>(+248°F) | -30°C to +100°C<br>(-22 to +212°F)                                 | -40°C to +90°C,<br>briefly (approx.<br>30 min.) to<br>+180°C   |
| Specific forward resistance  | -  | -  | 1.0 x 10 <sup>13</sup> Ω·cm  | -  | -                                  | -  | 1.4 x 10 <sup>13</sup> Ω·cm  | 0.9 x 10 <sup>12</sup> Ω·cm  | -   | -  | -  |
| Paintable:*5   | only "wet-on-wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints) |                                    | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) | after complete curing   | after complete curing  | only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints) |
| Building material category (DIN 4102):                               | B 2  | B 2  | B 2  | B 2  |                                    | E (EN 13501-1)   | B 2  | B 2  | B 2   | B 2  | B 2  |
| Possible primers:  | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127   |                                    | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127   | see primer selection table on page 127  | -  | see primer selection table on page 127   |



## Technical Data

| WEICON Adhesives and Sealants in non-cured condition  |  |  |  |  |   |   |
|---|--|--|--|--|---|---|
|   | Silicone A   | Silicone LP*   | Silicone N   | Silicone F   | HT 300  | Black-Seal  |
|   |  | ✓  |  |  |   |   |
| Base:   | 1-C Polysiloxane (acetate)                                 | 1-C Polysiloxane (acetate)                                 | 1-C Polysiloxane (pentanonoxime)                           | 1-C Polysiloxane (pentanonoxime)                           | 1-C Polysiloxane (acetate)  | 1-C Polysiloxane (acetate)  |
| Density (g/cm <sup>3</sup> ):   | 1.03   | 1.00   | 1.17   | 1.00   | 1.18  | 1.04  |
| Viscosity:  | pasty  | pasty  | pasty  | 30.000 mPa s   | pasty   | pasty   |
| Stability/Run-off (ASTM D 2202) mm:   | 1  | 1  | 1  | liquid   | 1   | >1  |
| Processing temperature:   | +5°C to +35°C* <sup>2</sup> (+41 to +95°F)                 | +5°C to +35°C* <sup>2</sup> (+41 to +95°F)                 | +5°C to +35°C* <sup>2</sup> (+41 to +95°F)                 | +5°C to +35°C* <sup>2</sup> (+41 to +95°F)                 | +5°C to +35°C* <sup>2</sup> (+41 to +95°F)                            | +5°C to +35°C* <sup>2</sup> (+41 to +95°F)                            |
| Cure type:  | by humidity  | by humidity  | by humidity  | by humidity  | by humidity   | by humidity   |
| Curing condition:   | +5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity | +5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity | +5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity | +5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity | +5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity            | +5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity            |
| Skin-over time (minutes):* <sup>3</sup>   | 15   | 10   | 7  | 15   | 8   | 7   |
| Cure speed:* <sup>3</sup>   | 2-3 mm in the first 24 hours                               | 2-3 mm in the first 24 hours                               | 2-3 mm in the first 24 hours                               | 2-3 mm in the first 24 hours                               | 2-3 mm in the first 24 hours  | 2-3 mm in the first 24 hours  |
| Volume change (DIN 52451) %:* <sup>3</sup>  | < -6 %   | < -6 %   | < -6 %   | -9 %   | < -6 %  | < -6 %  |
| Gap filling up to max. mm:  | 5  | 5  | 5  | 2  | 5   | 5   |
| Gap width up to max. mm:  | 25   | 25   | 25   | ---  | 25  | 25  |
| Shelf life in months: (at constant room temperature)  | 15   | 12   | 12   | 12   | 12  | 12  |
| WEICON Adhesives and Sealants in cured condition  |  |  |  |  |   |   |
| Shore-A-Hardness (DIN 53505 / ASTM D 2240):   | 20   | 25   | 20   | 10   | 30  | 37  |
| Elongation at break ISO 37, S3A [%]   | 700  | 80   | 550  | 600  | 300   | 470   |
| Tensile strength ISO 37, S3A [N/mm <sup>2</sup> ]   | 1.4 N/mm <sup>2</sup> (200 psi)                            | 2,9 N/mm <sup>2</sup> (420 psi)                            | 1.5 N/mm <sup>2</sup> (220 psi)                            | 1.8 N/mm <sup>2</sup> (260 psi)                            | 2.5 N/mm <sup>2</sup> (360 psi)                                       | 2.2 N/mm <sup>2</sup> (320 psi)                                       |
| Tension strength value at 100 % nach ISO 37, S3A  | 0.3 N/mm <sup>2</sup> (40 psi)                             | 0,6 N/mm <sup>2</sup> (90 psi)                             | 0.4 N/mm <sup>2</sup> (60 psi)                             | 0.2 N/mm <sup>2</sup> (30 psi)                             | 0.9 N/mm <sup>2</sup> (130 psi)                                       | 0.7 N/mm <sup>2</sup> (100 psi)                                       |
| Movement capacity max. %:   | 25   | 25   | 25   | /  | 15  | 15  |
| Fungicide:  | yes  | no   | yes  | no   | no  | no  |
| Temperature resistance:   | -40°C to +180°C (-40 to +356°F)                            | -40°C to +180°C (-40 to +356°F)                            | -40°C to +180°C (-40 to +356°F)                            | -50°C to +180°C (-58 to +356°F)                            | -40°C to +280°C (-40 to +536°F) briefly (approx. 2 h) +300°C (+572°F) | -40°C to +280°C (-40 to +536°F) briefly (approx. 2 h) +300°C (+572°F) |
| Paintable:  | cannot be painted  | cannot be painted  | cannot be painted  | cannot be painted  | cannot be painted   | cannot be painted   |
| Building material category (DIN 4102):  | B 2  | B 2  | B 2  | B 2  | B 2   | B 2   |

\*<sup>2</sup> For easier processing, the cartridges should be heated to room temperature (+20°/+68°F) before use at low temperatures.

\*<sup>3</sup> Normal climate +23°C (+73°F) and 50% relative humidity in accordance with DIN 50014.





# Elastic Adhesives and Sealants

## Information on surface preparation/pre-treatment

| Material                         |                          | Basis MS-Polymers (POP)                 | Basis Polyurethanes (PUR)                   | Basis Silicones                         |
|----------------------------------|--------------------------|---|---|---|
| ABS                              |                          | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + K 200                 |
| Aluminium                        | Bare                     | Surface Cleaner + M 100                 | Surface Cleaner + roughening up + M 100     | Surface Cleaner + roughening up + E 500 |
|                                  | Chromated                | Surface Cleaner+ M 100                  | Surface Cleaner+ M 100                      | Surface Cleaner+ M 100                  |
|                                  | Anodised                 | Surface Cleaner + M 100                 | Surface Cleaner + M 100                     | Surface Cleaner + E 500                 |
|                                  | Powder-coated            | Surface Cleaner + K 200*                | Surface Cleaner + K 200*                    | Surface Cleaner + K 200*                |
|                                  | Primed                   | Surface Cleaner + K 200*                | Surface Cleaner + K 200*                    | Surface Cleaner + K 200*                |
|                                  | Painted                  | Surface Cleaner + K 200*                | Surface Cleaner + K 200*                    | Surface Cleaner + K 200*                |
| Enamel                           |                          | Surface Cleaner + M 100                 | Surface Cleaner + M 100                     | Surface Cleaner + E 500                 |
| EPDM                             |                          | Surface Cleaner + P 400*                | Surface Cleaner + P 400*                    | Surface Cleaner + P 400*                |
| GFRP (polyester, epoxy)          | Smooth/rough side        | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
|                                  | Web goods                | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
|                                  | Hand laminate            | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
| Glass                            | Untreated, clear         | Surface Cleaner                         | Surface Cleaner + M 100**                   | Surface Cleaner + E 500                 |
|                                  | Ceramic-coated           | Surface Cleaner + M 100                 | Surface Cleaner + M 100                     | Surface Cleaner + E 500                 |
| Wood                             | Phenol-coated            | no adhesion                             | Surface Cleaner + roughening up + M 100     | Surface Cleaner + roughening up + E 500 |
|                                  | Melamine-coated          | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
|                                  | Untreated                | Clean with humid cloth + Primer S 300   | Blow off with compressed air + Primer S 300 | Clean with humid cloth + Primer S 300   |
| Ceramic                          |                          | Surface Cleaner + M 100                 | Surface Cleaner + M 100                     | Surface Cleaner + E 500                 |
| Copper                           |                          | Surface Cleaner + roughening up + M 100 | Surface Cleaner + roughening up + M 100     | Surface Cleaner + roughening up + E 500 |
| Brass                            |                          | Surface Cleaner + roughening up + M 100 | Surface Cleaner + roughening up + M 100     | Surface Cleaner + roughening up + E 500 |
| PA (polyamide)                   |                          | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
| PC *2                            |                          | Surface Cleaner + K 200*                | Surface Cleaner + K 200*                    | Surface Cleaner + K 200*                |
| PIR hard foam (polyisocyanurate) |                          | Surface Cleaner                         | Surface Cleaner                             | Surface Cleaner                         |
| PMMA (acrylic glass)             |                          | Surface Cleaner + K 200*                | Surface Cleaner + K 200*                    | Surface Cleaner + K 200*                |
| Polywood                         |                          | Surface Cleaner + roughening up + P 400 | Surface Cleaner + roughening up + P 400     | Surface Cleaner + roughening up + P 400 |
| PP/PE                            |                          | Surface Cleaner + P 400*                | Surface Cleaner + P 400                     | Surface Cleaner + P 400*                |
| PS                               | Hard foam                | Surface Cleaner + P 400*                | Surface Cleaner + P 400*                    | Surface Cleaner + P 400*                |
|                                  | Panels, impact-resistant | Surface Cleaner                         | Surface Cleaner                             | Surface Cleaner                         |
| PUR hard foam (polyurethane)     |                          | Surface Cleaner                         | Surface Cleaner                             | Surface Cleaner                         |
| PUR elastomer                    |                          | Surface Cleaner                         | Surface Cleaner                             | Surface Cleaner                         |
| PVC                              | Panels                   | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
|                                  | Hard foam                | Surface Cleaner                         | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
| Steel                            | Bare                     | Surface Cleaner                         | Surface Cleaner                             | Surface Cleaner                         |
|                                  | Chromated                | Surface Cleaner+ M 100                  | Surface Cleaner+ M 100                      | Surface Cleaner+ M 100                  |
|                                  | Primed                   | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
|                                  | Painted                  | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
|                                  | Powder-coated            | Surface Cleaner + K 200                 | Surface Cleaner + K 200                     | Surface Cleaner + E 500                 |
|                                  | VA (stainless steel)     | Surface Cleaner + roughening up + M 100 | Surface Cleaner + roughening up + M 100     | Surface Cleaner + roughening up + E 500 |
|                                  | Galvanised               | Surface Cleaner + roughening up + M 100 | Surface Cleaner + roughening up + M 100     | Surface Cleaner + roughening up + E 500 |

\* Preliminary tests are required

\*\* Protect against UV back radiation

\*2 Protect from UV radiation

Primer M 100: For pretreating non-absorbent surfaces, e.g. metals, plastics, painted surfaces, enamels, ceramic and coated glass.

Primer K 200: For pretreating non-absorbent and painted plastic surfaces and elastomers, e.g. EPDM.

Primer S 300: For pretreating porous and absorbent surfaces.

Primer P 400: For pretreating polyolefins, e.g. PE, PP and difficult-to-bond elastomers.

Primer E 500: For pre-treating silicones.



## Chemical resistance of WEICON Adhesives and Sealants after curing

|                                    | Flex 310 M® Classic | Flex 310 M® Crystal | Flex 310 M® HT 200 | Flex 310 M® HT 220+ | Flex 310 M® Super-Tack | Flex 310 M® Stainless-steel | Flex 310 M® 2 K | Flex 310 M® Liquid black | Flex 310 M® Hybrid | Windscreen Adhesive | Flex+bond® | Speed-Flex® | Speed-Flex® Crystal | Flex 310 M® ProSeal | Flex 310 M® FireSeal | Aqua-Flex | Solar-Flex® | Flex 310 PU | Fast-Bond | Silicone A | Silicone LP | Silicone N | Silicone F | HT 300 | Black-Seal | Flex 310 M® FTX |   |   |
|------------------------------------|---------------------|---------------------|--------------------|---------------------|------------------------|-----------------------------|-----------------|--------------------------|--------------------|---------------------|------------|-------------|---------------------|---------------------|----------------------|-----------|-------------|-------------|-----------|------------|-------------|------------|------------|--------|------------|-----------------|---|---|
| Acetone                            | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | +          | +           | o          | o          | +      | +          | -               |   |   |
| Alcohol                            | o                   | o                   | o                  | o                   | o                      | o                           | o               | o                        | o                  | o                   | o          | o           | o                   | o                   | o                    | o         | o           | o           | o         | o          | +           | +          | +          | +      | +          | o               |   |   |
| Concentrated formic acid           | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | o           | o          | o          | o      | +          | +               | - |   |
| Ammonia 10 %                       | +                   | o                   | +                  | +                   | +                      | +                           | +               | +                        | +                  | +                   | o          | +           | o                   | +                   | +                    | +         | +           | +           | +         | o          | +           | +          | +          | +      | +          | +               | + |   |
| Petrol (92 to 100 octane)          | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | + |   |
| Diesel/heating oil                 | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | o           | o          | -          | -      | +          | +               | - |   |
| Glycol ether                       | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | +          | +      | +          | +               | - |   |
| Ethanol                            | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | +          | +      | +          | +               | - |   |
| Freon                              | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | o           | o          | -          | -      | +          | +               | - |   |
| Antifreeze                         | +                   | +                   | +                  | +                   | +                      | +                           | +               | +                        | +                  | +                   | +          | +           | +                   | +                   | +                    | +         | +           | +           | +         | +          | +           | +          | +          | +      | +          | +               | + |   |
| Gear oil                           | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | o           | o          | -          | -      | +          | +               | - |   |
| Glycerine (glycol)                 | +                   | o                   | +                  | +                   | +                      | +                           | +               | +                        | +                  | +                   | +          | +           | o                   | +                   | +                    | +         | +           | +           | +         | +          | +           | +          | +          | +      | +          | +               | + |   |
| Hexane                             | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | +          | o      | +          | +               | - |   |
| Hydraulic oil                      | o                   | -                   | o                  | o                   | o                      | o                           | o               | o                        | o                  | o                   | o          | o           | -                   | o                   | o                    | o         | o           | o           | o         | o          | +           | +          | o          | o      | +          | +               | o |   |
| Caustic potash solution 20%        | o                   | o                   | o                  | o                   | o                      | o                           | o               | o                        | o                  | o                   | o          | o           | o                   | o                   | o                    | o         | o           | o           | +         | +          | -           | -          | -          | -      | -          | -               | o |   |
| Cooling lubricant, water-dilutable | +                   | o                   | +                  | +                   | +                      | +                           | +               | +                        | +                  | +                   | +          | +           | o                   | +                   | +                    | +         | +           | +           | +         | +          | +           | +          | +          | +      | +          | +               | + |   |
| Lyes, diluted                      | +                   | +                   | +                  | +                   | +                      | +                           | +               | +                        | +                  | +                   | +          | +           | +                   | +                   | +                    | +         | +           | +           | +         | +          | +           | +          | +          | +      | +          | +               | + |   |
| Methanol                           | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Methyl ethyl ketone                | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Motor oil, mineral and synthetic   | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Sodium hydroxide solution 20%      | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | o         | o          | +           | +          | o          | o      | +          | +               | - |   |
| Phosphoric acid 5%                 | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| 2-propanol                         | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | o          | o           | +          | +          | o      | o          | +               | + | - |
| Nitric acid 5%                     | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Hydrochloric acid 5%               | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Salt water/seawater                | +                   | -                   | +                  | +                   | +                      | +                           | +               | +                        | +                  | +                   | +          | +           | +                   | +                   | +                    | +         | +           | +           | +         | +          | +           | +          | +          | +      | +          | +               | + |   |
| Sulphuric acid 5%                  | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Edible oil/vegetable oil           | o                   | o                   | o                  | o                   | o                      | o                           | o               | o                        | o                  | o                   | o          | o           | o                   | o                   | o                    | o         | o           | o           | o         | o          | +           | +          | +          | +      | +          | +               | o |   |
| Toluene                            | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Benzine                            | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Water                              | +                   | +                   | +                  | +                   | +                      | +                           | +               | +                        | +                  | +                   | +          | +           | +                   | +                   | +                    | +         | +           | +           | +         | +          | +           | +          | +          | +      | +          | +               | + |   |
| Water, +90°C (+194°F)              | +                   | -                   | +                  | +                   | +                      | -                           | +               | +                        | +                  | +                   | +          | +           | -                   | +                   | +                    | +         | +           | +           | -         | -          | +           | +          | +          | +      | +          | +               | + |   |
| Hydrogen peroxide 3%               | +                   | -                   | +                  | +                   | +                      | +                           | +               | +                        | +                  | +                   | +          | +           | -                   | +                   | +                    | +         | +           | +           | -         | -          | +           | +          | +          | +      | +          | +               | + |   |
| Paraffin oil                       | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | +          | +      | +          | +               | - |   |
| Xylene                             | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | o          | o      | +          | +               | - |   |
| Citric acid 10%                    | -                   | -                   | -                  | -                   | -                      | -                           | -               | -                        | -                  | -                   | -          | -           | -                   | -                   | -                    | -         | -           | -           | -         | -          | +           | +          | +          | +      | +          | +               | - |   |

+ = resistant    o = limited resistance    - = not resistant



### Conversions

(°C x 1.8) + 32 = °F  
 kV/mm x 25.4 = V/mil  
 mm / 25.4 = inches  
 µm / 25.4 = mil  
 N x 0.225 = lb  
 N/mm x 5.71 = lb/in  
 N/mm x 5.71 = pli  
 N/mm² x 145 = psi

MPa x 145 = psi  
 MPa x 0.145 = KSI  
 mPa·s = cP  
 N·m x 8.851 = lb·in  
 N·m x 0.738 = lb·ft  
 N·mm x 0.142 = oz·in  
 kg x 2.2046 = lb

### Formula for calculating the consumption quantity

| Joint depth \ Joint width | 5 mm |         | 6 mm |         | 8 mm |         | 10 mm |         | 12 mm |         |
|---------------------------|------|---------|------|---------|------|---------|-------|---------|-------|---------|
|                           | ml/m | m/Kart. | ml/m | m/Kart. | ml/m | m/Kart. | ml/m  | m/Kart. | ml/m  | m/Kart. |
| 5 mm                      | 25   | 12.4    | 30   | 10.3    |      |         |       |         |       |         |
| 6 mm                      | 30   | 10.3    | 36   | 8.6     |      |         |       |         |       |         |
| 8 mm                      | 40   | 7.75    | 48   | 6.5     | 64   | 4.8     |       |         |       |         |
| 10 mm                     | 50   | 6.2     | 60   | 5.2     | 80   | 3.9     | 100   | 3.1     |       |         |
| 12 mm                     | 60   | 5.2     | 72   | 4.3     | 96   | 3.2     | 119   | 2.6     |       |         |
| 15 mm                     | 75   | 4.1     | 90   | 3.4     | 120  | 2.6     | 148   | 2.1     | 182   | 1.7     |
| 18 mm                     |      |         | 108  | 2.9     | 144  | 2.2     | 182   | 1.7     | 221   | 1.4     |
| 20 mm                     |      |         |      |         | 160  | 1.9     | 194   | 1.6     | 240   | 1.3     |
| 25 mm                     |      |         |      |         |      |         | 258   | 1.2     | 300   | 1.0     |



# Elastic Adhesives and Sealants

## WEICON Primer M 100

▶ 250 ml 10023566 ▶ 25 ml 10060606

For pre-treating non-absorbent metal surfaces (aluminium, steel, stainless steel, brass, copper, zinc, tinplate), plastics (ABS, rigid PVC, PA 6.6, FRP, SMC, PUR), lacquered surfaces, enamel, ceramic, and glass.



## Primer

### Bonding agent

Even without the use of a primer, WEICON Elastic Adhesives and Sealants (on the basis of MS and hybrid polymers) achieve good bonding results on most material surfaces.

## WEICON Primer K 200

▶ 250 ml 10023567 ▶ 25 ml 10060609

For pre-treating non-absorbent and lacquered surfaces, plastic materials (ABS, rigid PVC, PA 6.6, FRP, SMC, PUR), metals (aluminium, steel, stainless steel, brass, zinc, tinplate) and elastomers (EPDM).



## Smoothing Agent

### Simple smoothing of many sealants

The Smoothing Agent is a transparent mixture of non-ionic surface activators. Applying it makes it possible to easily and cleanly smooth off all WEICON Elastic Adhesives and Sealants such as silicone, MS polymers, polyurethane, etc. prior to skin formation.

▶ 500 ml 10038838 Spray bottle

▶ 5 L 10039360



## WEICON Primer S 300

▶ 250 ml 10023568 ▶ 25 ml 10060610

For pre-treating absorbent and/or porous surfaces, like e.g. uncoated hardboards and plasterboards.



## WEICON Primer P 400

▶ 250 ml 10023569 ▶ 25 ml 10060612

For pre-treating non-absorbent low-energy surfaces, like e. g. plastics (PE, PP, TPE) and elastomers (EPDM).



## WEICON Primer E 500

▶ 250 ml 10035220 ▶ 25 ml 10060616

Especially for silicone - for pre-treating non-absorbent surfaces such as aluminium, VA steel, brass, copper, zinc, tinplate and enamel, ceramic and glass as well as plastics such as ABS, PVC hard, PA6.6, GFC etc.



## Primer Applicator

10032350



For application of WEICON Primer.

## Activating Cleaner

### Cleaner and primer in one product

Universal cleaning and bonding agent rolled into one product. Especially for the pre-treatment of smooth surfaces, e.g. stainless steel, glass and plastics.

▶ 400 ml 10062859



## Technical Data

|                                      | M 100   | K 200   | S 300   | P 400   | E 500  | Activating Cleaner   |
|--------------------------------------|---|---|---|---|--|--|
| Base:                                | Synthetic resin, with solvents                                      | Synthetic resin, with solvents                                      | Polyurethane, with solvents   | Rubber, with solvents and chloric                                   | Silicone resin, contains solvent                                 | Solvent mixture with additives                                 |
| Colour                               | colourless, transparent   | colourless  | yellowish, transparent  | amber, transparent  | slightly yellowish, transparent                                  | transparent, clear fluid                                       |
| Content                              | 250 ml, 25 ml   | 250 ml, 25 ml   | 250 ml, 25 ml   | 250 ml, 25 ml   | 250 ml, 25 ml  | 400 ml   |
| Density (g/cm <sup>3</sup> ):        | 0.79  | 0.77  | 1.03  | 0.80  | 0.78   | 0.71   |
| Consumption per m <sup>2</sup> (ml): | 20 - 40   | 20 - 40   | 80 - 200  | 20 - 60   | 100  | -  |
| Processing temperature:              | +10°C to +25°C (+50°F to +77°F)                                     | +10°C to +35°C (+50°F to +95°F)                                     | +5°C to +25°C (+41°F to +77°F)                                      | -15°C to +35°C (+5°F to +95°F)                                      | +10°C to +25°C (+50°F to +77°F)                                  | +5 °C to +25 °C (+41 °F to +77 °F)                             |
| Evaporation time (min):              | approx. 10  | approx. 10  | approx. 60  | approx. 10 - 60   | approx. 60   | 10   |
| Period of use (hrs.):                | 24  | 24  | 4   | 1   | 8  | -  |
| Suited for                           | WEICON Adhesives and Sealants (except silicones)<br>WEICON Urethane | WEICON Adhesives and Sealants (except silicones)<br>WEICON Urethane | WEICON Adhesives and Sealants (except silicones)<br>WEICON Urethane | WEICON Adhesives and Sealants (except silicones)<br>WEICON Urethane | WEICON Silicone A, F and N<br>WEICON HT-300<br>WEICON Black-Seal | WEICON Elastic Adhesives and Sealants (allround-bonding agent) |

# Mounting Tape



## Transparent

Moisture-resistant | UV-resistant | strong

- ▶ load bearing capacity 80 kg/m
- ▶ 19 mm x 3 m (length x width)
- ▶ core size 40 mm



WEICON Mounting Tape Transparent is a double-sided, highly transparent adhesive tape made of pure acrylate adhesive. The tape is particularly suitable for visually demanding structural joints where transparent components need to be bonded permanently both for indoor and outdoor use.

The transparent adhesive tape adheres firmly and securely to almost all smooth surfaces, such as glass, plastics, steel, aluminum, or tiles. The tape works in a temperature range of -40°C to +160°C (-40°F to +320°F) and is UV- and moisture-resistant. In combination with WEICON Adhesives and Sealants, it can be used as a fixing aid for hybrid bonding and ensures the secure positioning of the parts to be bonded.

Mounting Tape Transparent can be used in many different sectors, such as the advertising technology, fair and exhibition construction, kitchen and furniture construction, the caravanning sector, car body and vehicle construction, metal construction and in the electronics industry.

10050553  
Length 3 m

## Grey

Extremely strong adhesion | for smooth surfaces | high flexibility

- ▶ load bearing capacity 85 kg/m
- ▶ 19 mm x 3 m (length x width)
- ▶ core size 40 mm



Mounting Tape Grey is a strong, double-sided adhesive tape made of modified acrylic foam. The tape is particularly suitable for the bonding of low-energy plastics, such as PE and PP, as well as for powder-coated surfaces. In combination with WEICON adhesives and sealants, it can be used as a fixing aid for hybrid bonding.

The high flexibility of the tape perfectly compensates tensions when bonding around corners. Mounting Tape Grey has a temperature resistance of -40°C to +120°C (-40°F to +248°F), is UV- and moisture-resistant and suitable for permanent joints both indoors and outdoors.

Mounting Tape Grey can be used in a variety of applications in many sectors, such as car body and vehicle technology, caravanning, metal and apparatus engineering, electronics, mechanical engineering, advertising, shipbuilding and marine technology.

10050551  
Length 3 m



VIDEO

## Technical Data

|   | Transparent                       | Grey                              |
|---|-----------------------------------|-----------------------------------|
| <b>Thickness</b>                              | 0,5 mm                            | 0,9 mm                            |
| <b>Elongation at break</b>                    | 750%                              | 750%                              |
| <b>Tensile strength</b>                       | 9 N/cm                            | 10 N/cm                           |
| <b>Adhesion to steel*</b>                     | 20 N/cm                           | 20 N/cm                           |
| <b>T-Block tensile strength to aluminium*</b> | 80 N/cm <sup>2</sup>              | 50 N/cm <sup>2</sup>              |
| <b>Dynamic shear strength**</b>               | 40 N/cm <sup>2</sup>              | 45 N/cm <sup>2</sup>              |
| <b>Static shear strength**</b>                | > 10,000 min                      | > 10,000 min                      |
| <b>Temperature range</b>                      | -40°C to +160°C (-40°F to +320°F) | -40°C to +120°C (-40°F to +248°F) |

\*72 h \*\*+23°C and +70°C, 1000 g, 625 mm<sup>2</sup>

## Instructions

For an optimum result, the surfaces to be bonded must be clean (Surface Cleaner), dry and as smooth as possible. The processing temperature should be above +10°C (+50°F).

Mounting Tape is not suitable for wallpapers or other sensitive surfaces. A removal of the tape may cause damage to the substrate.



Fixing aid in combination with WEICON Adhesives and Sealants.





# Assembly Adhesive

Green Tube Assembly Adhesive **NEW**



**strong adhesion | universally applicable | for indoor & outdoor use**

WEICON Assembly Adhesive is a strong dispersion acrylic adhesive for assembly, repair and touch-up work.

The adhesive has a high initial adhesion and final strength and cures rapidly. After drying, the Assembly Adhesive can be sanded and plastered over and can be painted over with commercially available paints and varnishes. The adhesive is temperature-resistant in a range from -20°C to +80°C and is suitable for both indoor and outdoor applications. The white flexible adhesive is low-emission and free from solvents.

The Assembly Adhesive is universally applicable and can be used for a wide variety of applications. It is ideal, for example, for surface bonding of wood-based materials (such as skirting boards, decorative mouldings, panels or chipboard), PVC, polystyrene, polystyrene foam boards, PU rigid foam (e.g. insulation boards and cable ducts), mineral materials (e.g. tiles) and metals on absorbent substrates such as plaster, concrete, fibre cement, plasterboard and untreated wood.

► 280 ml

10101911

## Green Tube®

Erhöhte Lagerstabilität  
**+24** Monate  
months  
Longer shelf life

### Technical Data

|                        |                          |
|------------------------|--------------------------|
| Base                   | Acrylic dispersion       |
| Colour                 | white                    |
| Texture                | pasty                    |
| Density                | 1.4 g/cm <sup>3</sup>    |
| Processing temperature | +5 °C to +40 °C          |
| Curing speed           | 2-3 mm in the first 24 h |
| Skin-over time         | 10-15 min.               |
| Hardness (Shore A)     | 65 ± 3                   |
| Temperature resistance | -20 °C to +80 °C         |

**80%**

LESS  
PLASTIC





## Contact adhesives for bonding rubber and metal

### WEICON CONTACT ADHESIVES

#### What are contact adhesives?

Contact adhesives belong to the group of physically setting adhesives. These are adhesives that cure without a complex chemical reaction. The adhesive is activated and cures simply by the solvent flashing off. In contrast, with chemically setting adhesives, the adhesive is formed by the chemical reaction of polyaddition, polycondensation or polymerisation.

With the GMK (rubber-metal) adhesives, WEICON offers contact adhesives as 1-component (GMK 2410) and 2-component (GMK 2510) version.

#### What are contact adhesives used for?

Contact adhesives are needed wherever high initial strength is required and the bond should be permanently elastic and moisture-resistant.

WEICON GMK Adhesives are preferably used for the bonding of rubber materials to each other and to metal surfaces.



### GMK 2510

#### Strong | permanently elastic | temperature-resistant

GMK 2510 is a 2-component adhesive based on polychloroprene for full-surface and permanently elastic bonding of parts which are continuously exposed to dynamic loads. The advantage compared to 1-component contact adhesives is the considerably better adhesion and the improved temperature resistance.

GMK 2510 bonds rubber, metal, textiles, leather, sponge rubber (neoprene), CSM (Hypalon), insulating materials, PU materials with an adhesive coating, wood and many plastics. After curing the bonding is moisture-proof. WEICON GMK 2510 is not suitable for materials such as polystyrene foam, polyethylene, polypropylene parts, PVC soft foam and PVC imitation leather.

▶ 324 g  
10039649

Working package  
(consisting of 300 g adhesive and  
24 g activator)

▶ 690 g  
10034480

Working package  
(consisting of 650 g adhesive  
and 40 g activator)



# Rubber Metal Adhesive

## GMK 2410

## GMK 2510

### GMK 2410

**Permanently elastic | resistant to humidity**

GMK 2410 is an adhesive based on polychloroprene (CR) for the high-strength, full-surface and flexible bonding of

- ▶ rubber to rubber
- ▶ rubber to metal

WEICON GMK 2410 also bonds cellular rubber (e. g. neoprene), leather, felt, insulating material, textiles, wood, and many plastics.

GMK 2410 is not suitable for materials such as expanded polystyrene, polyethylene, polypropylene, flexible PVC foam, and artificial PVC leather. The product can be used for many industrial applications.

- |          |          |              |
|----------|----------|--------------|
| ▶ 185 g  | ▶ 300 g  | ▶ 350 g      |
| 10029662 | 10028908 | 10030358     |
| Tube     | Can      | Brushtop can |
| ▶ 700 g  | ▶ 5 kg   | ▶ 25 kg      |
| 10028906 | 10029718 | 10029720     |
| Can      | Bucket   | Bucket       |



VIDEO



Adhesives / Sealants

### Technical Data

|                         | GMK 2410  | GMK 2510  |
|-------------------------|---|---|
| Base:                   | Polychloroprene (CR)  | Polychloroprene (CR)  |
| Density:                | 0.93 g/cm <sup>3</sup>  | 0.85 g/cm <sup>3</sup>  |
| Viscosity:              | approx. 2,400 mPa·s   | 1,500 mPa·s   |
| Mixing ratio:           | ---   | 100:7   |
| Colour:                 | yellowish-brown   | black   |
| Consumption:            | 250 - 350 g/m <sup>2</sup>  | 150 - 300 g/m <sup>2</sup>  |
| Evaporation time:       | 5 - 10 minutes  | 5 - 15 minutes  |
| Final strength:         | approx. 24 hours  | approx. 24 hours  |
| Temperature range:      | from -40°C to +80°C (-40°F to +176°F)   | from -40°C to +80°C (-40°F to +176°F), short-term (1 h) to +130°C (+266°F)  |
| Processing temperature: | +15°C to +35 °C (+59°F to 95°F)   | +15°C to +35°C (+59 to +95°F), the adhesive gels under +5°C (+41°F), however is ready to use again by carefully heating it to room temperature! |
| Shelf life:             | 12 months when unopened   | 12 months when unopened   |
| Storage:                | at room temperature (+15°C to +25°C/+59 to 77°F) dry, in tightly closed container | at room temperature (+15°C to +25°C/+59 to 77°F) dry, in tightly closed container   |

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

### Brush 35 long, Adhesive

**Natural bristles 46 mm, for viscous materials**

Especially suitable for applying liquid and flowable WEICON products. The material can be applied evenly and over a large area with a brush.



10065455

### Medium tensile shear strength

|                                      | GMK 2410  | GMK 2510  |
|--------------------------------------|---|---|
| Galvanised steel / EPDM:             | 0.16 N/mm <sup>2</sup> (16.0 N/cm <sup>2</sup> *)<br>23 psi   | 0.60 N/mm <sup>2</sup> (60.0 N/cm <sup>2</sup> *)<br>87 psi   |
| Galvanised steel / galvanised steel: | 1.60 N/mm <sup>2</sup> (160.0 N/cm <sup>2</sup> *)<br>232 psi | 3.00 N/mm <sup>2</sup> (300.0 N/cm <sup>2</sup> *)<br>435 psi |
| Galvanised steel / SBR:              | 0.54 N/mm <sup>2</sup> (54.0 N/cm <sup>2</sup> *)<br>78 psi   | 0.50 N/mm <sup>2</sup> (50.0 N/cm <sup>2</sup> *)<br>72 psi   |
| Galvanised steel / NBR:              | 0.57 N/mm <sup>2</sup> (57.0 N/cm <sup>2</sup> *)<br>83 psi   | 0.49 N/mm <sup>2</sup> (49.0 N/cm <sup>2</sup> *)<br>71 psi   |

\* Tensile shear test in accordance with DIN EN 1465

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### Adhesive Sprays

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# Technical Sprays



WEICON – Our name stands for high-quality products that have been used successfully in all areas of production, repair, maintenance, and servicing for many years. Products that will certainly solve a number of tasks and problems in your company as well.

Constant further development and adaptation to the latest requirements from practice and environmental concerns also guarantee a quality standard that remains consistently high.

- ▶ Surface and Anti-Corrosion Coatings
- ▶ Cleaners and Degreasers
- ▶ Protection and Care
- ▶ Solvents and Release Agents
- ▶ Lubricants

Find the right cleaner



VIDEO

Special Sprays

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Technical Sprays for Sensitive Areas

NSF-Sprays



166-167

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



**Zinc Spray**

Long-term cathodic corrosion protection | paintable | >1050 in the salt spray test according to DIN EN ISO 9227

WEICON Zinc Spray is approved by the German TÜV and provides a long-lasting cathodic corrosion protection to all metal surfaces. The spray forms a fast-drying, adherent protective layer of microfine zinc flakes.

Even after more than 1.050 hours in the salt spray test according to DIN 53167 and DIN 50021, metal parts coated with Zinc Spray did not show any corrosion. The zinc flakes form a resistant protective layer, even under extreme weather and environmental conditions.

Zinc Spray thus fulfils higher requirements than those defined by the DIN EN ISO 1461 standard. WEICON Zinc Spray can be used as a high-grade antirust primer, for the coating of welded joints and drilled holes, as a conductive intermediate layer for spot welding and wherever metal must be protected against corrosion.

▶ 400 ml  
10000016



**Zinc Spray bright grade**

Long-term cathodic corrosion protection | bright colour shade matching hot-dip galvanization

Zinc Spray "bright grade" is approved by the German TÜV and provides a long-lasting cathodic corrosion protection to all metal surfaces. It has a bright colour shade matching hot-dip galvanization.

The spray forms a fast-drying, adherent protective layer of microfine zinc flakes. The zinc flakes form a resistant protective layer, even under extreme weather and environmental conditions.

Zinc Spray "bright grade" can be used as a high-grade antirust primer, for the coating of welded joints and drilled holes, as a conductive intermediate layer for spot welding and everywhere where metal must be protected against corrosion.

▶ 400 ml  
10000047



**Zinc-Alu-Spray**

Anti-corrosion protection | colour shade matching hot-dip galvanization

Zinc-Alu Spray lastingly protects all metal surfaces against rust and corrosion. WEICON Zinc-Alu Spray forms a fast drying and adherent protective layer and is resistant to many chemicals.

Zinc-Alu Spray is dust-dry after approx. 15 minutes and can be smoothed and painted without pre-treatment after around 12 hours. WEICON Zinc-Alu Spray can be used to repair damaged hot-dip galvanized surfaces in a matching colour shade and for coating welded joints and drilled holes.

▶ 400 ml  
10000048





Technical Sprays

# Surface and Anti-Corrosion Coatings

## Galva Spray

Colour matching hot-dip galvanized surfaces | >450 h salt-spray-test  
DIN EN ISO 9227

WEICON Galva Spray provides a permanent protective layer for all metal surfaces. It protects metals against rust and corrosion and is fast-drying and firmly adhering.

The spray is resistant to salt water and fresh water and temperatures up to +300°C (+572°F). After more than 450 hours in the salt spray test according to DIN EN 9227, metal parts coated with WEICON Galva Spray did not show any corrosion.



The spray can be used for repairs of hot-dip galvanized parts in matching colour, as highly effective antirust primer, e.g. for painting car bodies, as coating on welded and drilled sections and as conductive intermediate layer in spot-welding.

- ▶ 400 ml
- 10040054





Before - after  
Stainless Steel Spray

### Rust Protection 2000 PLUS

#### Special corrosion- and weather-resistant surface coating

Rust Protection 2000 PLUS is a particularly corrosion- and weather-resistant surface coating on the basis of ferric oxide (hematite). The usage of highly-pure ferric oxide pigments in a flaky arrangement achieves permanent, weather-resistant and water-repellent surface protection.

Metal parts coated with Rust Protection 2000 PLUS did not show any corrosion after more than 2000\* hours in a salt spray test. It is used wherever metal structures or systems require prolonged protection against extreme environmental and weather conditions in a visually appealing manner.

WEICON Rust Protection 2000 PLUS can be used on halls and steel structures, iron railing, lattice towers, fences, handrails, balcony grates, rolling gates, outdoor lights, and on points particularly susceptible to corrosion.

- ▶ 400 ml      ▶ 400 ml
- 10021354    10021353
- silver-grey   charcoal-grey



### Aluminium-Spray A-100

#### Excellent corrosion protection | abrasion-resistant

WEICON Aluminium-Spray A-100 is abrasion-proof, resistant to many diluted acids and lyes, as well as to atmospheric influences. It contains aluminium pigments with a purity grade of approx. 99.5%.

WEICON Aluminium Spray A-100 offers high-grade corrosion protection for all metal surfaces.

WEICON Aluminium Spray A-100 can be used in cooling and ventilation technology, combustion systems, pipelines and machine housings, fibre glass car body components, in model building, arts and crafts, toy manufacturing and in many additional applications.

- ▶ 400 ml
- 10000050



### Aluminium-Spray A-400

#### Highest brilliancy

Aluminium-Spray A-400 has the highest brilliancy and is resistant to many diluted acids and lyes, as well as to wheater effects. It contains aluminium pigments with a purity grade of approx. 99,5%. WEICON Aluminium Spray A-400 offers high-grade corrosion protection for all metal surfaces. Aluminium Spray A-400 can be used in cooling and ventilation technology, combustion systems, pipelines and machine housings, fibre glass car body components, in model building, arts and crafts, toy manufacturing and in many additional applications.

- ▶ 400 ml
- 10000051





# Surface and Anti-Corrosion Coatings



## Stainless Steel Spray

### Corrosion-resistant and effective surface coating

WEICON Stainless Steel Spray is a chemical, corrosion-, and weather-resistant surface coating on the basis of acrylic resin and stainless steel pigments. It is temperature-resistant up to +300°C (+572°F).

Stainless Steel Spray can be used wherever a resistant and effective protective layer is required. The alloy is comprised of e.g. chromium, nickel and manganese.

WEICON Stainless Steel Spray can be used to repair damaged stainless steel parts on truck bodies, silos and pipelines, and outdoor applications. It can also be used for decorative purposes and for the optical refinement of glass, wood, stone, ceramics and most plastics.

► 400 ml  
10000139



## Stainless Steel Spray bright grade

### Provides a treated stainless steel look e.g. V2A, V4A

WEICON Stainless Steel Spray bright grade is a chemical-, corrosion- and weather-resistant surface coating on the basis of acrylic resin and stainless steel pigments. It is temperature-resistant up to +300°C for short periods and provides a treated stainless steel look.

Stainless Steel Spray bright grade can be used wherever a resistant and effective protective layer is required. The alloy is comprised of e.g. chromium, nickel and manganese. WEICON Stainless Steel Spray

bright grade can be used to repair damaged stainless steel parts on truck bodies, silos and pipelines, and in outdoor applications. It can also be used for decorative purposes and for the optical refinement of glass, wood, stone, ceramics and most plastics.

► 400 ml  
10032003



### Chrome-Silver Spray

#### High-brilliance anti-corrosive surface coating on aluminium basis

Chrome-Silver Spray is a high-brilliance surface coating. The special formulation and highest purity of the metal pigments create a high-gloss finish.

WEICON Chrome-Silver Spray can be used for prototypes and samples, mirror applications (e.g. reflectors), trade show and exhibition construction, effective decorative work and for the optical refinement of various materials.

► 400 ml  
10009426



### Copper Spray

#### High-grade and effective

WEICON Copper Spray is a high-quality, weather-resistant metal spray with high adhesive strength and a high copper content for protective and decorative coatings having an effective non-ferrous metal character for indoor and outdoor use.

It is even used for the optical refinement (copper-plating) of various material surfaces or design parts.

Copper Spray can be used on window sills, gutters and downspouts, outdoor lights and mailboxes, and for arts and crafts and decorative work.

► 400 ml  
10000140



### Isolation Spray

#### Transparent insulating and finishing varnish based on acrylic resin

WEICON Isolation Spray is a transparent insulating and finishing varnish based on acrylic resin. It forms a flexible and resistant layer, which shows excellent adhesion to metal, glass, plastic or wood. It is resistant to UV radiation, acids, oils and lyes. It is moisture- and weather-resistant and has high dielectric strength.

The spray protects against moisture as well as different vapours. It serves as protective coating for circuit boards, on electrical connections, switches, switchboards, electronic components and coils, as universal sealant in electrical engineering or for the repair of insulations on electric motors, windings and frames.

► 400 ml  
10053563





# Surface and Anti-Corrosion Coatings



VIDEO



## Corro-Protection

**Corrosion protection of metal parts for indoor storages**

WEICON Corro-Protection is a protective film approved by the German TÜV. It lastingly preserves tools and precision components with a dry and waxy layer.

WEICON Corro-Protection can be used as safe corrosion protection for bare, unpainted metal parts, for the indoor storage of workpieces, as corrosion protection during overseas transport and for the conservation of tools and precision components. The protective layer can be removed easily (e.g. with WEICON Cleaner S).



- ▶ 400 ml  
10000157  
colourless
- ▶ 400 ml  
10053034  
magenta

## Brass Spray

**High-grade and effective**

WEICON Brass Spray is a metallic coating with a high brass content and a colour shade typical of brass. For the protection and optical refinement of various materials.

Brass Spray can be used in restoration work, for decorative purposes, in arts and crafts, hobby and do-it-yourself applications. It is suited for the sustainable repair of yellow chrome-plated parts which have been damaged by drilling, welding or milling.

- ▶ 400 ml  
10000141



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



## Technical Data



|  | Zinc Spray   | Zinc Spray bright grade  | Zinc-Alu Spray   | Galva Spray  | Rust Protection 2000 PLUS charcoal-grey  | Rust Protection 2000 PLUS silver-grey  |
|--|--|--|--|--|--|--|
| Colour:  | slightly weathered hot-dip galvanization   | fresh hot-dip galvanization  | fresh hot-dip galvanization  | fresh hot-dip galvanization  | charcoal-grey / DB 703   | silver-grey / DB 701   |
| Application:                                       | indoors and outdoors   | indoors and outdoors   | indoors and outdoors   | indoors and outdoors   | indoors and outdoors   | indoors and outdoors   |
| Binding agent:                                     | styrenated alkyd resin   | modified alkyd resin   | acrylic resin  | acrylic resin  | alkyd resin  | alkyd resin  |
| Pigment:   | flaky zinc and aluminium pigments  | flaky zinc and aluminium pigments  | zinc and aluminium pigments  | zinc and aluminium pigments  | lamellar hematite  | lamellar hematite  |
| Pigment purity:                                    | approx. 99.9 Zn / approx. 99.9% Al   | approx. 99.9 Zn / approx. 99.5% Al   | approx. 99.5% Al / approx. 94.0% Zn  | approx. 99.5% Al / approx. 94.0% Zn  | > 90% ferric oxide   | > 90% ferric oxide   |
| Percentage of metal in dry film:                   | approx. 70%  | approx. 70%  | approx. 51%  | approx. 51%  | approx. 58%  | approx. 58%  |
| Content:   | 400 ml   | 400 ml   | 400 ml   | 400 ml   | 400 ml   | 400 ml   |
| Specific Weight g/cm <sup>3</sup> :                | 1.1 - 1.3  | 1.0 - 1.2  | 0.90 - 1.0   | 0.90 - 1.0   | 1.3 - 1.4  | 1.3 - 1.4  |
| Recommended primer:                                | not necessary  | Zinc Spray   | Zinc Spray   | Zinc Spray   | not necessary  | not necessary  |
| Processing temperature* <sup>2</sup> :             | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) |
| Consumption at 1.5 cross coats* <sup>3</sup> :     | approx. 150 ml/m <sup>2</sup>  | approx. 150 ml/m <sup>2</sup>  | approx. 150 ml/m <sup>2</sup>  | approx. 150 ml/m <sup>2</sup>  | approx. 160 ml/m <sup>2</sup>  | approx. 160 ml/m <sup>2</sup>  |
| Layer thickness at 1.5 cross coats* <sup>3</sup> : | approx. 30 - 50 µm   | approx. 20 - 40 µm   | approx. 20 - 40 µm   | approx. 20 - 40 µm   | approx. 60 - 80 µm   | approx. 160 ml/m <sup>2</sup>  |
| Drying time* <sup>3</sup> :                        | Dust dry   | approx. 15 minutes   | approx. 15 minutes   | approx. 15 minutes   | approx. 15 minutes   | approx. 30 minutes   |
|  | Hardened   | 10-12 hours  | 10-12 hours  | 10-12 hours  | 10-12 hours  | approx. 24 hours   |
|  | Painted over   | approx. 24 hours   | approx. 24 hours   | approx. 12 hours   | approx. 12 hours   | approx. 24 hours   |
| Abrasion-resistant:                                | abrasion-resistant   | abrasion-resistant   | abrasion-resistant   | abrasion-resistant   | abrasion-resistant   | abrasion-resistant   |
| Cross cutting DIN 53151 / ISO 2409:                | cross cut characteristic value GT 0  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  |
| Salt spraying test DIN EN ISO 9227                 | >1,050 hours   | >550 hours   | >450 hours   | >450 hours   | ---  | ---  |
| Mandrel bend test DIN EN ISO 1519:                 | no hair cracking   | no hair cracking   | no hair cracking   | no hair cracking   | no hair cracking   | no hair cracking   |
| Top coating:                                       | not required   | not required   | not required   | not required   | not required   | not required   |
| Temperature resistance after complete curing:      | from -50°C (-58°F) to +500°C (+932°F)  | from -50°C (-58°F) to +300°C (+572°F)  | from -50°C (-58°F) to +300°C (+572°F)  | from -50°C (-58°F) to +300°C (+572°F)  | from -50°C (-58°F) to +300°C (+572°F)  | from -50°C (-58°F) to +300°C (+572°F)  |
| Shelf life* <sup>5</sup> :                         | 24 months  | 24 months  | 24 months  | 24 months  | 24 months  | 24 months  |

\*<sup>2</sup> When processing at temperatures below +10°C (+50°F), heat spray cans to room temperature +20°C (+68°F).

\*<sup>3</sup> Temperature of spray can and the surface of +20°C (+68°F) and 50% relative humidity.



# Technical Sprays

## Technical Data

| Aluminium-Spray A-100  | Aluminium-Spray A-400  | Stainless Steel Spray  | Stainless Steel Spray bright grade   | Chrome-Silver Spray  | Copper Spray   | Brass Spray  |
|--|--|--|--|--|--|--|
| aluminium-metallic, matt   | aluminium, bright  | stainless steel metallic, matt   | stainless steel metallic, bright   | aluminium, glossy  | copper-metallic, matt  | brass-metallic, matt   |
| indoors and outdoors   | indoors and outdoors   | indoors and outdoors   | indoors and outdoors   | indoors  | indoors and outdoors   | indoors and outdoors   |
| acrylic resin  | hydrocarbon resin  | acrylic resin  | alkyd resin  | natural resin  | acrylic resin  | acrylic resin  |
| aluminium pigments   | flaky aluminium pigments   | stainless steel pigments   | stainless steel and aluminium pigments   | flaky aluminium pigments   | copper pigments  | brass pigments   |
| approx. 99.5% Al   | approx. 99.5% Al   | stainless steel alloy approx. 98.5%  | VA-alloy approx. 98.5% Al  | approx. 99.5% Al   | approx. 99.9% Cu   | approx. 99.9% Ms   |
| approx. 43%  | approx. 23%  | approx. 45%  | approx. 35.0%  | approx. 15%  | approx. 50%  | approx. 52%  |
| 400 ml   | 400 ml   | 400 ml   | 400 ml   | 400 ml   | 400 ml   | 400 ml   |
| 0.9 - 1.0  | 0.8 - 0.9  | 0.9 - 1.0  | 0.9 - 1.0  | 0.8 - 0.9  | 0.9 - 1.0  | 0.9 - 1.0  |
| Zinc Spray   | Zinc Spray   | Zinc Spray   | Zinc Spray   | Zinc Spray   | Zinc Spray   | Zinc Spray   |
| from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) | from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F) |
| approx. 120 ml/m <sup>2</sup>  | approx. 120 ml/m <sup>2</sup>  | approx. 120 ml/m <sup>2</sup>  | approx. 120 ml/m <sup>2</sup>  | approx. 150 ml/m <sup>2</sup>  | approx. 120 ml/m <sup>2</sup>  | approx. 120 ml/m <sup>2</sup>  |
| approx. 25-35 µm   | approx. 10-15 µm   | approx. 20-30 µm   | approx. 15-25 µm   | approx. 10-20 µm   | approx. 20-30 µm   | approx. 20-30 µm   |
| approx. 10 minutes   | approx. 10 minutes   | approx. 10 minutes   | approx. 10 minutes   | approx. 10 minutes   | approx. 10 minutes   | approx. 10 minutes   |
| approx. 4-6 hours  | approx. 4-6 hours  | approx. 4-6 hours  | approx. 10-12 hours  | approx. 4-6 hours  | approx. 4-6 hours  | approx. 4-6 hours  |
| approx. 4-6 hours  | cannot be painted  | approx. 4-6 hours  | approx. 8 hours  | cannot be painted  | approx. 4-6 hours  | approx. 4-6 hours  |
| abrasion-resistant   | not abrasion-resistant   | abrasion-resistant   | abrasion-resistant   | not abrasion-resistant   | abrasion-resistant   | abrasion-resistant   |
| cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  | cross cut characteristic value GT 0 to GT 1  |
| ---  | ---  | >200 h   | >100 h   | ---  | ---  | ---  |
| no hair cracking   | no hair cracking   | no hair cracking   | no hair cracking   | no hair cracking   | no hair cracking   | no hair cracking   |
| not required   | cannot be painted  | not required   | not required   | not required   | not required   | not required   |
| from -50°C (-58°F) to +800°C* <sup>65</sup> (+1,472°F)   | from -50°C (-58°F) to +800°C (+1,472°F)  | from -50°C (-58°F) to +300°C (+572°F)  | from -50°C (-58°F) to +300°C (+572°F)  | from -50°C (-58°F) to +400°C (+752°F)  | from -50°C (-58°F) to +300°C (+572°F)  | from -50°C (-58°F) to +300°C (+572°F)  |
| 24 months  | 24 months  | 24 months  | 24 months  | 24 months  | 24 months  | 24 months  |

<sup>65</sup> At a constant room temperature and dry storage. The same applies for closed original barrels that are not subjected to direct or indirect sunlight.

<sup>66</sup> Above +350°C (+662°F) not abrasion-resistant.



**Cleaner Spray S**

Degreases and cleans all metals, glass, ceramics and most plastics

WEICON Cleaner Spray S cleans, degreases and evaporates without leaving residues. Its special valve also makes it possible to work overhead.

Cleaner Spray S can be used on all metals, glass, and ceramics, and on most plastics, and thermoplastics such as PVC, PMMA (acrylic glass), polystyrene etc.

WEICON Cleaner Spray S can be used for cleaning and degreasing before priming and painting, for cleaning machine parts or before other WEICON products are applied on surfaces where a greasy underground would impair their effect.

► 500 ml  
10000147



**Fast Cleaner**

Cleaning and degreasing agent for sensitive areas



The Fast Cleaner has an NSF registration for the foodstuffs sector and can therefore be used as a cleaner and degreasing agent for the removal of contamination generated within the scope of maintenance work and for the removal of non-cured adhesive residues in the foodstuffs and beverages industry and in the pharmaceutical and cosmetic industries.



Fast Cleaner is used to clean and degrease surfaces which are bonded or sealed using WEICON Adhesives and Sealants, or which should be coated using WEICON metal sprays.

Fast Cleaner is pH-neutral and material-compatible, and can be used on many different materials such as metals, glass, ceramics and most rubbers and plastics.

► 500 ml  
10039119

**Universal Spatula**

Special spatula for the gentle removal of various contamination and residues. Suitable for use in the food industry. EU Regulation 10/2011/EC plastics with food contact.

10039185  
Length 25 cm, colour white





# Technical Sprays

## Cleaners and Degreasers



### Industrial Cleaner

**Powerful special cleaner with high yield**

WEICON Industrial Cleaner is suitable for universal use. It cleans, degreases and evaporates without leaving any residues. The cleaner removes grease, oil, soot and other soilings and residues. It cleans many surfaces fast and easily, such as metals, glass and many plastics. Industrial Cleaner can be used in many different areas.

It is even suitable for sensitive surfaces, such as plastics, rubber materials or powder-coated metal pieces. The cleaner operates with a highly compressed propellant. Therefore, it has a very high active ingredient content of 95 %. This means that the cleaner is very economical, so one container covers a significantly higher number of applications.

► 500 ml  
10055297



### Surface Cleaner

**Pre-treatment of bonding surfaces**

WEICON Surface Cleaner is used for the cleaning and degreasing of surfaces to be joined or sealed with WEICON Adhesives and Sealants.

WEICON Surface Cleaner can be applied on materials like metal, glass, ceramics and most plastics. Surface Cleaner can be used, for example, to clean and degrease machine components in the course of maintenance work.

► 150 ml    ► 400 ml  
10024317    10024313



### Brake Cleaner

**Multi-purpose cleaner, especially for the automotive sector**

WEICON Brake Cleaner is a universal cleaner for the automotive industry, which cleans, degreases and evaporates without leaving residues.

Brake Cleaner quickly and effortlessly degreases and cleans metals, glass and many plastics. It removes oily and greasy impurities and residues. WEICON Brake Cleaner can be used on brakes (drum and disc brakes, brake pads, brake blocks, cylinders, springs and bushings), clutches (clutch linings and components) and on engine parts (carburetors, fuel and oil pumps, gears etc.).

► 500 ml  
10000148



### Plastic-Cleaner

**Degreases and cleans sensitive surfaces**

WEICON Plastic-Cleaner cleans, degreases and evaporates without leaving residues. WEICON Plastic-Cleaner can be used to clean and degrease sensitive surfaces such as plastics\*, rubber materials or powder-coated metal parts.

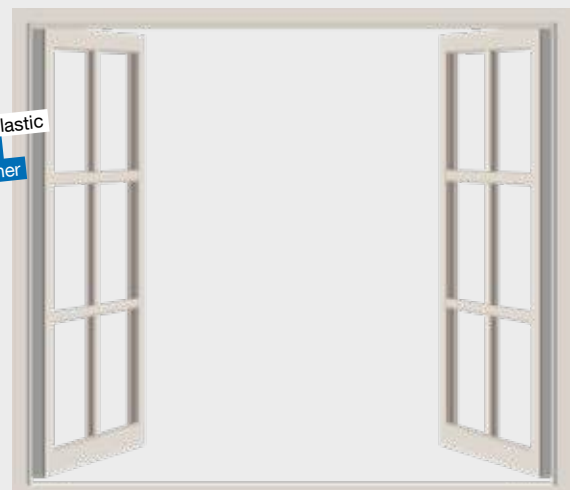
Plastic-Cleaner can be used, for example, on window frames, roller blinds, plastic profiles, seals or lacquered flanges in many industrial applications.

► 500 ml  
10005207

\*Check material compatibility before use.



Cleaning of plastic applications  
Plastic-Cleaner





**Burner Cleaner**

Especially formulated to remove grease, oil, soot and other dirt accumulations from burner parts

WEICON Burner Cleaner is a special cleaner for the removal of grease, oil, rust and other impurities from burner parts.

WEICON Burner Cleaner evaporates without leaving residues. WEICON Burner Cleaner can be used on blast connections, baffles plates, fan wheels and in housing interiors, ignition electrodes, etc.

- ▶ 500 ml
- 10009904



**Mould Cleaner**

Cleaner on the basis of highly active organic solvents

WEICON Mould Cleaner is a special cleaner based on highly active organic solvents. It effectively removes waxes, silicones, oils, non-cured PUR residues and other impurities from plastic, steel or aluminium moulds.

- ▶ 500 ml
- 10025766





# Technical Sprays Cleaners and Degreasers

## Multi-Foam

### Powerful universal cleaner

WEICON Multi-Foam is a powerful universal cleaner for residue-free cleaning. It is safe for the environment, biodegradable, free of phosphates and formaldehyde and contains no corrosive or caustic substances.

Multi-Foam can be used to clean the most diverse surfaces such as metal, plastic, glass, ceramic or lacquered and coated surfaces.

WEICON Multi-Foam can be used universally in industry, skilled trades and DIY applications.

- ▶ 150 ml    ▶ 400 ml
- 10063243    10000144



## Citrus Cleaner

### Cleaner and degreaser on the basis of citrus essences

WEICON Citrus Cleaner is an all-purpose cleaning agent based on alcohol and citrus peel extracts. Due to its high isopropyl alcohol content of over 75%, WEICON Citrus Cleaner makes use of its disinfectant effect, and thus supports the overall cleaning and disinfection of surfaces. It can be used for all purposes and is equally suited for use in industrial applications, skilled trades, window construction, in public institutions and public transport, in construction companies, and in housekeeping.

It cleans a wide range of materials, such as metals and plastics, glass, and ceramic as well as painted and coated surfaces\*. WEICON Citrus Cleaner is also highly effective and efficient in basic hygiene and supporting additional hygiene measures, in cleaning frequently used hand tools, and in removing stains due to pencils, pens, and markers.

- ▶ 400 ml
- 10032019

\*For safety reasons, the material compatibility should first be checked on a non-visible area.



proven effect according to  
DIN EN 1276 and 1650

## Foam Cleaner

### For the food industry

WEICON Foam Cleaner is universally applicable and can be used for the cleaning and degreasing of water-resistant surfaces and for the removal of soilings on plastic, glass and textile surfaces.

Due to its NSF A1 registration, the Foam Cleaner is suitable for use in sensitive areas, such as the food and beverage industry as well as in the pharmaceutical and cosmetic industry.

The spray is suitable for the cleaning of conveyor belts with contact to food, for example in production lines or retail shops. It removes soilings on machine housings and cleans scales, flat screens, touch screens, navigation systems and many more. Foam Cleaner eliminates many different impurities, such as oils and greases, fingerprints, soot, nicotine, dust as well as residues of insects. It can be used wherever acidic or alkaline detergents are not allowed. Due to its special formula and the resulting NSF registration, the Foam Cleaner can contribute towards improvements in occupational safety and health protection.

- ▶ 400 ml
- 10050556





### Electro Contact Cleaner

Cleans and degreases electronic or mechanical components

WEICON Electro Contact Cleaner is a special cleaner for the fast and effective cleaning and degreasing of all kinds of soiled or corroded contacts.

Electro Contact Cleaner was specially developed for the cleaning of electrical and mechanical components. The special formula with high-purity solvents removes oxide/sulphide layers, combustion residues and resinous or sooty soiling.

WEICON Electro Contact Cleaner reduces voltage loss and increases electric conductivity. Contamination that can cause tracking current is removed. It can be used on electro-technical or mechanical components such as electrical machines, measuring instruments, tools, balances, switches and sensors or electrical connections, contacts, relays and switchboards.

► 400 ml  
10028866

### Sealant and Adhesive Remover

Removes residues of hardened sealants and adhesives

WEICON Sealant and Adhesive Remover quickly and easily removes residues of hardened sealants and adhesives as well as lacquers and paints, even from vertical surfaces.

WEICON Sealant and Adhesive Remover can be used on metal, wood, glass, ceramics, polyethylene and polypropylene. It should not be used on sensitive plastics such as PVC, synthetics, linoleum, etc.

Sealant and Adhesive Remover loosens all kinds of sealant residues on cylinder heads, oil sumps, water pumps, exhaust manifolds, valve covers and gearbox flanges. It reliably removes oil carbon residues, paints and lacquers, and eliminates oils, resins, greases and tar. It can also be used as a paint stripper for wood restoration and removes all kinds of adhesives, even cured cyanoacrylate and anaerobic adhesives.

► 400 ml  
10026705



### Compressed-Air Spray

Universal use | fast and reliable

WEICON Compressed-Air Spray can be used universally, wherever dust cannot be easily removed by conventional methods and on parts which are difficult to reach.

It allows dust to be removed from inaccessible corners and sensitive surfaces in a dry and contact-free manner. Compressed-Air Spray can be used on hifi and video devices (e.g. modules, circuit boards, magnetic heads, disk drives, etc.), in optics (e.g. cameras and lenses), automotive fuse boxes, windshield washer systems, clock mechanisms (quartz clocks), medical technology, model building, measurement technology, and on electronic components and circuit boards.

► 400 ml  
10011614



VIDEO





## Technical Sprays

# Cleaners and Degreasers

### Visor Cleaner

**Cleaner on the basis of highly active organic solvents**

WEICON Visor Cleaner is a special cleaner for the cleaning and care of sensitive plastic and glass surfaces. It is antistatic and anti-reflective, reduces dazzling, and improves the view.

WEICON Visor Cleaner gently removes contamination caused by insects, dirt, dust, grease and nicotine without leaving streaks.

Visor Cleaner can be used on all kinds of visors, on welding face shields, safety goggles, vision protection, safety glass, plastic housings on CNC machines, printers, scanners, etc., and on all other plastic and glass surfaces.

► 200 ml  
10029663



### Screen Cleaner

**Cleans carefully without leaving residues**

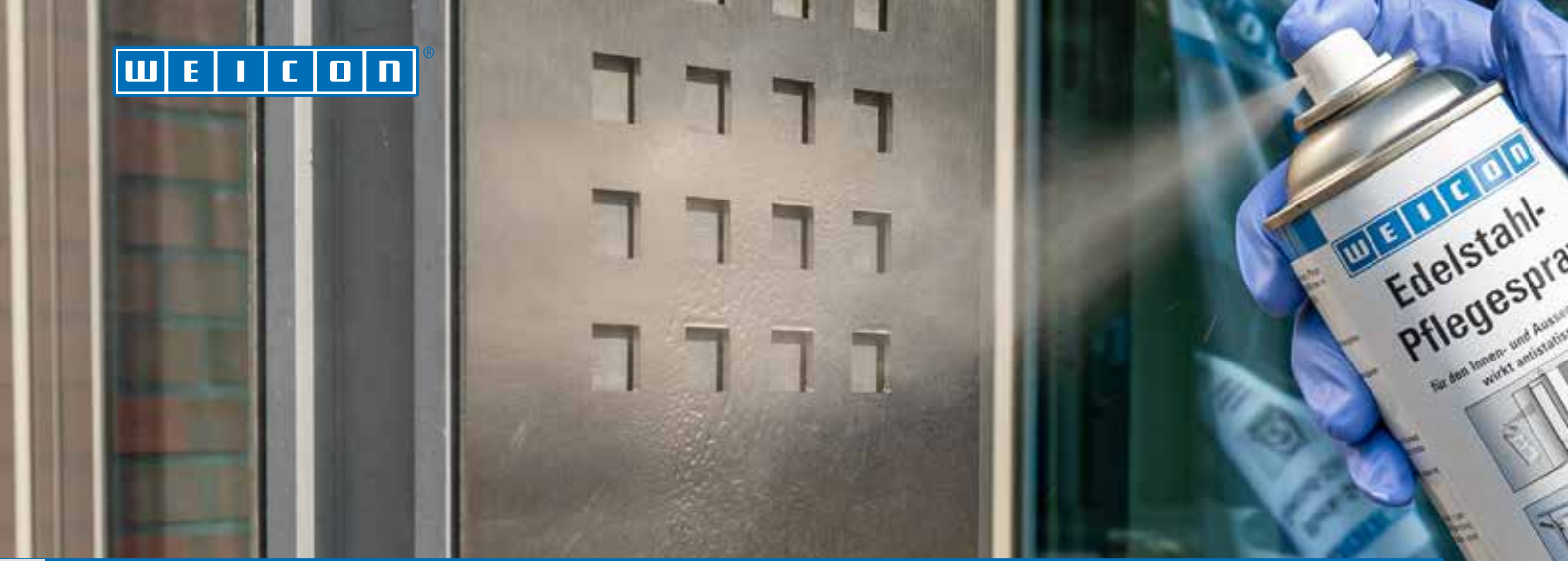
WEICON Screen Cleaner is a special cleaner for the cleaning and care of sensitive plastic and glass surfaces. It is antistatic and anti-reflective.

Its antistatic effect provides a dirt- and dust-repellent surface. WEICON Screen Cleaner gently removes contamination caused by insects, dirt, dust, grease and nicotine without leaving streaks.

WEICON Screen Cleaner can be used on all flat and plasma screens (computers, mobiles, laptop computers, televisions, scanners, copy machines, etc.) and plastic housings (on computers, scanners, copy machines or televisions).

► 200 ml  
10020650





## Stainless Steel Care Spray



### Antistatic cleaning

Stainless Steel Care Spray was specially formulated for the cleaning, protection and care of matt and polished stainless steel surfaces both indoors and outdoors and has an antistatic effect.

WEICON Stainless Steel Care Spray removes and prevents fingerprints, removes lubricating films e.g. from fume hoods, cleans even large surfaces without leaving streaks, and provides a long-lasting protective film which repels water and prevents new dirt from clinging. The product can be used in many applications.



► 400 ml  
10012800

## Cockpit-Spray

### Care product for the automotive interior

WEICON Cockpit-Spray is a water-repellent care product for all plastic and rubber parts in motor vehicle interiors. The permanent invisible protective film prevents contamination and creates an easy-care, dust-repellent silky shine.

Cockpit-Spray refreshes dull and weathered plastic. Rubber does not crack and remains supple and elastic.

WEICON Cockpit-Spray eliminates squeaky and creaky noises, and cares for dashboards, inside cladding, all plastic and rubber parts, leather, wood, and chromium, and car roofs covered with synthetic leather.

It prevents door, window and boot seals from freezing, and is used as a lubricant for seatbelts, seat guides, sunroofs, window guides, door locks and wherever greasy soiling can occur.



► 400 ml  
10002666

## Metal-Fluid



NSF  
Performance Excellence  
Program Listed #2  
Registration 138152

### Universal use | clean | maintain | protect

WEICON Metal-Fluid is a care and cleaning product for indoor matt and polished surfaces and has an NSF registration.

WEICON Metal-Fluid protects, cleans and maintains both metal surfaces and ceramics, wood, glass and plastics. It does not dissolve etched and printed markings or plastic surfaces and rubber seals. Due to its special formula and the resulting NSF registration, Metal-Fluid can contribute towards improvements in occupational safety and health protection.



► 400 ml  
10016338





## Technical Sprays

# Protection and Care



### Belt Dressing Spray

**Suitable for highly stressed power-transmission belts**

WEICON Belt Dressing Spray is a transparent belt coating based on synthetic elastomers for the most diverse types of heavily stressed drive belts.

It increases the service life, prolongs the durability of machines and systems, prevents belt slip, transmits the full drive capacity, eliminates and prevents squeaking, penetrates deep into pores, increases the effectiveness of the tensile strength, increases friction and promotes adhesion, prevents static charging, ensures suppleness and protects against ageing.

Belt Dressing Spray is suitable for many different types of belts made from all common materials such as fabric, leather, rubber or PVC. It can be used for V-belts, link belts, drive belts, flat belts, round belts, toothed belts, transmission belts, ribbed belts or conveyor belts.

WEICON Belt Dressing Spray is particularly suited for all types of drive belts in machines, aggregates, compressors, pumps, generators, conveyors, mills, pillar drills, and cooling units. The product can be used in many industrial sectors.

► 400 ml  
10031504



### Hand Protective Foam

**Waterproof and providing lasting protection**

The skin is the largest and one of the most complicated organs in the human body, it has multifaceted adjustment and defence mechanisms and provides protection against environmental influences.

Bacteria, viruses and fungi can be found everywhere in the environment and also live on our skin. Most of these microorganisms are harmless to us. Some, however, can make us sick when entering our body. Skin damages are one of the many gateways for pathogens to the human body. Therefore, it is important to take care of and protect the skin.

One important element of effective skin protection is the special care with WEICON Hand Protective Foam, which protects your hands from harmful environmental influences for several hours. WEICON Hand Protective Foam provides temporary protection against aggressive sea and industrial environments, chemicals, solvents, alkalis, acids, salts, cleaning agents, oils, greases, cement, mortar, varnishes, adhesives, or longer contact with aqueous media. However, the foam does not replace a conventional protective glove. The Hand Protective Foam does not block skin respiration or dry out the skin, while protecting it against swelling, irritations, inflammations and adhering dirt. That way, the Hand Protective Foam supports the skin in providing a natural protective barrier.

► 250 ml  
10021320



### WEICON Hand Protective Foam

- absorbs quickly
- leaves an invisible, non-greasy and waterproof protective film
- non-greasy, non-slip "invisible glove"
- supports the natural barrier of the skin and is dermatologically tested
- easy and hygienic use thanks to spray can

## Rust Converter

### Rust conversion and base coat in one process

WEICON Rust Converter: For the effective neutralisation of rust on rusty cast iron and steel surfaces. Protects from corrosion and is suitable for internal and external use.

The Rust Converter is based on epoxy resin and forms a metallic-organic iron complex with the rust layer. This connection is stabilized with the special epoxy resin, which protects metals from external impacts. The forming black layer serves as base coat and is the foundation for the subsequent, permanent coating.

The spray is anti-corrosive, shows excellent capillary action and a high opacity. It is temperature-resistant up to +80°C (+176°F) (short-term < 15 min. to +160°C (+320°F)), has good weather and UV resistance as well as excellent solvent resistance. WEICON Rust converter is free of heavy metals and mineral acid and odourless.

Rust Converter can be applied to all rusty areas, e.g. at machines and plants, agricultural equipment as well as motor vehicles. The spray can also be used as a protective, preventive layer.

► 400 ml

10047458



**THE END OF RUST**

**Corrosion Protection**

|   |  |
|---|--|
| <p><b>Stainless Steel Spray</b></p> <ul style="list-style-type: none"> <li>chemical resistant, corrosion and oxidation inhibitor surface coating</li> <li>based on specific salt and stainless steel particles</li> <li>colour: metallic stainless steel, matt</li> </ul> | <p><b>Zinc Spray</b></p> <ul style="list-style-type: none"> <li>converts all metal surfaces with a high degree of metallic-organic protection</li> <li>weathering, salt-resistant, durable protective layer</li> <li>colour: matching grey/black hot-dip galvanized metal</li> </ul> |
| <p><b>Brushless Steel Spray</b></p> <ul style="list-style-type: none"> <li>chemical resistant, corrosion and oxidation inhibitor surface coating</li> <li>applies without a brush, perfect black look</li> <li>colour: metallic stainless steel, light</li> </ul>         | <p><b>Zinc Spray</b></p> <ul style="list-style-type: none"> <li>long-term corrosion protection</li> <li>highly resistant to sulphur and sea salt corrosion</li> <li>high-grade anti-rust primer</li> <li>colour: matching black hot-dip galvanized metal</li> </ul>                  |
| <p><b>Waxes Spray</b></p> <ul style="list-style-type: none"> <li>parts, high-grade and effective</li> <li>highly resistant to oil and grease</li> <li>colour: metallic chrome, matt</li> </ul>  | <p><b>Copper Spray</b></p> <ul style="list-style-type: none"> <li>high-quality weather-resistant and long-lasting surface spray</li> <li>for positive and decorative change</li> <li>colour: metallic copper, matt</li> </ul>  |
| <p><b>Brushable Liquid Zinc</b></p> <ul style="list-style-type: none"> <li>ideal long-term corrosion protection for smooth surfaces</li> <li>high zinc content</li> <li>colour: zinc-grey, matt</li> </ul>  | <p><b>Brushable Liquid Zinc</b></p> <ul style="list-style-type: none"> <li>double corrosion protection for smooth surfaces</li> <li>colour: matching black hot-dip galvanized metal</li> </ul>   |
| <p><b>Aluminium Paint</b></p> <ul style="list-style-type: none"> <li>effective corrosion protection for all types of surfaces</li> <li>protects against abrasion and mechanical damage</li> <li>colour: silver</li> </ul>   | <p><b>Original Paste</b></p> <ul style="list-style-type: none"> <li>converting, solvent-free lubricating agent for highly stressed parts</li> <li>protects for high temperatures</li> <li>protects against corrosion and thermal expansion</li> <li>colour: copper</li> </ul>        |
| <p><b>Corrosion Protection</b></p> <ul style="list-style-type: none"> <li>protects against corrosion and abrasion</li> <li>colour: black</li> </ul>   | <p><b>Rust Protection 2000 PLUS</b></p> <ul style="list-style-type: none"> <li>weather-resistant and long-term</li> <li>highly resistant</li> </ul>  |



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



## Technical Sprays

# Solvents



### Rust Shock

The “chemical wrench”

WEICON Rust Shock is free of mineral oil, grease and silicone.

Rust Shock is a “chemical wrench” and uses its chill effect and capillary properties to loosen threaded joints in seconds.

WEICON Rust Shock can be used in all industrial sectors requiring threaded joints to be loosened.

► 400 ml  
10000143



### Rust Loosener Fluid

Penetrating oil for sensitive areas

Rust Loosener Fluid is physiologically harmless and has an NSF registration for the foodstuffs sector. This means that it can be used in the foods and beverages industry and in the pharmaceuticals and cosmetics industries.

Rust Loosener Fluid loosens rusted and oxidised screw connections, bolts, levers, joints and hinges as well as seized mechanisms on components. Due to its excellent capillary action, Rust Loosener Fluid can also penetrate the smallest cavities. It secures the function of mechanical parts and electrical contacts. The spray lastingly protects against corrosion and oxidation. It cleans and cares for metal surfaces, mechanical parts and electrical systems.

Due to its special formula and the resulting NSF registration, Rust Loosener Fluid can contribute towards the improvement of workplace safety and health protection.

► 400 ml  
10039111



### Rust Loosener and Contact Spray

Sixfold function

The sixfold function of Rust Loosener and Contact Spray makes it indispensable for repairs, maintenance and servicing. Thanks to its excellent capillary action, WEICON Rust Loosener and Contact Spray reaches even the smallest intermediate spaces. The 3-way spray valve makes it possible to work in any position (even overhead).

WEICON Rust Loosener and Contact Spray loosens rusted and stiff parts, screws, bolts, joints and hinges, dispels water from ignition systems, secures the function of mechanical parts and contacts, e.g. on distributor caps and spark plugs, sustainably protects against corrosion and oxidation, provides long-lasting lubrication to sliding surfaces, and cleans and maintains metal surfaces, mechanical parts and electrical systems.

► 400 ml  
10023536



**Contact Spray**

**Dispels moisture | prevents leakage current**

WEICON Contact Spray is based on a special combination of active ingredients for the protection and care of electrical contacts and components.

It dispels moisture from electrical contacts, prevents leakage currents and voltage loss and keeps contacts, fuses, cable connections, etc. free of oxidation and sulphide layers.

WEICON Contact Spray can therefore be used, for example, on fuse boxes, speaker systems, gate drives, electrical outlets, cable and electrical connections, cable reels and extensions, electrical garden equipment and lighting systems.

▶ 400 ml  
10026740



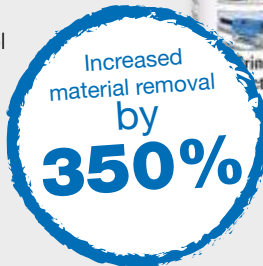
**Alu Grinding Protection**

**Effective with all abrasives | silicone-free**

WEICON Alu Grinding Protection works like a cooling lubricant and separating agent during the grinding process. It lowers the temperature at the contact point and forms a silicone-free anti-adhesive layer on the abrasive material. The use of WEICON Alu Grinding Protection avoids clogging, and the pores of the grinding media remain open.

WEICON Alu Grinding Protection greatly increases the tool life of an abrasive disc and the grinding performance can be increased by up to 350%. It can be used for all abrasive materials on foundations such as fibre wheels, sheeting, endless grinding bands, abrasive sleeves, orbital sanders, and special machines.

▶ 400 ml  
10018628



**Angle grinding test**

For the sanding of aluminium, abrasive flap wheels are used on all common angle grinders powered by an electric motor or compressed air.

Test components were:

- ▶ angle grinder (1,400 W)
- ▶ flap wheel Ø 125 mm, 60 grit
- ▶ approx. 10,000 RPM
- ▶ contact pressure approx. 4 kg
- ▶ aluminium block (AlSi9Cu3)

By using Alu Grinding Protection, the removal rate could be increased by up to 350 %.

**Label Remover**

**Including special spatula**

WEICON Label Remover quickly and easily removes paper labels and residues of acrylate and caoutchouc-based pressure-sensitive adhesives.

Label Remover is suitable for many surfaces such as glass, metal, wood, foil and plastic. WEICON Label Remover easily and safely removes adhesive labels, price tags (e.g. incorrect labels), address and product stickers, identification labels, and label residues. It also removes adhesive residues from foil labels such as vignettes on car windshields.

▶ 500 ml  
10019354



**Chewing Gum Remover**

**Including special spatula**

Chewing Gum Remover even removes old chewing gum and plasticine residues. The chewing gum and plasticine residues are frozen when sprayed on with WEICON Chewing Gum Remover and can be detached immediately and without damaging textiles or floor coatings.

WEICON Chewing Gum Remover removes chewing gum and plasticine residues from upholstered furniture, bus seats (rigid foam), school chairs and tables, textile floorings of all types and elastic and hard floor coverings such as wood and stone floors, PVC and linoleum flooring.

▶ 400 ml  
10021065



**Mould Release Agent**

**Silicone-free sliding and release agent**

Mould Release Agent is a silicone-free sliding and release agent. The high-grade combination of active ingredients, consisting of pure natural products, has a high sliding effect which prevents its adhesion to plastics, moulds, metals and tools.

WEICON Mould Release Agent can be used in plastic processing and for spraying, pressing, and vacuum deforming.

▶ 400 ml  
10000154



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



# Release Agents

## Anti-Spatter Spray

### Silicone-free

WEICON Anti-Spatter Spray contains no silicone and is perfect for cleaning welding nozzles. It also protects workpieces to be welded from the adhesion and penetration of weld spatter without impairing the welding seam.

Anti-Spatter Spray prevents welding spatter from sticking to gas nozzles and the surfaces of workpieces, provides seamless protection during the welding process and eliminates the need for subsequent cleaning of the workpieces with a spatula, brush or chisel. Post-treatment of the workpieces such as bronzing, galvanising, anodising or painting is possible without special cleaning. However, cleaning, e.g. with WEICON Cleaner Spray S, may be necessary in the case of excessive spraying.

► 400 ml  
10000160

## Anti-Spatter Spray HP **NEW**

### Long-lasting effect | transparent | silicone-free

WEICON Anti-Spatter Spray HP is a high-quality release agent and lubricant and is used for cleaning welding tips, welding nozzles and gas nozzles. It also protects workpieces and surfaces to be welded from the adhesion and penetration of weld spatter without impairing the weld seam.

The silicone-free Anti-Spatter Spray HP provides long-term protection for the treated surfaces. Using the spray minimises downtimes and interruptions in the production process for cleaning the welding equipment.

The use of the spray eliminates the need to clean the workpieces with a spatula, brush or chisel. Post-treatment of the workpieces (such as bronzing, galvanising, anodising or painting) is possible without special cleaning.

Cleaning, e.g. with WEICON Cleaner Spray S, may be necessary in the case of excessive spraying.

► 400 ml  
10000160

## Ceramic Anti-Spatter Spray

### High-temperature-resistant release agent | protective coating for MIG/MAG welding processes

WEICON Ceramic Anti-Spatter Spray is a high-grade release agent and lubricant, which is suitable for extremely high pressures and temperatures. The spray is a ceramic protective coating for MIG/MAG welding processes. It forms an anti-spatter dry film, which prevents the adhesion of welding spatter. That way, welding tips and gas nozzles are protected. The use of the spray minimises downtimes and interruptions in the production process to clean the welding equipment.

Ceramic Anti-Spatter spray is silicone-free. It protects welding heads on welding robots, welding tips and gas nozzles as well as sensitive equipment, cables, sensors etc. against the adhesion of welding spatters. It is also suitable for applications in plasma and laser cutting, brazing, aluminium extrusion, the foundry industry, sinter metallurgy, the glass industry and high-temperature furnace construction.

► 400 ml  
10060631



VIDEO







VIDEO



**W 44 T® Multi-Spray**

**Multifunctional oil with multiple effects**

WEICON W 44 T® is a multifunctional product which, thanks to its special formula and outstanding capillary action, combines corrosion protection, water repellency, lubrication, conservation and cleaning in a single product.

WEICON W 44 T® loosens seized threads, bolts, fittings and valves, penetrates and dissolves rust, dispels moisture from electrical contacts, prevents tracking currents and makes it easier to start wet motors. W 44 T® can also be used as cutting oil for drilling and cutting processes. It eliminates squeaky and creaky noises on hinges, guides, bearings and all types of joints and couplings. It cleans soiled metal surfaces and leaves a long-lasting razorthin film which does not smear or stick and does not attract dust. It protects and preserves all types of tools, machines, and electrical and mechanical precision devices and keeps them functional. The use of WEICON W 44 T® has almost no limitations in workshop, automotive, shipping, electrical, agricultural, household and hobby applications.

- ▶ 50 ml    ▶ 200 ml    ▶ 400 ml    ▶ 500 ml
- 10014593    10015286    10001023    10039121



**W 44 T®-Fluid**

**Multifunctional oil for sensitive areas**

W44T-Fluid is a physiologically harmless multifunctional oil and has an NSF registration for the foodstuffs sector. This means that it can be used in the foods and beverages industry and in the pharmaceuticals and cosmetics industries. The resin and acid-free oil unites lubrication, water repellency, corrosion protection, cleaning and conservation in one product due to a special active ingredient formula and excellent capillary action.

W44T-Fluid loosens seized screw connections, bolts, fittings, locks and valves, and penetrates and dissolves rust. It displaces the humidity from electrical contacts, prevents leakage current and facilitates the start-up of wet motors. The oil removes squeaking and creaking noises on hinges, guides, bearings and all types of joints and couplings. It cleans contamination and metal surfaces and leaves a durable, thin film, which does not smear or stick or attract dust, and which protects and maintains all tools, machines, electrical and mechanical precision devices and keeps them functional.

Due to its special formula and the resulting NSF registration, W 44 T Fluid can contribute towards the improvement of workplace safety and health protection.

- ▶ 400 ml
- 10039113



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



# Lubricating and Multifunctional Oils

## AT-44 Allround-Spray

### With PTFE super power

WEICON AT-44 is an allround spray with PTFE and without silicone which, thanks to its special formula and very low friction coefficient, combines corrosion protection, cleaning, water repellency, lubrication and conservation in a single product. AT-44 loosens seized threads, bolts, fittings and valves, dispels moisture from electrical cables, prevents tracking currents and makes it easier to start wet motors. It eliminates squeaky and creaky noises on hinges, guides, bearings and all types of joints and couplings. It cleans soiled surfaces and leaves a razor-thin film which does not smear or stick and does not attract dust. It protects and preserves all types of tools, machines, and electrical and mechanical precision devices and keeps them functional.

WEICON AT-44 knows almost no limitations in workshop, automotive, shipping, electrical, agricultural, household and hobby applications.

- ▶ 150 ml    ▶ 400 ml
- 10000149    10000150



VIDEO



- ▶ 200 ml    ▶ 500 ml
- 10027448    10000158

## Bio-Cut

### Cutting oil for all metals

WEICON Bio-Cut is free of mineral oils and biodegradable. Thanks to its particularly high lubricating effect, it enables higher cutting speeds, a longer service life and thus higher performance of cutting tools.

WEICON Bio-Cut can be used for drilling, grinding, milling, grating, sawing, punching and reaming of all kinds of steel, cast iron, stainless steels, copper, brass, aluminium and their alloys in all areas of industry.

- ▶ 400 ml

10000161



## Bio-Fluid

### High-purity mineral oil

WEICON Bio-Fluid is a medically pure white oil containing no resins or acids which was specially developed for lubrication and care. It is water-clear, free of solvents, odourless and tasteless, and water-repellent. It shows excellent capillary action and has an NSF registration. Bio-Fluid reduces friction and wear, suppresses squeaky noises, protects against corrosion and removes dirt and rust.

Bio-Fluid can be used for the lubrication, protection and maintenance of precision mechanisms, as a spray oil for production and filling plants, and as a lubricant for filling and packaging systems. It can be used wherever occasional, technically unavoidable contact with food or its packaging can occur. WEICON Bio-Fluid was developed for applications in the food, beverage, pharmaceutical and cosmetic industries.



NSF H1  
Professional Food Grade  
Pharmaceutical Grade

**Silicone-Fluid**

**Special sliding and lubricating agent for sensitive areas**

WEICON Silicone-Fluid is a special, physiologically harmless sliding agent and lubricant for sensitive areas. It has an NSF H1 registration for the foodstuffs industry, and can therefore be used in the foods and beverages industry and in the pharmaceuticals and cosmetics industries.

Silicone-Fluid is used as a separating, protection and care agent and can be used on very different surfaces such as plastic, metal, stainless steel and rubber.

Silicone-Fluid has a durable and good surface quality and is temperature-resistant up to +250°C (+482°F). Due to its special formula and the resulting NSF H1 registration, WEICON Silicone-Fluid can contribute towards the improvement of workplace safety and health protection.

► 400 ml  
**10009519**



Adhesives / Sealants

Technical Sprays



**Silicone Spray**

**Sliding and release agent**

WEICON Silicone Spray is a sliding and release agent as well as a preservative and care product for plastic, rubber and metal.

WEICON Silicone Spray provides a durable separating film and good surface properties. Silicone Spray prevents the formation of adhesive residues on presses and guides, prevents products from sticking to conveyor belts, chutes and sliding ways, protects electrical contacts from moisture, preserves rubber, plastic and metal parts, protects rubber parts from becoming brittle, freezing and sticking and allows sunroof rails, seat tracks and seatbelt rollers to run smoothly.

► 400 ml  
**10000152**



**Pneuma-Lube**

**Lubricant for pneumatic equipment | high content of PTFE**

As a lubricating and corrosion protection agent, this product is the universal problem-solver for all moving parts in pneumatic equipment and accessories. Its special product formula with a high content of PTFE makes it a multi-purpose product for: lubrication, corrosion protection, cleaning, water repellency and conservation.

Pneuma-Lube not only serves in installation or maintenance of pneumatic equipment and accessories but can also be used on pneumatic tools in operation. The excellent weathering resistance allows the use also in other sectors, e.g. in the on- and offshore industry.

► 400 ml  
**10010547**



**Fitting Spray**

**Free of silicones and resins**

WEICON Fitting Spray is a maintenance and care product with good adhering properties, which contains no silicone, resin, acid or solvents. Thanks to its special creeping and water-repellent properties, WEICON Fitting Spray reduces friction and wear and suppresses squeaky noises.

WEICON Fitting Spray is weather-resistant, protects against corrosion, and loosens dirt. It can be used for the lubrication, servicing and maintenance of fittings on windows, doors, gates, garages, tilt-and-turn hinges and shear fittings in many industrial applications.

► 200 ml  
**10028235**

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS<sup>®</sup>

Other





# Lubricating and Multifunctional Oils

## PTFE-Spray

**Grease-free | excellent sliding properties (non-stick)**

WEICON PTFE-Spray is a grease-free PTFE based dry lubricant with excellent sliding properties. WEICON PTFE-Spray adheres to all metal, plastic and wood surfaces. Its high PTFE content greatly reduces the friction coefficient. The coating repels dirt, dust and water and is resistant to oils, greases and many chemicals.

PTFE-Spray can be used on runners and guides, conveyor belts, transport rollers, slides, windows, cutting tools and packing machines. It can also be used as a permanent lubricant for shafts in plastic bearings, as a water-repellent coating for paper seals, cork seals and seal packaging, as a substitute for release agents containing silicone, and wherever oil or grease lubrication is not permitted or desired. The product can be used in many industrial applications.

► 400 ml  
10000151



VIDEO



## PTFE-Fluid

**Dry lubricant for sensitive areas**

PTFE-Fluid is a special dry lubricant with strong anti-adhesive effect, and has an NSF registration for the foodstuffs sector. This means that it can be used in the foods and beverages industry and in the pharmaceuticals and cosmetics industries.

Due to the high proportion of PTFE, the spray provides an anti-adhesive effect, through which the friction value on the coated surfaces is substantially reduced. PTFE-Fluid is grease-free and adheres to all metal, plastic and wooden surfaces. The coating repels dirt, dust and water and is resistant against oils, greases and many chemicals. Due to its special formula and the resulting NSF registration, WEICON PTFE-Fluid can contribute towards the improvement of workplace safety and health protection.

The spray can be used as permanent lubrication in many sensitive industrial areas such as on sliding and running rails and guides, on conveyor belts, transport rollers and slides, on tilt mechanisms, locks and hinges, on cutting tools and packaging machines, for shafts in plastic bearings and as a coating for solid seals and assembly aids for seal packs.

► 400 ml  
10039115



## Anti-Friction Spray MoS<sub>2</sub>

**Dry lubricant**

Anti-Friction Spray MoS<sub>2</sub> is a grease-free dry lubricant with pressure and temperature resistance from -200°C (-328°F) to +450°C (842°F). The layer repels dust, dirt and water, resists oils, greases and many chemicals and adheres to metals, plastics and wood surfaces.

The high portion of MoS<sub>2</sub> provides clean sliding lubrication, reduces friction, has excellent emergency running properties and reduces running noises.

WEICON Anti-Friction Spray MoS<sub>2</sub> shortens and improves the slide-in conditions for sliding bearings, gears and other slide pairings, particularly at high pressure load and low sliding speed.

WEICON Anti-Friction Spray MoS<sub>2</sub> can be used on sliding and running rails and guides, conveyor belts, transport rollers and slides, as a coating for cutting, on loading technology products, as a substitute for release agents containing silicone, and wherever oil or grease lubrication is not permitted or desired.

► 400 ml  
10029748





## Top-Lube

### Excellent capillary action

Top-Lube is a synthetic, transparent adhesive lubricant for the permanent lubrication of all types of highly stressed mechanical parts.

WEICON Top-Lube has a high adhesive and spinning strength and shows outstanding capillary action. It is pressure-resistant, water-repellent and can also be used during on-going operation in compliance with the respective safety regulations. It does not attack the following plastics and elastomers: PTFE, PE, PA, fluorinated -, butadiene and silicone rubber, and polychloroprene. The following materials have a limited resistance: PE-LD, POM, PP, NBR.

WEICON Top-Lube can be used on power-transmitting bolts, gearwheels, worm gears, fast-running machine parts, joints, couplings, rollers, ball bearings and spring assemblies in many industrial applications.

▶ 400 ml

10000156

## Chain and Rope Lube Spray

### Adherent and high-pressure-resistant

WEICON Chain and Rope Lube Spray is a synthetic, transparent adhesive lubricant for the permanent internal and external lubrication of all types of highly stressed chains and wire ropes.

Chain and Rope Lube Spray is particularly strongly adherent, shows excellent capillary action, suppresses noise, repels water and prevents elongation, friction and wear.

WEICON Chain and Rope Lube Spray can be used on all types of chains and wire ropes, gearwheels, worm gears, fast-running machine parts, joints, couplings, rollers, ball bearings and spring assemblies in many industrial applications.

▶ 400 ml

10000155

## Universal Spray-on Grease with MoS<sub>2</sub>

### High-pressure-resistant

WEICON Universal Spray-on Grease with MoS<sub>2</sub> is a high-pressure-resistant and strong long-term lubricant which reduces friction and wear for prolonged periods.

WEICON Universal Spray-on Grease with MoS<sub>2</sub> is suitable for rolling and slide bearings, joints, levers, sliding guides, spindles, camshafts, spline shafts, springs, exposed gears and worm gears and at all sliding speeds permitted for grease lubrication. WEICON Universal Spray-on Grease with MoS<sub>2</sub> can be used in the industrial and building sectors, in rolling mills, machine tools, agricultural and construction machines and in road and rail vehicles.

▶ 400 ml

10019872

## Top-Lube-Fluid

### Adhesive lubricant for sensitive areas

Top-Lube Fluid is a special adhesive lubricant and has an NSF registration for the foodstuffs sector, meaning that it can be used in the food and beverage industry and in the pharmaceuticals and cosmetics industries.

Top-Lube Fluid is particularly adherent and pressure-resistant, shows excellent capillary action, and is also noise-dampening and water-repellent. The spray prevents elongation, friction and wear.

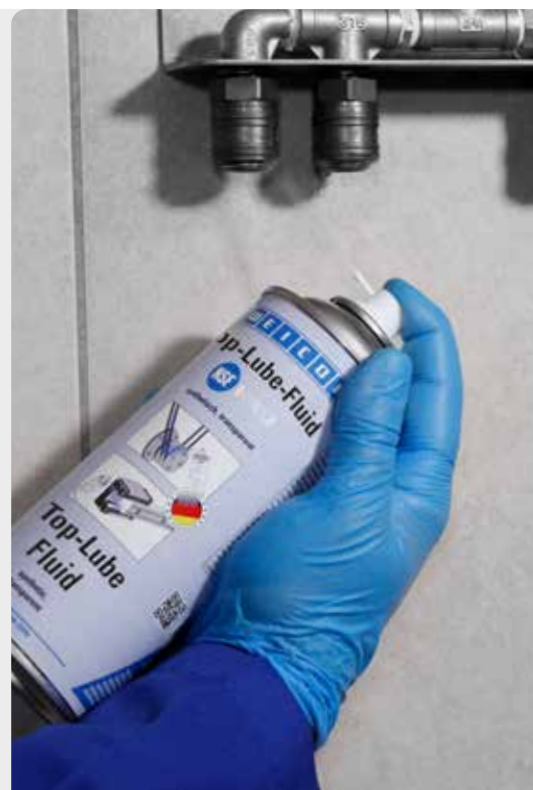
Due to its special formula and the resulting NSF registration, WEICON Top-Lube Fluid can contribute towards the improvement of workplace safety and health protection. The spray can be used on toothed wheels and worm gears, on joints and couplings, on rollers and bearings, on chains and wire cables or on spring assemblies as well as in numerous industrial fields.

▶ 400 ml

10039117



Nonfood Compounds  
Program Listed H2  
Registration 152617  
NO FOOD CONTACT





# Grease Sprays

## Adhering Grease extra strong



Also for underwater applications

WEICON Adhering Grease extra strong is a special lubricant and corrosion protectant even for underwater applications. It provides effective protection against aggressive fluids in maritime applications and in wet plants.

Adhering Grease extra strong is suitable for rolling and sliding bearings even in mixed friction operation, for joints, levers, sliding guides, spindles, spline shafts, exposed gears, worm gears, chains and wire cables and at all sliding speeds permitted for grease lubrication. The product can be used in many applications.

► 400 ml  
10019873

## Spray-on Grease white



All-purpose sprayable grease

Spray-on Grease white is a multi-purpose sprayable grease with an outstanding adhering strength and excellent aging and pressure resistance. The addition of special wear-reducing and corrosion-inhibiting additives results in temperature stability from -20°C to +150°C (-4 to +302°F) in combination with a long service life. As usual with transparent products, a visual inspection is possible at all times.

WEICON Spray-on Grease white can be used for the long-term lubrication of rods, gearwheels, rollers, ball bearings, hinges, guides and all types of joints and couplings in many industrial applications.

► 400 ml  
10007039

## Spray-on Grease H1



High-temperature grease

WEICON Spray-on Grease H1 is an odourless and tasteless grease that has been specially formulated to meet the requirements of the food, cosmetic and pharmaceutical industry. It is high-temperature-resistant and has an NSF registration.

Spray-on Grease H1 is particularly suited for servicing and maintenance in breweries and in the beverage industry, in industrial slaughterhouses, canneries, coffee-roasting establishments, industrial kitchens, swimming pools, hotels, hospitals and wherever direct contact with food cannot be excluded.

Due to its special formula and the resulting NSF registration, the Spray-on Greas H1 can contribute towards improvements in occupational safety and health protection.

► 400 ml  
10021359



VIDEO





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

**Anti-Seize Assembly Spray**

**Reliable protection against corrosion, seizing and cold welding**

WEICON Anti-Seize Assembly Spray is high-temperature-resistant and has excellent separating characteristics.

WEICON Anti-Seize is used as a protecting, separating and lubricating agent for highly stressed parts. Ideally compatible solid contents and selected additives enable a wide range of usage.

WEICON Anti-Seize protects against corrosion, seizure and wear, stick-slip phenomena, oxidation, fretting corrosion and electrolytic reactions („cold welding“). The product can be used in many industrial applications.

- ▶ 100 ml      ▶ 400 ml
- 10000216    10000219



**Anti-Seize Assembly Spray High-Tech**



**Metal-free**

WEICON Anti Seize “High-Tech” is high-temperature-resistant, has excellent separating characteristics, is metal-free, neutral to materials and has an NSF registration.

Anti-Seize High-Tech is a dry lubricant paste for metal screw connections and particularly suitable when metal-containing pastes can cause electrolytic reactions, when nickel-containing products should or may not be used due to health reasons and when dark metal-containing products should or may not be used for visual reasons.

- ▶ 400 ml
- 10000221

**Copper Paste Assembly Spray**

**Protecting, separating and lubricating agent for highly stressed parts in high-temperature applications**

WEICON Copper Paste Assembly Spray is a protecting, separating and lubricating agent which is high-temperature-resistant, corrosion-resistant and strong. It contains no sulphur, lead or nickel.

Copper Paste Assembly Spray is used as an assembly lubricant for all kinds of threaded joints and sliding surfaces. It forms an effective lubricating and separating film which protects the functional surfaces on plug-in tools, wear bushings, screws, and all kinds of threaded, plug-in and bayonet joints against corrosion and seizing.

It can be used to reduce vibration on brake blocks and guides, brake cams and pins, car and truck battery terminals and other electrical connections, wheel bolts and nuts, and on wear bushings at electrical, compressed air and hydraulic hammers.

- ▶ 400 ml
- 10025953

**Sales-Display**

- ▶ 500 ml Spray      10036464
- ▶ 400 ml Spray      10034409

**Inlay 400 ml**

- ▶ Multi-Foam      10034614
- ▶ Citrus Cleaner    10034613
- ▶ AT-44            10034612
- ▶ W 44 T®        10034611
- ▶ Surface Cleaner   10034610
- ▶ Silicone Spray    10034609
- ▶ Zinc Spray bright grade 10034608
- ▶ Rust Converter    10049832
- ▶ Allround Sealing Spray 10052152

**Inlay 500 ml**

- ▶ W 44 T®      10045852
- ▶ Industrial Cleaner 10056600
- ▶ Cleaner Spray    10039890





# Assembly Sprays and Adhesive Sprays

## Adhesive Spray extra strong

### Special product for strong and reliable adhesions

Adhesive Spray extra strong is a special formula for strong and permanent bonds on rough and uneven surfaces. A special valve allows the adhesive quantities to be adjusted with infinite variability.

WEICON Adhesive Spray extra strong can be used for the bonding of felt, PVC foil, imitation leather, carpets, plastics, cardboard, foam and cellular rubber, insulating materials, soft foam, vinyl, leather, rubber, metal and wood. It is also suitable for large-area adhesive bonding.

- ▶ 500 ml  
10024662



## Adhesive Spray

### Universal use

WEICON Adhesive Spray can be used universally and bonds light materials to themselves and among each other.

Adhesive Spray is suitable for the bonding of numerous materials such as paper, cardboard, pasteboard, wood, thin veneers, cork, leather, textiles, felt, soft foam, rubber, foam rubber, and plastic film (except for PVC and polyethylene). It is especially suited for the bonding of hard foam (e.g. polystyrene).

- ▶ 500 ml  
10000162



## Adhesive Spray for detachable joints

### Transparent

WEICON Adhesive Spray for detachable joints is especially suited for detachable and adjustable joints. It is colourless, does not soak through or cause discolouration, and does not leave a wavy surface, even when used on thin materials.

Adhesive Spray for detachable joints can be used to bond paper, cardboard and foils. The joint is detachable when the spray is applied to one side; applying the spray to both sides makes the joint permanent.

WEICON Adhesive Spray for detachable joints can be used, for example, to fuse templates, billboards, posters, photos, decorations in trade show construction, layouts and technical drawings.

- ▶ 500 ml  
10024663





**Leak Detection Spray**



DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | anti-corrosive

The spray is used for the fast, convenient and reliable location of leaks (cracks or porous spots) in pressurized pipes.

WEICON Leak Detection Spray does not form any hazardous compounds with carbon dioxide (CO<sub>2</sub>), propane, butane, acetylene, oxygen, city or natural gases. Leak Detection Spray can be used wherever compressed air, natural or liquid gas is processed, and wherever leaky points can occur on fittings, threaded joints, and connections. It greatly contributes to the safety of pneumatic brakes and gas lines.

▶ 400 ml  
 10002904



**Leak Detection Spray frost-proof**

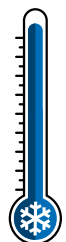


DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | anti-corrosive | frost-proof up to -15°C (+5°F)

The safe, easy and quick way to find leaks or porous spots on gas pipes. Leak Detection Spray frost-proof does not form any harmful compounds with these gases: carbon dioxide (CO<sub>2</sub>), propane, butane, acetylene, oxygen, coal and natural gas, nitrogen, dinitrogen monoxide (N<sub>2</sub>O) and CFC and is non-flammable.

Leak Detection Spray frost-proof is suitable wherever compressed air or gaseous substances are being used. For example, it can be used on pipes, hoses, fittings, screw connections, valves and adapters.

▶ 400 ml  
 10051122



-15 °C  
 (+5 °F)

**Leak Detection Spray viscous**



DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | anti-corrosive | non-drip

WEICON Leak Detection Spray viscous is the quick, easy and reliable way to find leaks in gas and compressed air pipes and fittings. The spray does not form harmful compounds with the following gases: carbon dioxide (CO<sub>2</sub>), propane, butane, acetylene, oxygen, coal and natural gas, nitrogen, dinitrogen monoxide (N<sub>2</sub>O) and CFC and it is non-flammable.

The spray is applicable wherever compressed air or gaseous substances are being used. Typical application areas for the spray are pipes, hoses, fittings, screw connections, valves and adapters.

▶ 400 ml  
 10033507



# Leak Detection Sprays and Crack Testing Agent

## Crack Testing Agent

1 & 3

### Cleaner

Material-neutral special cleaner for the dye penetrant test. Suitable for metals, many plastics, ceramic materials, glass etc. The suitability for plastic has to be tested in advance.

► 500 ml  
10047463

2

### Penetrant

Red diffusive agent with excellent capillary action for the non-destructive material testing - washes off with solvent. Suitable for metals, many plastics, ceramic materials, glass etc. The suitability for plastic has to be tested in advance.

► 500 ml  
10047461

4

### Developer

Colourfast special developer on solvent basis for dye penetrant tests. Suitable for metals, many plastics, ceramic materials, glass etc. The suitability for plastic has to be tested in advance.

► 500 ml  
10047462

ALSO AVAILABLE AS  
SET

10049835

The WEICON Crack Testing Agent Set comprises:  
1 x 500 ml Cleaner (10047463)  
1 x 500 ml Penetrant (10047461)  
1 x 500 ml Developer (10047462)



1

Cleaning the surface with the Cleaner



2

Apply Penetrant and allow to react



3

Clean again to remove excess Penetrant



4

Apply Developer and perform final visual assessment



**Standards and regulations**  
Sample-tested according to DIN EN ISO 3452-2. Low sulphur and halogen content, according to DIN EN ISO 3452-2 and ASME-Code, Section V, Article 6, T641,07-2015.





Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



**Allround Sealing Spray**



Paintable |  
 for indoor and outdoor use

WEICON Allround Sealing Spray is a sprayable plastic with high adhesive strength for the sealing of leaks. It has been developed especially for the sealing of the finest cracks and seams indoors and outdoors.

It can be used for the sealing of many different things, like gutters, sewage and drainage pipes, caravans, mobile homes, boats, roofs, windows, pool walls, pond foils, cell shafts and ventilation shafts.

The spray is paintable, waterproof and weather- and UV-resistant. It protects metals against corrosion and is free of bitumen and silicone.

Allround Sealing Spray adheres to many surfaces, like stone, metal, plastic, wood, enamel, and many more.

- ▶ 400 ml    ▶ 400 ml    ▶ 400 ml
- 10052245    10049571    10052243
- black            grey            white



VIDEO





# Special Sprays



## Smoke Detector Test Spray

**Silicone-free | evaporates without leaving residues**

WEICON Smoke Detector Test Spray is ideal for a secure checking of the correct functioning of optical or photoelectrical smoke detectors and smoke switches.

The use of Smoke Detector Test Spray does not contaminate the detectors as the spray evaporates completely without residues.

The spray can be used wherever photoelectric smoke detectors are employed, for example in industrial plants, public facilities and private households.

▶ 150 ml    ▶ 250 ml

10031819    10027381



## Starter-Spray

**For all combustion engines**

WEICON Starter Spray is suitable for the easy and safe starting of combustion engines. The safe cold starting of all engines is made possible by a special combination of ingredients.

Starter Spray is ideal at low temperatures, in damp weather or after longer engine downtimes. The spray protects both the engine and the battery. Starter Spray is suited for both diesel and petrol engines. Whether with or without a catalytic converter, whether a motor vehicle, construction machinery, agricultural machinery, chain saws, lawn mowers, boat engines, motorcycles or scooters – WEICON Starter Spray can be used everywhere.

▶ 400 ml

10030465



## Activating Cleaner

**Cleaner and primer in one product | for the pretreatment of bonding surfaces**

Universal cleaning and bonding agent rolled into one product. Specially developed for the pre-treatment of smooth surfaces, such as stainless steel, glass and plastics. The spray is used for an optimum preparation of non-absorbent surfaces. Cleaning and activation of non-porous substrates is carried out in just one step. The spray can improve the adhesive strength of the adhesive used, if necessary.

The Activating Cleaner has a short flash-off time and can be applied quickly and easily. This makes it ideal for use in industrial series production with short cycle times or for bonding applications that have to be carried out at short notice.

▶ 400 ml

10062859



## Freeze Spray

VIDEO



**Precise chilling down to -45°C (-49°F)**

WEICON Freeze-Spray has many uses and is suitable for fault-finding in electronics and for repair works in industrial sector.

Freeze Spray quickly cools parts down to -45°C (-49°F) and allows pin-pointed chilling of even the smallest construction parts.

WEICON Freeze Spray is non-conductive and neutral to materials (with the exception of plastic) and can be used in many industrial and technical applications.

▶ 400 ml

10011613



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



**Silicone-Fluid**

Nonfood Compounds  
Program Listed H1  
Registration: 100798

Excellent sliding and separating effect |  
temperature resistance from -30°C to  
+250°C (-22°F to +482°F)

▶ 400 ml  
10009519



**Rust Loosener Fluid**

Nonfood Compounds  
Program Listed H1  
Registration: 100887

Penetrates into the smallest cavities |  
secures the function of mechanical  
parts and electrical contacts | protects  
against corrosion and oxidation

▶ 400 ml  
10039111



**Spray-on Grease H1**

Nonfood Compounds  
Program Listed H1  
Registration: 100887

High-temperature-resistant |  
odour- and tasteless |  
NSF-H1 registration

▶ 400 ml  
10021359



**Metal-Fluid**

Nonfood Compounds  
Program Listed A2  
Registration: 100798

For matt and polished surfaces |  
for stainless steel, ceramics, glass,  
plastics, wood | NSF-A7 registration

▶ 400 ml  
10016338



**PTFE-Fluid**

Nonfood Compounds  
Program Listed H2  
Registration: 100820  
NO FOOD CONTACT

Repels dirt, dust and water | resistant  
against oils, greases and many  
chemicals | NSF-H2 registration

▶ 400 ml  
10039115



**Foam Cleaner**

Nonfood Compounds  
Program Listed A1  
Registration: 100887

Special cleaner for the food industry |  
universally applicable |  
NSF A1 registration

▶ 400 ml  
10050566



**Bio-Fluid**

Nonfood Compounds  
Program Listed H1  
Registration: 100798

High lubricating effect and good  
capillary action | high-purity medical  
white oil | NSF-H1 registration

▶ 500 ml  
10000158



**Fast Cleaner**

Nonfood Compounds  
Program Listed A1  
Registration: 100887

pH-neutral and material-compatible |  
can be used on many different materials  
such as metals, glass, ceramics and most  
rubbers and plastics | NSF-A1 registration

▶ 500 ml  
10039119



**Industrial Cleaner**

Nonfood Compounds  
Program Listed E1, E2  
Registration: 100887

Powerful special cleaner  
with high yield

▶ 500 ml  
10055297



**Top-Lube-Fluid**

Nonfood Compounds  
Program Listed H2  
Registration: 100817  
NO FOOD CONTACT

Particularly adherent and pressure-  
resistant | noise-dampening and water-  
repellent | prevents elongation, friction  
and wear

▶ 400 ml  
10039117



**W 44 T®-Fluid**

Nonfood Compounds  
Program Listed H1  
Registration: 100887

Resin- and acid-free | excellent  
capillary action | lubrication, water  
repellency, corrosion protection,  
cleaning and conservation in one  
product

▶ 400 ml  
10039113



**Anti-Seize High-Tech**

Nonfood Compounds  
Program Listed H1  
Registration: 100887

White assembly paste, high-  
temperature-resistant | metal-free |  
NSF-H1 registration

▶ 400 ml  
10000221



**Zinc Spray**

Nonfood Compounds  
Program Listed H1  
Registration: 100798

Long-term cathodic corrosion  
protection | paintable | >1050  
in the salt spray test according  
to DIN EN ISO 9227

▶ 400 ml  
10000016



**Zinc Spray bright grade**

Nonfood Compounds  
Program Listed H1  
Registration: 100798

Long-term cathodic corrosion  
protection | bright colour shade  
matching hot-dip galvanization

▶ 400 ml  
10000047



# Technical Sprays for Sensitive Areas



## Technical Sprays

### for sensitive areas

With our selection of chemo-technical products with food certifications, we ensure that you get the right products for your production, maintenance and repair which meet your exact requirements quality- and safety-wise.

We have developed a variety of special products for the most different applications which meet the high standards of the National Sanitation Foundation (NSF). These products can be used in sensitive areas such as food production, food and beverage industry and the pharmaceutical and cosmetic industry. Here our adhesives and sealants, assembly pastes or cleaners can be applied in the different areas of production.



#### Lubricants, Release Agents and Anti-Corrosion Agents

|           |   |  |
|-----------|---|--|
| <b>H1</b> | Lubricants for use in food processing areas where accidental contact with food cannot be prevented.   | Anti-Seize High-Tech   Bio-Fluid (Spray, Technical liquid)   Silicon-Fluid   Spray-on Grease H1   Rust Loosener-Fluid   W 44 T <sup>®</sup> -Fluid |
| <b>H2</b> | Lubricants exclusively for areas in which direct or indirect contact with food can be ruled out.  | PTFE-Fluid   Top-Lube-Fluid  |
| <b>R2</b> | Coatings for use on structural surfaces, which do not come into contact with food. The product must be applied in a way that prevents direct or indirect contamination of food. | Zinc Spray   Zinc Spray bright grade   |

#### Cleaning Agents

|                |  |   |
|----------------|--|---|
| <b>A1</b>      | Universal cleaner exclusively for areas in which direct contact with food can be ruled out. Surfaces and equipment must be rinsed thoroughly with drinking water after cleaning. | WEICON Fast Cleaner (Spray, Technical liquid)   WEICON Foam Cleaner |
| <b>A7</b>      | Cleaning agent and polishes for metal surfaces without food contact. Odours must be dissipated completely before contact with food or packaging may occur.                       | WEICON Metal-Fluid (Spray, Technical liquid)                        |
| <b>C1</b>      | Cleaner for use in non-food processing areas. Cleaned equipment must be rinsed thoroughly with drinking water before it is returned to food areas.                               | WEICON Metal-Fluid (Technical liquid)                               |
| <b>K1   K3</b> | Solvent cleaner and degreaser for use in non-food processing areas. Solvent adhesive or glue remover without direct food contact.  | WEICON Industrial Cleaner (Spray)                                   |



### Universal Spatula white

10039185

Special spatula for the gentle removal of the most diverse contamination and residues. Suitable for use in the food industry.

EU Regulation 10/2011/EC plastics with food contact.

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS<sup>®</sup>

Other



## Technical Data

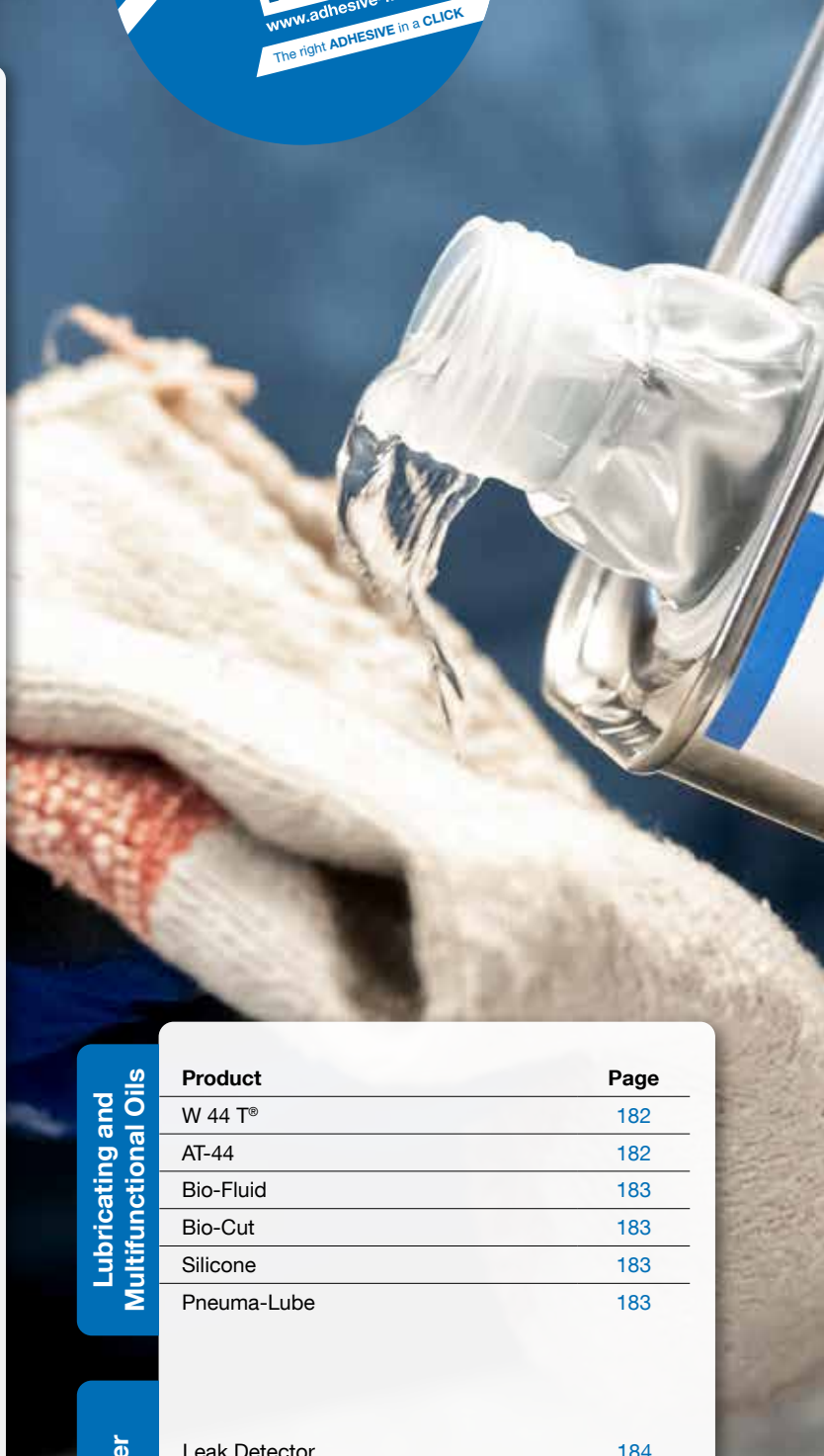
|   | Colour                 | Odour                 | Temp. resistance  | Content       | Shelf life (months) | Special features  |
|---|------------------------|-----------------------|---|---------------|---------------------|---|
| <b>Adhering Grease extra strong</b>         | beige                  | almost odourless      | -25°C (-13°F) to +80°C (+176°F)                               | 400 ml        | 24                  | adhering even under water   |
| <b>Activating Cleaner</b>                   | transparent            | solvent / alcohol     | ---   | 400 ml        | 24                  | cleaner and primer in one product; for the pretreatment of bonding surfaces                 |
| <b>Adhesive Spray</b>                       | beige                  | solvent               | -20°C (-4°F) to +65°C (+149°F)                                | 500 ml        | 12                  | large surface bonding of light materials  |
| <b>Adhesive Spray extra strong</b>          | yellowish              | solvent               | -20°C (-4°F) to +80°C (+176°F)                                | 500 ml        | 12                  | bonding of big surfaces, even with absorbing materials                                      |
| <b>Adhesive Spray for detachable joints</b> | colourless             | solvent               | -20°C (-4°F) to +50°C (+122°F)                                | 500 ml        | 12                  | does not strike through nor leaves wavy surfaces  |
| <b>Allround Sealing Spray</b>               | grey                   | solvent               | -50°C (-58°F) to +100°C (+212°F)                              | 400 ml        | 24                  | seals reliably and quickly  |
| <b>Alu Grinding Protection</b>              | colourless             | solvent               | -20°C (-4°F) to +130°C (+266°F)                               | 400 ml        | 24                  | silicone-free   |
| <b>Anti-Friction Spray MoS<sub>2</sub></b>  | anthracite black       | solvent               | -200°C (-328°F) to +450°C (+842°F) briefly to +500°C (+932°F) | 400 ml        | 24                  | dry lubricant on MoS <sub>2</sub> basis   |
| <b>Anti-Seize High Tech</b>                 | white                  | medical white oil     | -40°C (-40°F) to +1,400°C (+2,552°F)                          | 400 ml        | 24                  | perfect protection against the seizing of high-alloy steels, NSF H1                         |
| <b>Anti-Seize Assembly Spray</b>            | anthracite             | synthetic oil mixture | -180°C (-292°F) to +1,200°C (+2,192°F)                        | 400 ml        | 24                  | extremely high pressure resistance, corresponds to MIL907D                                  |
| <b>Anti-Spatter Spray</b>                   | colourless             | solvent               | ---   | 400 ml        | 24                  | silicone-free   |
| <b>Anti-Spatter Spray HP</b>                | transparent            | almost odourless      | ---   | 400 ml        | 24                  | silicone-free, long-lasting protection  |
| <b>AT-44 Allround-Spray</b>                 | yellowish              | vanilla               | -50°C (-58°F) to +210°C (+410°F)                              | 150 ml 400 ml | 24                  | high-performance lubricating oil with PTFE  |
| <b>Belt Dressing Spray</b>                  | colourless             | mineral oil           | -40°C (-40°F) to +80°C (+176°F)                               | 400 ml        | 24                  | suitable for highly-stressed powertransmission belts  |
| <b>Bio-Cut</b>                              | colourless             | almost odourless      | to +200°C (+392°F)  | 400 ml        | 24                  | completely biodegradable  |
| <b>Bio-Fluid</b>                            | colourless             | almost odourless      | -25°C (-13°F) to +120°C (+248°F)                              | 500 ml        | 24                  | corresponds to purity grade of DAB10, USDA H1, FDA Regulations, FDA positive list           |
| <b>Brake Cleaner</b>                        | colourless             | citrus                | ---   | 500 ml        | 24                  | evaporates without residues   |
| <b>Burner Cleaner</b>                       | colourless             | citrus                | ---   | 500 ml        | 24                  | evaporates without residues   |
| <b>Ceramic Anti-Spatter Spray</b>           | white                  | solvent               | ---   | 400 ml        | 24                  | excellent adhesion  |
| <b>Chain and Rope Lube Spray</b>            | colourless             | mineral oil           | -40°C (-40°F) to +200°C (+392°F)                              | 400 ml        | 24                  | particularly adhesive, pressure-resistant, extremely high capillary action, sound-absorbent |
| <b>Chewing Gum Remover</b>                  | ---                    | almost odourless      | ---   | 400 ml        | 24                  | removes even old chewing gum or modelling clay residues                                     |
| <b>Citrus Cleaner</b>                       | colourless             | citrus                | ---   | 400 ml        | 24                  | evaporates without residues, pH neutral   |
| <b>Cleaner Spray S</b>                      | colourless             | orange                | ---   | 500 ml        | 24                  | evaporates without residues   |
| <b>Cockpit-Spray</b>                        | colourless             | citrus                | ---   | 400 ml        | 24                  | dust- and water-repellent colour-intensifying, silk-matt                                    |
| <b>Compressed-Air Spray</b>                 | ---                    | almost odourless      | ---   | 400 ml        | 24                  | cleans in a contact-free manner   |
| <b>Contact Spray</b>                        | transparent            | solvent               | -20°C (-4°F) to +150°C (+302°F)                               | 400 ml        | 24                  | dispels moisture, protects electrical contacts  |
| <b>Copper Paste Assembly Spray</b>          | copper                 | mineral oil           | -20°C (-4°F) to +1,100°C (+2,012°F)                           | 400 ml        | 24                  | high-temperature-resistant  |
| <b>Corro-Protection</b>                     | colourless and magenta | solvent               | -20°C (-4°F) to +80°C (+176°F)                                | 400 ml        | 24                  | on a wax basis  |
| <b>Crack Testing Agent Cleaner</b>          | colourless             | solvent               | 0°C (+32°F) to +50°C (+122°F)                                 | 500 ml        | 24                  | evaporates without residues   |
| <b>Crack Testing Agent Developer</b>        | white                  | solvent               | 0°C (+32°F) to +50°C (+122°F)                                 | 500 ml        | 24                  | reliable indication of material errors  |
| <b>Crack Testing Agent Penetrant</b>        | red                    | solvent               | 0°C (+32°F) to +50°C (+122°F)                                 | 500 ml        | 24                  | very good penetration properties  |
| <b>Electro Contact Cleaner</b>              | colourless             | solvent               | ---   | 400 ml        | 24                  | high-purity solvents  |
| <b>Fast Cleaner</b>                         | colourless             | solvent               | -10°C to +50°C (+14°F to +122°F)                              | 400 ml        | 24                  | NSF-A1 approval   |
| <b>Fitting Spray</b>                        | colourless             | odourless             | -25°C (-13°F) to +120°C (+248°F)                              | 200 ml        | 24                  | resin- and acid-free mineral oil  |
| <b>Foam Cleaner</b>                         | white                  | odourless             | ---   | 400 ml        | 24                  | NSF-A1 approval   |
| <b>Freeze Spray</b>                         | ---                    | almost odourless      | ---   | 400 ml        | 24                  | targeted cooling of even the smallest components down to -45°C (-49°F)                      |



# Technical Sprays

## Technical Data

|   | Colour               | Odour            | Temp. resistance   | Content                   | Shelf life (months) | Special features  |
|---|----------------------|------------------|--|---------------------------|---------------------|---|
| <b>Hand Protective Foam</b>                           | white                | odourless        | ---  | 200 ml                    | 24                  | with liposomes, dermatologically tested   |
| <b>Industrial Cleaner</b>                             | colourless           | solvent          | ---  | 500 ml                    | 24                  | high performance, 95 % active ingredient content, NSF-K1,K3 approval                            |
| <b>Isolation Spray</b>                                | colourless           | solvent          | -40°C (-40°F) to +120°C (+248°F)                                     | 400 ml                    | 24                  | high dielectric strength, material-compatible   |
| <b>Label Remover</b>                                  | colourless           | citrus           | ---  | 500 ml                    | 24                  | removes paper and foil labels with special spatula  |
| <b>Leak Detection Spray</b>                           | milky                | almost odourless | 0°C (+5°F) to +50°C (+122°F)   | 400 ml                    | 24                  | DVGW-tested   |
| <b>Leak Detection Spray frost-proof</b>               | colourless           | almost odourless | -15°C (+5°F) to +50°C (+104°F)                                       | 400 ml                    | 24                  | DVGW-tested; frost-proof  |
| <b>Leak Detection Spray viscous</b>                   | colourless           | almost odourless | 0°C (+32°F) to +50°C (+122°F)  | 400 ml                    | 24                  | non-sag   |
| <b>Metal-Fluid</b>                                    | milky                | almost odourless | ---  | 400 ml                    | 24                  | antistatic effect, NSF-A7 approval  |
| <b>Mould Cleaner</b>                                  | colourless           | citrus           | ---  | 500 ml                    | 24                  | removes waxes, oils, silicones and other impurities from moulds and tools                       |
| <b>Mould Release Agent</b>                            | colourless           | solvent          | -20°C (-4°F) to +130°C (+266°F)                                      | 400 ml                    | 24                  | silicone-free   |
| <b>Multi-Foam</b>                                     | white                | citrus           | ---  | 400 ml                    | 24                  | biodegradable   |
| <b>Plastic-Cleaner</b>                                | colourless           | citrus           | ---  | 500 ml                    | 24                  | for sensitive plastic surfaces  |
| <b>Pneuma-Lube</b>                                    | yellowish            | vanilla          | -50°C (-58°F) to +210°C (+410°F)                                     | 400 ml                    | 24                  | high-performance lubricating oil with PTFE  |
| <b>PTFE-Fluid</b>                                     | whitish, transparent | almost odourless | -180°C (-292°F) to +260°C (+500°F)                                   | 400 ml                    | 24                  | NSF-H 2 approval  |
| <b>PTFE-Spray</b>                                     | white                | almost odourless | -180°C (-292°F) to +250°C (+482°F)                                   | 400 ml                    | 24                  | dry lubricant on a PTFE basis   |
| <b>Rust Converter</b>                                 | beige, transparent   | synthetic resin  | -50°C to +80°C (-58°F to +176°F) (briefly <15 min. to +160°C/+320°F) | 400 ml                    | 24                  | rust converting, priming, sealing   |
| <b>Rust Loosener and Contact Spray</b>                | beige                | petroleum        | -20°C (-4°F) to +150°C (+302°F)                                      | 400 ml                    | 24                  | sixfold function  |
| <b>Rust Loosener Fluid</b>                            | beige                | almost odourless | -20°C (-4°F) to +150°C (+302°F)                                      | 400 ml                    | 24                  | loosens, lubricates, cleans and protects, NSF H1 approval                                       |
| <b>Rust-Shock</b>                                     | transparent          | solvent          | ---  | 400 ml                    | 24                  | removes rusted-tight screw connections of any type in seconds                                   |
| <b>Screen Cleaner</b>                                 | white                | almost odourless | ---  | 200 ml                    | 24                  | also suitable for sensitive plastic and glass surfaces  |
| <b>Sealant and Adhesive Remover</b>                   | pink                 | solvent          | ---  | 400 ml                    | 24                  | powerful  |
| <b>Silicone Spray</b>                                 | colourless           | solvent          | -50°C (-58°F) to +250°C (+482°F)                                     | 400 ml                    | 24                  | silicone oil basis  |
| <b>Silicone-Fluid</b>                                 | colourless           | odourless        | -30 to +250°C (-22 to +482°F)  | 400 ml                    | 24                  | NSF-H1 approval   |
| <b>Smoke Detector Test Spray</b>                      | colourless           | solvent          | ---  | 150 ml<br>250 ml          | 24                  | silicone-free, evaporates without residues  |
| <b>Spray-on Grease H1</b>                             | yellowish-white      | almost odourless | -40°C (-40°F) to +160°C (+320°F)                                     | 400 ml                    | 24                  | odour- and tasteless high-temperature grease, NSF-H 1 approval                                  |
| <b>Spray-on Grease white</b>                          | white                | solvent          | -20°C (-4°F) to +150°C (+302°F)                                      | 400 ml                    | 24                  | very good adhesive and lubricating properties   |
| <b>Stainless Steel Care Spray</b>                     | colourless           | almost odourless | -20°C (-4°F) to +130°C (+266°F)                                      | 400 ml                    | 24                  | antistatic effect, indoors and outdoors   |
| <b>Starter-Spray</b>                                  | colourless           | solvent          | ---  | 400 ml                    | 24                  | for all combustion engines  |
| <b>Surface Cleaner</b>                                | colourless           | solvent          | ---  | 400 ml                    | 24                  | before the application of WEICON Adhesives and Sealants   |
| <b>Top-Lube</b>                                       | colourless           | mineral oil      | -40°C (-40°F) to +200°C (+392°F)                                     | 400 ml                    | 24                  | particularly adhesive, pressure-resistant, and water-repellent. With excellent capillary action |
| <b>Top-Lube-Fluid</b>                                 | light yellowish      | neutral          | -20°C to +250°C (-4°F to +482°F)                                     | 400 ml                    | 24                  | synthetic, transparent, NSF H2 approval   |
| <b>Universal Spray on Grease with MoS<sub>2</sub></b> | black                | almost odourless | -20°C (-4°F) to +120°C (+248°F)                                      | 400 ml                    | 24                  | high-pressure-resistant, long-term grease   |
| <b>Visor Cleaner</b>                                  | white                | almost odourless | ---  | 200 ml                    | 24                  | cleaning without residues and neutral to surfaces   |
| <b>W 44 T<sup>®</sup> Multi-Spray</b>                 | yellowish            | vanilla          | -50°C (-58°F) to +210°C (+410°F)                                     | 200 ml, 400 ml,<br>500 ml | 24                  | multifunctional oil with multiple effect  |
| <b>W 44 T<sup>®</sup>-Fluid</b>                       | beige                | almost odourless | -20°C to +150°C (-4°F to +302°F)                                     | 400 ml                    | 24                  | loosens, lubricates, protects, separates and maintains, NSF H1 approval                         |



Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other

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# Technical Liquids



## WEICON Technical Liquids

**Environmentally friendly | economical | effective**

Environmental protection, economic efficiency and health and safety at work - these are all requirements which every company has to fulfil to an increasing degree. That is why products and production systems that reach these requirements are becoming all the more important.

WEICON Technical Liquids meet the highest demands:

- ▶ they contain no flammable propellants
- ▶ no extensive or costly disposal is necessary
- ▶ emissions are reduced
- ▶ less packaging waste
- ▶ only the substance itself is processed



WEICON Technical Liquids are available for the following areas of application:

- ▶ cleaning and degreasing
- ▶ lubrication, care and maintenance
- ▶ release and separating
- ▶ surface and anti-corrosion coatings

### Rust Converter\*

#### Rust converter and base coat in one process

WEICON Rust Converter is used for the effective neutralization of rust on rusty cast iron and steel surfaces.

Rust Converter reliably stops the corrosion process and thus provides a base coat for subsequent surface coatings. Due to its special formula, Rust Converter penetrates rust and converts iron oxides into a stable, black layer in a chemical process.

It can be applied to all rusty areas, e.g. on machines and plants, agricultural equipment as well as motor vehicles.

- ▶ 1 kg      ▶ 5 kg      ▶ 10 kg      ▶ 28 kg
- 10053280    10053605    10053607    10053611



### Rust Loosener

#### Sixfold function

WEICON Rust Loosener's sixfold function makes it indispensable for repairs, maintenance and servicing. Thanks to its excellent capillary action, WEICON Rust Loosener reaches even the smallest cavities.

WEICON Rust Loosener loosens rusted and stiff parts, screws, bolts, joints and hinges, permanently protects against corrosion and oxidation, durably lubricates sliding surfaces, cleans and maintains metallic surfaces and mechanical parts and is temperature-resistant from -20°C to +150°C (-4 to +302°F).

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10007609    10000340    10000233    10053451



\* Not to spray with WSD 400 and WPS 1500. Just for application with paint brush / paint roller.





## Technical Liquids

# Solvents

### Rust Remover liquid **NEW**

**highly concentrated | removes rust from parts down to bare metal**

WEICON Rust Remover liquid is a special concentrate for removing rust and corrosion. The highly concentrated dip is suitable for sheet metal and steel structures as well as a wide variety of metal parts and removes rust from surfaces down to the bare metal.

Rust Remover liquid can be used without special equipment and requires no special tools. The dip, which is based on an aqueous solution, is diluted with water for standard applications. Rusty parts can be immersed directly. The rust removal concentrate is also suitable for ultrasonic baths and can be reused several times.

The special dip is suitable for a wide range of industrial applications where rust and corrosion need to be removed. For example, it is ideal for removing rust from the inside of fuel tanks.

► 1 L      ► 5 L  
10101897    10101900

### Rust Remover Gel **NEW**

**high reaction speed | very economical | solvent-free**

Gel for fast and reliable removal of rust and tarnish. The Rust Remover Gel can be used on ferrous steel, brushed stainless steel, copper, brass, chrome and silver. It has a high reaction speed, penetrates very well and is very economical. The gel removes tarnish in just a few seconds. With rust, the removal process can take between 15 minutes and 12 hours – depending on the degree of corrosion.

The blue gel does not need to be heated for application, but can be processed at room temperature. This solution is based on natural substances, is solvent-free and ensures gentle rust removal.

WEICON Rust Remover Gel can be used in various areas of industry and trade.

► 1 L      ► 5 L  
10101908    10101905





**Aluminium Paint\***

**Effective | abrasion-resistant**

Aluminium Paint is used as corrosion protection and for the optical enhancement of metallic surfaces. Upon contact with moisture, aluminium pigments form a dense, almost impermeable oxide layer on the surface which prevents further moisture penetration.

High abrasion resistance and a long colour shade guarantee are achieved by pigments which evenly distribute themselves throughout the entire coating upon application.

This protects WEICON Aluminium Paint against abrasion and chemical effects after it has thoroughly hardened.

- ▶ 375 ml    ▶ 750 ml
- 10027113    10012085



**Brushable Liquid Zinc Coating\***

**Repair for galvanized surfaces with a colour shade matching hot-dip galvanization**

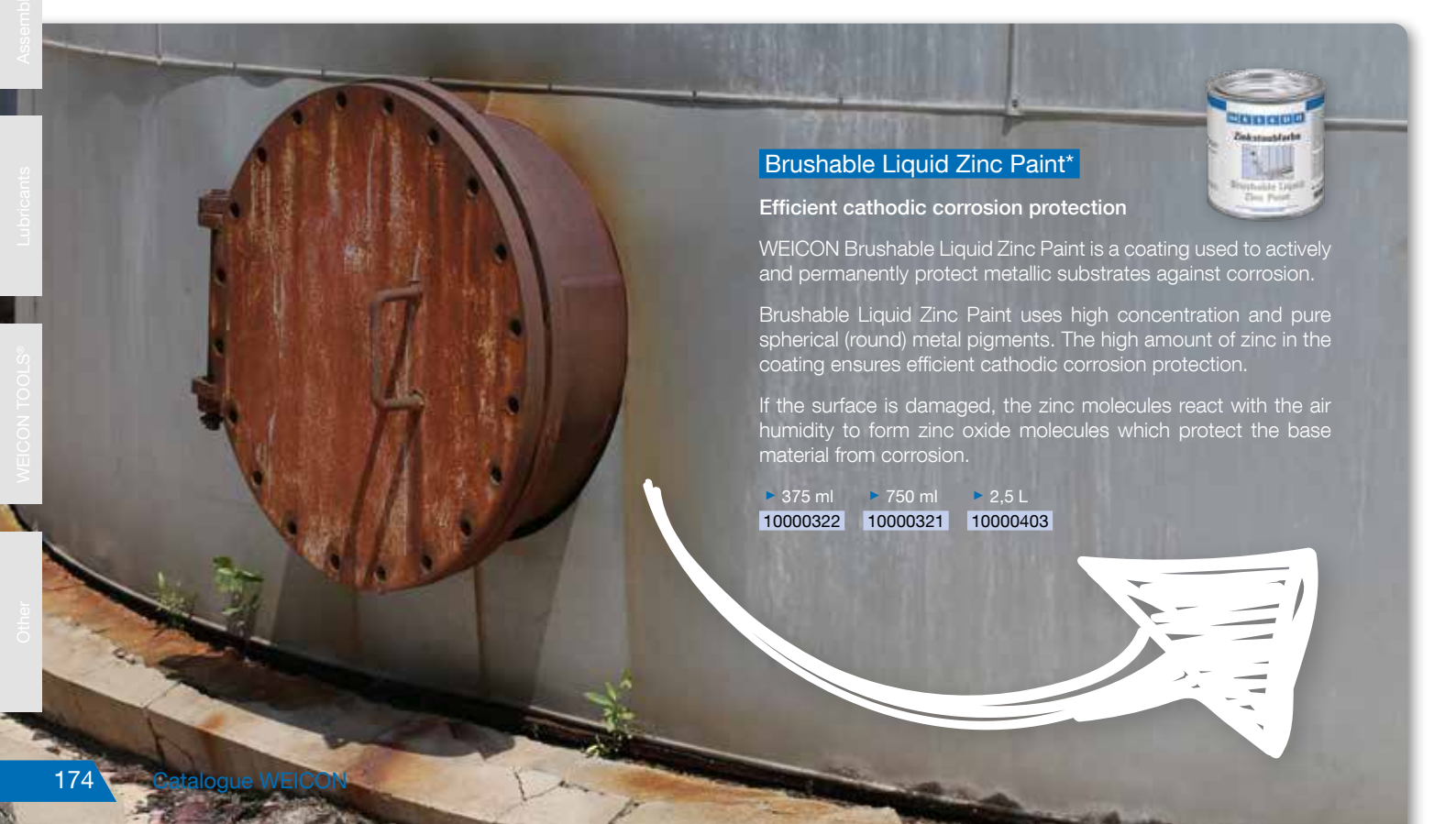
WEICON Brushable Liquid Zinc Coating provides active protection against corrosion for all metallic surfaces and is available in a colour shade matching the galvanization.

With Brushable Liquid Zinc Coating, flaky metal pigments settle parallel to the surface in several, spatially displaced layers on the substrate (shingle effect). This protects the surface longer from penetrating moisture. Optimal corrosion protection is achieved in connection with the simultaneous electro-chemical effect.

- ▶ 375 ml    ▶ 750 ml    ▶ 2,5 L
- 10000327    10000328    10000404



VIDEO



**Brushable Liquid Zinc Paint\***

**Efficient cathodic corrosion protection**

WEICON Brushable Liquid Zinc Paint is a coating used to actively and permanently protect metallic substrates against corrosion.

Brushable Liquid Zinc Paint uses high concentration and pure spherical (round) metal pigments. The high amount of zinc in the coating ensures efficient cathodic corrosion protection.

If the surface is damaged, the zinc molecules react with the air humidity to form zinc oxide molecules which protect the base material from corrosion.

- ▶ 375 ml    ▶ 750 ml    ▶ 2,5 L
- 10000322    10000321    10000403





# Surface and Anti-Corrosion Coatings

## Corro-Protection

Corrosion protection for indoor storage and overseas shipment of metals

WEICON protective film approved by the German TÜV. It lastingly preserves tools and precision components with a dry and waxy layer.

WEICON Corro Protection can be used as safe corrosion protection for bare, unpainted metal parts, for the indoor storage of work pieces, as corrosion protection during overseas transport and for the conservation of tools and precision components. The protective layer can be removed easily (e.g. with WEICON Cleaner S).



- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10007619    10000787    10000788    10053503



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



VIDEO



\* Not to spray with WSD 400 and WPS 1500. Just for application with paint brush / paint roller.



**Surface Cleaner**

**Pre-treatment of bonding surfaces**

WEICON Surface Cleaner is used for the cleaning and degreasing of surfaces to be joined or sealed with WEICON Adhesives and Sealants. Surface Cleaner can be applied to materials like metal, glass, ceramics and most plastics.

WEICON Surface Cleaner can be used, for example, to clean and degrease machine components in the course of maintenance work.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10025301   10025288   10025292   10053467



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

**Electro Contact Cleaner**

**Cleans and degreases electronic or mechanical components**

WEICON Electro Contact Cleaner is a special cleaner for the fast and effective cleaning and degreasing of all kinds of soiled or corroded contacts.

WEICON Electro Contact Cleaner was specially developed for the cleaning of electrical and mechanical components. The special formula with high-purity solvents removes oxide/ sulphide layers, combustion residues and resinous or sooty soiling. WEICON Electro Contact Cleaner reduces voltage loss and increases electric conductivity.

Contamination that can cause tracking current is removed. It can be used on electrotechnical or mechanical components such as electrical machines, measuring instruments, tools, balances, switches and sensors or electrical connections, contacts, relays and switchboards.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10029981   10029983   10029985   10053473



**Mould Cleaner**

**Cleaner on the basis of highly active organic solvents**

WEICON Mould Cleaner is a special cleaner based on highly active organic solvents. It effectively removes waxes, silicones, oils, non-cured PUR residues and other impurities from plastic, steel or aluminium moulds.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10037688   10025839   10025840   10053459



**Cleaner M**

**Classified as non-hazardous | fast-drying | non-flammable**

WEICON Cleaner M cleans and degreases all metals, plastics, rubber, glass, ceramic, wood, or painted and coated surfaces. It is powerful and precise in cleaning grease, oil, resin, soot, wax, release agents, forming substances, cooling lubricants as well as label and adhesive residues.

Cleaner M is ready to use, fast-drying, non-flammable and classified as non-hazardous. The cleaner is easy and safe to use. It can be used, for example, to clean and degrease machine components and tools. Its special formula consisting of special surfactants and alcohols does not contain any silicone defoamers, is non-greasy and therefore contributes significantly to the process-safe cleaning of components in production processes.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10059076   10060671   10058236   10060673





# Technical Liquids Cleaners and Degreasers



## Fast Cleaner



**Cleaning and degreasing agent for sensitive areas**

The Fast Cleaner has an NSF registration for the foodstuffs sector and can therefore be used as a cleaner and degreasing agent for the removal of contamination generated within the scope of maintenance work and for the removal of noncured adhesive residues in the foodstuffs and beverages industry and in the pharmaceutical and cosmetic industries.

Fast Cleaner is used to clean and degrease surfaces which are bonded or sealed using WEICON adhesives and sealants, or which should be coated using WEICON metal sprays.

Fast Cleaner is pH-neutral and materialcompatible, and can be used on many different materials such as metals, glass, ceramics and most rubbers and plastics. Due to its special formula and the resulting NSF registration, the Fast Cleaner can contribute towards improvements in occupational safety and health protection.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10048254    10047373    10047376    10053477



## Cleaner S\*

**Degreases and cleans all metals, glass, ceramics and most plastics**

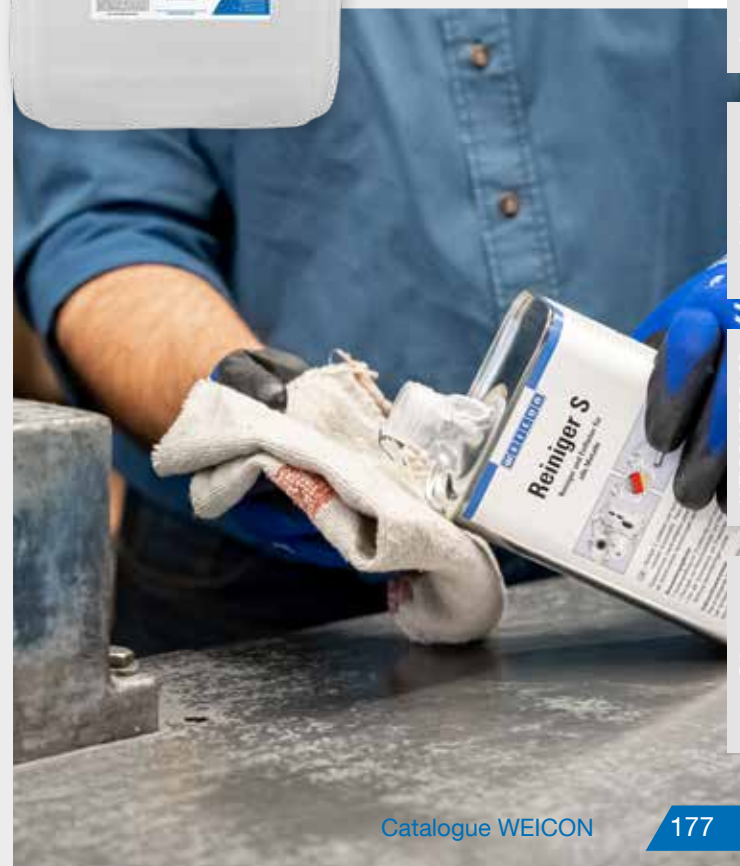
WEICON Cleaner S cleans, degreases and evaporates without leaving residues.

It can be used on all metals, glass, and ceramics, and on most plastics, and thermoplastics such as PVC, PMMA (acrylic glass), polystyrene etc. WEICON Cleaner S can be used for cleaning and degreasing before priming and painting, for cleaning machine parts or before other WEICON products are applied on surfaces where a greasy underground would impair their effect.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10007611    10000347    10000348    10053455



\* Not to spray with WPS 1500.



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



**Brake Cleaner\***

**Multi-purpose cleaner, especially for the automotive sector**

WEICON Brake Cleaner is a universal cleaner for the automotive industry, which cleans, degreases and evaporates without leaving residues.

WEICON Brake Cleaner quickly and effortlessly degreases and cleans metals, glass and many plastics. It removes oily and greasy impurities and residues.

Brake Cleaner can be used on brakes (drum and disc brakes, brake pads, brake blocks, cylinders, springs and bushings), clutches (clutch linings and components) and on engine parts (carburettors, fuel and oil pumps, gears etc.).

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10007612    10000352    10000353    10053457



\* Not to spray with WPS 1500.

**Brake Cleaner AF NEW**

**Universal cleaner for the automotive sector | acetone-free**

WEICON Brake Cleaner AF is an acetone-free universal cleaner for the automotive sector. The liquid agent cleans, degreases and evaporates completely without residue.

Brake Cleaner AF quickly and effortlessly degreases and cleans metals, glass, rubber materials, powder-coated surfaces and many plastics and reliably removes oil and grease soiling and residues.

The cleaner can be used on brakes (drum and disc brakes, linings, brake pads, cylinders, springs and bushes), clutches (clutch linings and parts) or engine parts (carburettors, petrol and oil pumps, gearboxes, etc.). However, it is also suitable for cleaning plastic profiles, seals or painted surfaces and can be used in many areas of industry and trade.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10101764    10101766    10101768    10101770



**Plastic Cleaner**

**Degreases and cleans sensitive surfaces**

WEICON Plastic-Cleaner cleans, degreases and evaporates without leaving residues. It can be used to clean and degrease sensitive surfaces such as plastics\*, rubber materials or powdercoated metal parts.

Plastic-Cleaner can be used, for example, on window frames, roller blinds, plastic profiles, seals or lacquered flanges in many industrial applications.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10019559    10019356    10019357    10053461

\*Before use, check surface compatibility





# Cleaners and Degreasers

## Workshop Cleaner

Free of solvents and phosphate | bio-degradable

Workshop Cleaner cleans and degreases all metals, plastics, types of rubber, glass, ceramics and wood. It removes grease, oil, resin, rust, wax, nicotine, insect dirt, bitumen and tar specks.

Workshop Cleaner is free of solvent, emulsifier and phosphate compatible with oil separators (ÖNORM B 5105) and, in accordance with EC-guidelines, biodegradable. It is highly concentrated and can be diluted to the proportion 1:40 (max.).

Workshop Cleaner contains selected foamless tensides and, in addition to manual cleaning, can be used in high-pressure cleaners, part washing machines and spray apparatuses (e.g. Pump Dispenser WPS 1500).



- ▶ 500 ml\*   ▶ 1 L   ▶ 5 L   ▶ 10 L   ▶ 28 L
- 10016977   10028258   10016800   10016798   10053463

\* Can only be applied with the WPS 1500

Recommended application concentration

|  | undiluted | 1:10 | 1:20 | 1:30 | 1:40 |
|--|-----------|------|------|------|------|
| Aluminium parts                        |           |      |      |      | •    |
| Inspection pits                        |           | •    |      |      |      |
| Grease, soot, bitumen and tar splashes | •         |      |      |      |      |
| Chromium, stainless steel and plastic  |           |      |      | •    |      |
| Diesel residue                         | •         |      |      |      |      |
| Insect dirt                            |           | •    |      |      |      |
| Industrial floors, forklift trucks     |           |      |      | •    |      |
| Hard floors                            |           | •    |      |      |      |
| Lorries (also tarred canvases)         |           | •    |      |      |      |
| Machines, engines, oil/oil residues    |           | •    |      |      |      |
| Repair parts                           |           |      |      |      | •    |
| Steel degreasing                       |           |      | •    |      |      |
| Workshop equipment                     |           |      |      | •    |      |
| Machine tools                          |           |      |      | •    |      |

## Citrus Cleaner



proven effect according to DIN EN 1276 and 1650

Cleaner and degreaser on the basis of citrus essences

WEICON Citrus Cleaner is an all-purpose cleaning agent based on alcohol and citrus peel extracts. Due to its high isopropyl alcohol content of over 75%, WEICON Citrus Cleaner makes use of its disinfectant effect, and thus supports the overall cleaning and disinfection of surfaces. It can be used for all purposes and is equally suited for use in industrial applications, skilled trades, window construction, in public institutions and public transport, in construction companies, and in housekeeping. It cleans a wide range of materials, such as metals and plastics, glass, and ceramic as well as painted and coated surfaces\*.

WEICON Citrus Cleaner is also highly effective and efficient in basic hygiene and supporting additional hygiene measures, in cleaning frequently used hand tools, and in removing stains due to pencils, pens, and markers.

- ▶ 1 L   ▶ 5 L   ▶ 10 L   ▶ 28 L
- 10031802   10033568   10033570   10053469

\* For safety reasons, the material compatibility should first be checked on a nonvisible area.



# Protection and Care



## Stainless Steel Care

### Antistatic effect

Stainless Steel Care was specially formulated for the cleaning, protection and care of matt and polished stainless steel surfaces both indoors and outdoors and has an antistatic effect.

WEICON Stainless Steel Care removes and prevents fingerprints, removes lubricating films e.g. from fume hoods, cleans even large surfaces without leaving streaks, and provides a long-lasting protective film which repels water and prevents new dirt from clinging. The product can be used in many applications.

- ▶ 1 L      ▶ 5 L      ▶ 10 L      ▶ 28 L
- 10013812    10013730    10013731    10053512



### WEICON Pump Dispenser

For approx. 500 ml solvent- and mineral oil-free WEICON Technical Liquids.

10000401

## Metal-Fluid

### Universal use; clean | maintain | protect

WEICON Metal-Fluid is a care and cleaning product for indoor matt and polished surfaces and has an NSF registration.

Metal-Fluid protects, cleans and maintains both metal surfaces and ceramics, wood, glass and plastics. It does not dissolve etched and printed markings or plastic surfaces and rubber seals.

- ▶ 100 ml    ▶ 500 ml    ▶ 1 L    ▶ 5 L    ▶ 10 L    ▶ 28 L
- 10017352    10028117    10033119    10016345    10016352    10053506



Nonfood Compounds  
Program Listed A7;C1  
Registration 135125



### WEICON Pump Dispenser "Special"

For approx. 500 ml WEICON Cleaner S, Brake Cleaner and Rust Loosener.

10000402

Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



# Release Agents

## Mould Release Agent

### Silicone-free sliding and release agent

The high-grade combination of active ingredients, consisting of pure natural products, has a high sliding effect which prevents its adhesion to plastics, moulds, metals and tools.

WEICON Mould Release Agent can be used in plastic processing and for spraying, pressing, and vacuum deforming.

- ▶ 1 L      ▶ 5 L
- 10007616    10000363
- ▶ 10 L     ▶ 28 L
- 10000364    10053498



## Bio Welding Protection

### Silicone-free

WEICON Bio Welding Protection provides temporary corrosion protection. It contains no chlorinated hydrocarbons, other solvents or silicones.

Bio Welding Protection is based on hazel nut and sunflower extracts and is biodegradable in accordance with EC Directives.

WEICON Bio Welding Protection prevents the adhesion of weld spatter to gas nozzles and work-piece surfaces without affecting the quality of the weld seam.

- ▶ 1 L      ▶ 5 L
- 10000351    10000337
- ▶ 10 L     ▶ 28 L
- 10000338    10053449



## Label Remover

### Simple and fast

WEICON Label Remover quickly and easily removes paper labels and residues of acrylate and caoutchouc-based pressure-sensitive adhesives.

Label Remover is suitable for many surfaces such as glass, metal, wood, foil and plastic. WEICON Label Remover easily and safely removes adhesive labels, price tags (e.g. incorrect labels), address and product stickers, identification labels, and label residues. It also removes adhesive residues from foil labels such as vignettes on car windshields.

- ▶ 1 L      ▶ 5 L
- 10019556    10019359
- ▶ 10 L     ▶ 28 L
- 10019362    10053465





### W 44 T®

#### Multifunctional oil with multiple effects

W 44 T® is a multifunctional product which, thanks to its special formula and outstanding capillary action, combines corrosion protection, water repellency, lubrication, conservation and cleaning in a single product.

W 44 T® loosens seized threads, bolts, fittings and valves, penetrates and dissolves rust, dispels moisture from electrical contacts, prevents tracking currents and makes it easier to start wet motors. W 44 T® can also be used as cutting oil for drilling and cutting processes. It eliminates squeaky and creaky noises on hinges, guides, bearings and all types of joints and couplings. It cleans soiled metal surfaces and leaves a long-lasting, razor-thin film which does not smear or stick and does not attract dust.

It protects and preserves all types of tools, machines, and electrical and mechanical precision devices and keeps them functional. The use of WEICON W 44 T® has almost no limitations in workshop, automotive, shipping, electrical, agricultural, household and hobby applications.

- ▶ 1 L    ▶ 5 L    ▶ 10 L    ▶ 28 L
- 10011715    10007793    10011348    10053483

### AT-44

#### With PTFE super power | silicone-free

Thanks to its special formula and very low friction coefficient, WEICON AT-44 combines corrosion protection, cleaning, water repellency, lubrication and conservation in a single product.

WEICON AT-44 loosens seized threads, bolts, fittings and valves, dispels moisture from electrical cables, prevents tracking currents and makes it easier to start wet motors. It eliminates squeaky and creaky noises on hinges, guides, bearings and all types of joints and couplings.

It cleans soiled surfaces and leaves a razor-thin film which does not smear or stick and does not attract dust. It protects and preserves all

types of tools, machines, and electrical and mechanical precision devices and keeps them functional. The use of AT 44 has almost no limitations in workshop, automotive, shipping, electrical, agricultural, household and hobby applications.

- ▶ 1 L    ▶ 5 L    ▶ 10 L    ▶ 28 L
- 10007614    10000356    10000357    10053479





# Lubricating and Multifunctional Oils

## Bio-Fluid



### High-purity mineral oil

WEICON Bio-Fluid is a medically pure white oil containing no resins or acids which was specially developed for lubrication and care.

It is water-clear, free of solvents, odourless and tasteless, and water-repellent. It shows excellent capillary action and has an NSF registration.

It reduces friction and wear, suppresses squeaky noises, protects against corrosion and removes dirt and rust. Bio-Fluid can be used for the lubrication, protection and care of precision mechanisms, as a spray oil for production and filling plants, and as a lubricant for filling and packaging systems. It can be used wherever occasional, technically unavoidable contact with food or its packaging can occur.



|          |          |          |          |
|----------|----------|----------|----------|
| ▶ 1 L    | ▶ 5 L    | ▶ 10 L   | ▶ 28 L   |
| 10007622 | 10007622 | 10000366 | 10053514 |

## Silicone

### Sliding and release agent

WEICON Silicone is a sliding and release agent as well as a preservative and care product for plastic, rubber and metal.

WEICON Silicone provides a durable separating film and good surface properties. It prevents the development of adhesive residue in presses and guides, the adhesion of goods on conveyor belts, chutes and slides. WEICON Silicone protects electrical contacts from moisture, maintains rubber, plastic and metal parts, protects rubber parts from becoming brittle, from freezing and sticking and allows sunroof rails, seat tracks and seatbelts to run smoothly.



|          |          |          |          |
|----------|----------|----------|----------|
| ▶ 1 L    | ▶ 5 L    | ▶ 10 L   | ▶ 28 L   |
| 10006760 | 10000360 | 10000361 | 10053488 |

\* Not to spray with WSD 400 and WPS 1500. Just for application with paint brush / paint roller.



## Bio-Cut\*

### Cutting oil for all steel grades

WEICON Bio-Cut is free of mineral oils and biodegradable. Thanks to its particularly high lubricating effect, it enables higher cutting speeds, a longer service life and thus higher performance of cutting tools.

WEICON Bio-Cut can be used for drilling, grinding, milling, grating, sawing, punching and reaming of all kinds of steel, cast iron, stainless steels, copper, brass, aluminium and their alloys in all areas of industry.

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| ▶ 250 ml | ▶ 1 L    | ▶ 5 L    | ▶ 10 L   | ▶ 28 L   |
| 10011167 | 10000394 | 10000368 | 10000369 | 10053516 |



## Pneuma-Lube

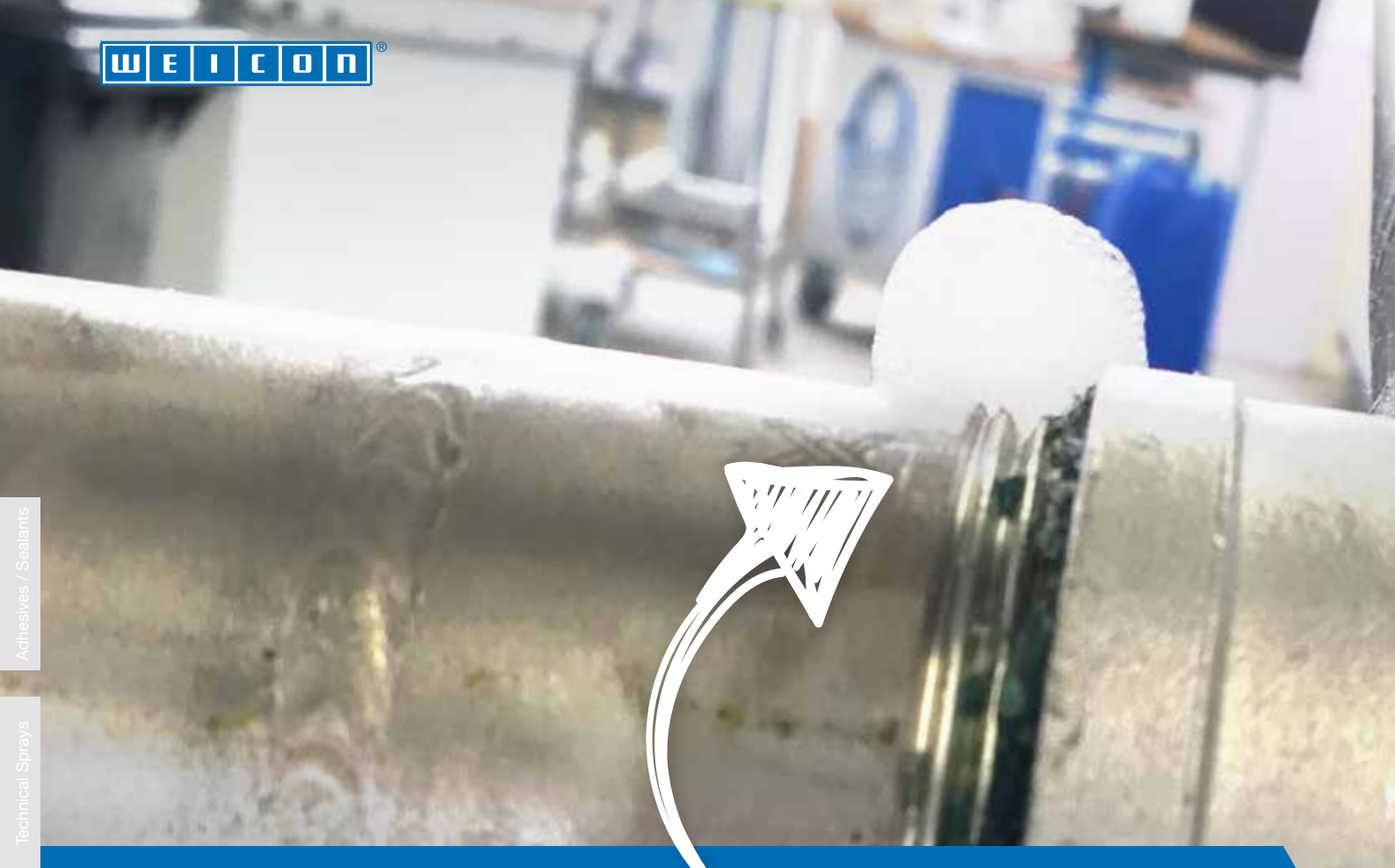
### Lubricant | corrosion protection | high content of PTFE

As a lubricating and corrosion protection agent, this product is the universal problem-solver for all moving parts in pneumatic equipment and accessories. Its special product formula with a high content of PTFE makes it a multi-purpose product for: lubrication, corrosion protection, cleaning, water displacing and conservation.

Pneuma-Lube not only serves in installation or maintenance of pneumatic equipment and accessories but also can be used on pneumatic tools in operation. The excellent weathering resistance allows the use also in other sectors, e.g. in the on- and offshore industry. The temperature resistance of the spray ranges from -50°C to +210°C (-58°F to 410°F).

|          |          |          |          |
|----------|----------|----------|----------|
| ▶ 1 L    | ▶ 5 L    | ▶ 10 L   | ▶ 28 L   |
| 10011816 | 10010554 | 10010555 | 10053485 |





**Leak Detector**



DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | non-corrosive

The agent is used for the fast, convenient and reliable location of leaks (cracks or porous spots) in pressurized pipes.

WEICON Leak Detector does not form any hazardous compounds with carbon dioxide (CO<sub>2</sub>), propane, butane, acetylene, oxygen, city or natural gases.

WEICON Leak Detector can be used wherever compressed air, natural or liquid gas is processed, and wherever leaky points can occur on fittings, threaded joints, and connections. It greatly contributes to the safety of pneumatic brakes and gas lines.

- ▶ 1 L    ▶ 5 L    ▶ 10 L    ▶ 28 L
- 10007597    10002065    10002066    10053490



**Leak Detector frost-proof**



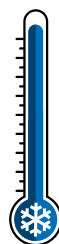
DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | non-corrosive | frost-proof up to -15°C (+ 5°F)

The safe, easy and quick way to find leaks or porous spots on gas pipes. Leak Detector frostproof does not form any harmful compounds with these gases: carbon dioxide (CO<sub>2</sub>), propane, butane, acetylene, oxygen, coal and natural gas, nitrogen, dinitrogen monoxide (N<sub>2</sub>O) and CFC and is non-flammable.

Leak Detector frost-proof is suitable wherever compressed air or gaseous substances are being used.

For example, it can be used on pipes, hoses, fittings, screw connections, valves and adapters.

- ▶ 1 L    ▶ 5 L    ▶ 10 L    ▶ 28 L
- 10051092    10051093    10051095    10053497



**-15 °C**  
**(+5 °F)**

**Leak Detector viscous**



DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | non-corrosive | non-drip

WEICON Leak Detector viscous is the quick, easy and reliable way to find leaks in gas and compressed air pipes and fittings. The liquid does not form harmful compounds with the following gases: carbon dioxide (CO<sub>2</sub>), propane, butane, acetylene, oxygen, coal and natural gas, nitrogen, dinitrogen monoxide (N<sub>2</sub>O) and CFC and it is non-flammable.

Leak detector is applicable wherever compressed air or gaseous substances are being used. Typical application areas for the spray are pipes, hoses, fittings, screw connections, valves and adapters.

- ▶ 1 L    ▶ 5 L    ▶ 10 L    ▶ 28 L
- 10051105    10051106    10051108    10053493





# Technical Liquids

## WSD 400 Pressurized-Air Spray Can

WSD 400 is a refillable spray for the application of most WEICON Technical Liquids.

The can is fillable with compressed air via an adapter (accessories) from the compressed-air ductwork system (optimum working pressure 7,5 bar).

The following accessories for WSD 400 are available:

- ▶ Adapter for filling from every compressed air system
- ▶ Valve set with four different valves and ball valve with intake pipe



Pressurized-Air Spray Can WSD 400

10009301

Spray-valve set of 4 pieces

10009303

Adapter

10000393



VIDEO



## Pump Dispenser WPS 1500

WPS 1500 is a refillable pump dispenser in which many WEICON Technical Liquids can be used. The building-up pressure in the fluid container is achieved by pumping pure air with the pump rod. An integrated security valve opens automatically as soon as the allowed pressure (max. 4 bar) has been exceeded.

Activation of the spray button is enough to achieve steady, uniform fluid emission. By turning the nozzle screw, the rate at which the spray is emitted and the sprayed amount can be smoothly regulated, from strong spray jet to fine spray mist.

The following accessories for WPS 1500 are available:

- ▶ 30 cm plastic extension with 0.8 mm diameter nozzle
- ▶ Sealing sets

Pump Dispenser WPS 1500

10016002

Refillable plastic sprayer with special seals for approx. 1,300 ml Technical Liquid.

Seal set Viton for Pump Dispenser WPS 1500

10023969

Extension piece 30cm with nozzle

10016213



|                       | WSD 400                                      | WPS 1500   |
|-----------------------|--|--|
| Container volume:     | 600 ml                                       | 1500 ml  |
| Max. filling amount:  | 400 ml                                       | 1300 ml  |
| Working pressure:     | 5 - 10 bar                                   | 4 bar  |
| Explosion limit:      | 42 bar                                       | ---  |
| Deformation pressure: | 26 - 27 bar                                  | ---  |
| Material:             | Container and spray nozzle made of aluminium | Container made of non-breakable polyethylene; spray nozzle and devices made of polypropylene, fibre optic strengthened polyamide and stainless steel |



## Technical Data

|  | Brushable Liquid Zinc Paint         | Brushable Liquid Zinc Coating           | Aluminium Paint  |
|--|-------------------------------------|---|--|
| Colour shade / level of brilliance:  | zinc-grey / matt                    | matching hot-dip galvanizations         | aluminium / metallic shine   |
| Binding agents:  | epoxy resin ester                   | alkyd resin                             | alkyd combination  |
| Pigment:   | zinc pigments (D50 4 µm)            | zinc and aluminium pigments (D50 25 µm) | aluminium pigments (D50 16 µm)   |
| Pigment purity:  | approx. 98.5 %                      | approx. AL 99.5 % and ZN 99.9 %         | approx. 99.5 %   |
| Specific weight:   | 2.00 g/cm <sup>3</sup>              | 1.25 g/cm <sup>3</sup>                  | 1.00 g/cm <sup>3</sup>   |
| Percentage of metal in the dry film:   | approx. 60.5 %                      | approx. 58.5 %                          | approx. 32.0 %   |
| Viscosity* (DIN EN ISO 2431) / Consistency:  | approx. 70 s 4 mm / stretchable     | approx. 70 s 4 mm / stretchable         | approx. 120 s 4 mm / stretchable   |
| Processing temperature:  | +18 °C to +30 °C (+64 °C to +86 °F) | +18 °C to +30 °C (+64 °C to +86 °F)     | +18 °C to +30 °C (+64 °C to +86 °F)  |
| Consumption:   | approx. 120 ml/m <sup>2</sup>       | approx. 120 ml/m <sup>2</sup>           | approx. 150 ml/m <sup>2</sup>  |
| Spray consistency:   | 10 - 20 % universal thinning        | 10 - 20 % universal thinning            | 10 - 20 % universal thinning   |
| Drying time (dust dry):  | 30 minutes                          | 60 minutes                              | 60 minutes   |
| Hardened*:   | 12 hours                            | 12 hours                                | 12 hours   |
| Recoatible / can be reprimed*:   | 12 hours                            | 12 hours                                | 12 hours   |
| Final hardness*:   | 48 hours                            | 48 hours                                | 48 hours   |
| Minimum layer thickness (ISO 2409):  | 50 µm                               | 30 µm                                   | 20 µm  |
| Cross-cut test (DIN 53151/ISO 2409):   | characteristic value GT 0 to GT 1   | characteristic value GT 0 to GT 1       | characteristic value GT 0 to GT 1  |
| Salt spray test (DIN EN ISO 9227)  | 400 hours                           | 200 hours                               | 100 hours  |
| Mandrel bending test, mandrel 5 mm (DIN EN ISO 1519):  | no formation of hairline cracks     | no formation of hairline cracks         | no formation of hairline cracks  |
| Temperature resistance after reaching the final hardness:  | approx. +400 °C (+752 °F)           | approx. +240 °C (+464 °F)               | approx. +300 °C (+572 °F)<br>(from +100 °C (+212 °F), slight discolourations are possible) |
| Primer:  | not necessary                       | not necessary                           | WEICON Brushable Zinc Paint / Brushable Zinc Coating                                       |
| Shelf life**:  | 12 months                           | 12 months                               | 12 months  |
| Available in:  | 375 ml and 750 ml can               | 375 ml and 750 ml can                   | 375 ml and 750 ml can  |
| Classification in accordance with Directive 2004/42 EC category 'A/i' single component special paints: | < 500 g/l VOC                       | < 500 g/l VOC                           | < 500 g/l VOC  |

\* +20°C (+68°F) can / surface temperature and 50% relative humidity.

\*\* With a constant room temperature and storage in a dry place. This applies to closed original containers which are not exposed to direct and/or indirect sunlight.



# Technical Liquids

## Technical Data

|                                  | Colour     | Odour            | Temperature resistance           | Shelf life min. (months)* | Special features  | Suitable for use with   |
|----------------------------------|------------|------------------|----------------------------------|---------------------------|---|---|
| <b>AT-44</b>                     | yellowish  | vanilla          | -50°C (-58°F) to +210°C (+410°F) | 24                        | high-performance lubricating oil - with PTFE                                    | WSD 400 and WPS 1500  |
| <b>Bio Welding Protection</b>    | milky      | almost odourless | +5°C (+41°F) to +90°C (+194°F)   | 24                        | non-flammable, silicone-free  | WSD 400 and WPS 1500  |
| <b>Bio-Cut</b>                   | colourless | almost odourless | to +200°C (+392°F)               | 24                        | mineral oil-free, easily biodegradable  | WSD 1500  |
| <b>Bio-Fluid</b>                 | colourless | almost odourless | -25°C (-13°F) to +120°C (+248°F) | 24                        | meets requirements of DAB 10, USDA H1, FDA regulations, FDA positive list       | WSD 1500  |
| <b>Brake Cleaner</b>             | colourless | citrus           | ---                              | 24                        | evaporates without leaving residues   | WSD 400 and Pump Dispenser "special"  |
| <b>Brake Cleaner AF</b>          | colourless | citrus           | ---                              | 24                        | acetone-free, universal cleaner for the automotive sector                       | WSD 400 and WPS 1500  |
| <b>Citrus Cleaner</b>            | colourless | citrus           | ---                              | 24                        | pH-neutral, evaporates without leaving residues                                 | WSD 400, WPS 1500 and Pump Dispenser "special"                                |
| <b>Cleaner M</b>                 | colourless | almost odourless | ---                              | 24                        | classified as non-hazardous   fast-drying   non-flammable                       | WSD 400, WPS 1500 and Pump Dispenser  |
| <b>Cleaner S</b>                 | colourless | orange           | ---                              | 24                        | evaporates without residues   | WSD 400 and Pump Dispenser "special"  |
| <b>Corro-Protection</b>          | colourless | solvent          | -20°C (-4°F) to +80°C (+176°F)   | 24                        | TÜV-tested, wax-based   | WSD 400 and WPS 1500<br>(The material must be stirred thoroughly before use.) |
| <b>Electro Contact Cleaner</b>   | colourless | almost odourless | ---                              | 24                        | evaporates without residues   | WSD 400 and WPS 1500  |
| <b>Fast Cleaner</b>              | colourless | solvent          | -10°C to +50°C (+14°F to +122°F) | 24                        | NSF-A1 approval   | WSD 400 and WPS 1500  |
| <b>Label Remover</b>             | colourless | citrus           | ---                              | 24                        | removes paper and foil labels   | WSD 400 and WPS 1500  |
| <b>Leak Detector</b>             | milky      | almost odourless | 0°C (+32°F) to +50°C (+122°F)    | 24                        | approved for gas piping by German DVGW, suitable for oxygen and CO <sub>2</sub> | WSD 400 and WPS 1500  |
| <b>Leak Detector frost-proof</b> | colourless | almost odourless | -15°C (+5°F) to +40°C (+104°F)   | 24                        | DVGW approved, suitable for oxygen and CO <sub>2</sub> , frost-proof            | WSD 400 and WPS 1500  |
| <b>Leak Detector viscous</b>     | milky      | almost odourless | 0°C (+32°F) to +50°C (+122°F)    | 24                        | suitable for oxygen and CO <sub>2</sub>   | WSD 400 and WPS 1500  |
| <b>Metal-Fluid</b>               | milky      | almost odourless | -10°C (+14°F) to +150°C (+302°F) | 24                        | antistatic effect, especially for indoor use                                    | Pump Dispenser, WSD 400 and WPS 1500  |
| <b>Mould Cleaner</b>             | colourless | citrus           | ---                              | 24                        | evaporates without residues   | WSD 400 and WPS 1500  |
| <b>Mould Release Agent</b>       | colourless | solvent          | -20°C (-4°F) to +130°C (+266°F)  | 24                        | silicone-free   | Pump Dispenser, WSD 400 and WPS 1500  |
| <b>Plastic Cleaner</b>           | colourless | citrus           | ---                              | 24                        | for sensitive plastic surfaces  | WSD 400 and WPS 1500  |
| <b>Pneuma-Lube</b>               | yellowish  | vanilla          | -50°C (-58°F) to +210°C (+410°F) | 24                        | high-performance lubricating oil - with PTFE                                    | WSD 400 and WPS 1500  |
| <b>Rust Converter</b>            | milky      | almost odourless | -30°C (-22°F) to +80°C (+176°F)  | 24                        | rust converter and base coat in one process                                     | ---   |
| <b>Rust Loosener</b>             | beige      | petroleum        | -20°C (-4°F) to +150°C (+302°F)  | 24                        | sixfold function  | WSD 400, WPS 1500 and Pump Dispenser "special"                                |
| <b>Rust Remover liquid</b>       | yellowish  | almost odourless | ---                              | 24                        | dip, suitable for ultrasonic baths, can be reused several times                 | ---   |
| <b>Rust Remover Gel</b>          | blue       | almost odourless | ---                              | 24                        | high reaction speed, penetrates very well                                       | ---   |
| <b>Silicone</b>                  | colourless | solvent          | -50°C (-58°F) to +250°C (+482°F) | 24                        | silicone oil  | WSD 400 and WPS 1500  |
| <b>Stainless Steel Care</b>      | colourless | solvent          | -20°C (-4°F) to +130°C (+266°F)  | 24                        | antistatic effect, especially for outdoor use                                   | WSD 400 and WPS 1500  |
| <b>Surface Cleaner</b>           | colourless | citrus           | ---                              | 24                        | evaporates without residues   | WSD 400 and WPS 1500  |
| <b>W 44 T®</b>                   | yellowish  | vanilla          | -50°C (-58°F) to +210°C (+410°F) | 24                        | multi-function oil - with multiple effects                                      | Pump Dispenser, WSD 400 and WPS 1500  |
| <b>Workshop Cleaner</b>          | blue       | almost odourless | +5°C (+41°F) to +90°C (+194°F)   | 24                        | solvent-free, oil removal accommodating, biodegradable                          | WPS 1500  |

\* With a constant room temperature of +20°C (+68°F) and storage in a dry place. This applies to closed original containers which are not exposed to direct and/or indirect sunlight.

| Product                  | Page |
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**WEICON**

**Anti-Seize High-Tech**

Montage-Paste / Assembly Paste



NSF International  
Commodity  
Program - listed #11  
Registration: SA1806



ASW 450 · Farbe/Colour: weiß/white  
-40°C – +1.400°C (-40°F – +2.552°F)

Art.-No.  
26100045



**WEICON**

**Anti-Seize Montage-Paste**

AS 450 · Farbe: anthrazit · -180°C bis +1.200°C



**Anti-Seize Assembly Paste**

AS 450 · Colour: anthracite · -292°F to +2.192°F

www.weicon.com

Art.-No.  
2600004



All kinds of influencing factors, such as moisture and friction, lead to damage due to corrosion, seizure, and wear on machines and installations. Extensive repair and maintenance work at considerable cost are the result.

Especially under critical conditions of application, such as:

- ▶ high operation temperatures
- ▶ high pressure loads
- ▶ outdoor weather conditions

WEICON Anti-Seize assembly pastes are specially developed for these requirements. They are used as protecting and separating agents as well as lubricants for highly stressed parts, especially at high temperatures.

Optimally balanced solids contents as well as selected additives permit a wide range of applications, especially in this area.

Conventional separating agents or lubricants such as mineral oils and greases often cannot provide sufficient lubrication and protection in difficult industrial environments.

Conventional separating agents or lubricants such as mineral oils and greases often cannot provide sufficient lubrication and protection in difficult industrial environments.

The basic components in WEICON Anti-Seize are made of synthetic oils, which have a considerably lower sulphur content than products containing mineral oil. A residue-free vaporisation of the oil at temperatures between +200°C (+392°F) and +250°C (+482°F) is thus possible.

This is particularly important in the case of stainless steels (e.g. for VA material) to prevent stress-corrosion cracking. The safe protection of work pieces and structures made of steel and other metals is thus absolutely necessary for the rational and economic operation of technical installations.

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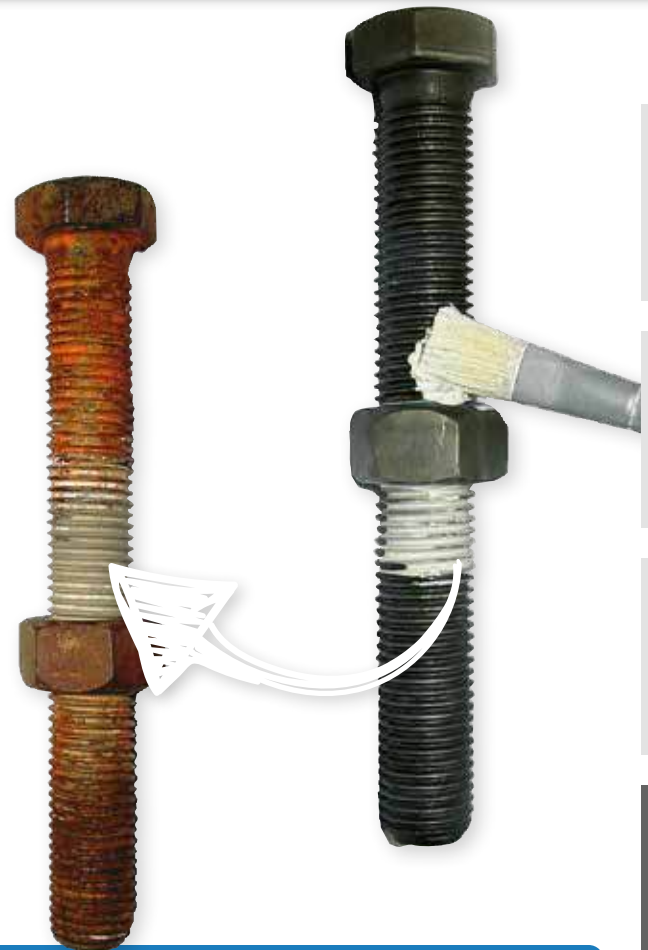
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Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other



Anti-Seize

# Assembly Pastes



Due to the special formulation and the very fine grinding of the solids contained in WEICON Anti-Seize, irregularities in the protected surface are completely filled – even to a layer thickness of only 12 µm. Only a perfectly sealed surface guarantees a reliable protection against corrosion. An additional sealing effect thus results for special applications, such as flange connections.

WEICON Anti-Seize provides protection against the following:

- ▶ corrosion – seizure – wear
- ▶ stick-slip phenomena
- ▶ oxidation and fretting corrosion
- ▶ electrolytic reactions (“cold welding”)

WEICON Anti-Seize is free of halogens, well-adherent and abrasion-proof, and resistant against hot, cold, and salt water. The extremely low friction coefficient also permits easy disassembly from machines and installations.

In addition, WEICON Anti-Seize assembly pastes are excellent lubricants for statically high-stressed parts and for slowly rotating installations, as long as corresponding relubrication intervals are observed.

With its dual function as a lubricant and corrosion protection agent, WEICON Anti-Seize thus becomes a rationalisation factor, both in terms of saving time and reducing costs.

WEICON Anti-Seize is used sparingly. At a layer thickness of 0.01 mm, 1 kg suffices to cover a surface area of approximately 45 m<sup>2</sup>. Four product variants are available for various areas of application:

Anti-Seize  
Anti-Seize High-Tech  
Copper Paste  
Anti-Seize Nickel  
Anti-Seize Ceramic Paste



## Anti-Seize

**Reliable protection against corrosion, seizing and cold welding**

WEICON Anti-Seize is used as a protecting, separating and lubricating agent for highly stressed parts. Ideally compatible solid contents and selected additives enable a wide range of usage.

Anti-Seize protects against corrosion, seizure and wear, stick-slip phenomena, oxidation, fretting corrosion and electrolytic reactions ("cold welding").

VIDEO



## Anti-Seize High-Tech



**metal-free**

Anti-Seize "High-Tech" is high-temperature-resistant, has excellent separating characteristics, is metal-free, neutral to materials and has an NSF registration.

Anti-Seize "High-Tech" is particularly suitable when metal-containing pastes can cause electrolytic reactions, when nickel-containing products should or may not be used due to health reasons and when dark metal-containing products should or may not be used for visual reasons.



## Anti-Seize Ceramic Paste

**High-performance assembly paste | compatible with stainless steel and other nickel alloys (no chromium-6 formation) | metal-free**

WEICON Anti-Seize Ceramic Paste is a metal- and silicone-free synthetic high-performance assembly paste for universal use. The ceramic paste is resistant to high temperatures, has an exceptionally good release effect and is suitable for any material. The paste contains no free metals and is compatible with stainless steel and other nickel alloys (no chromium-6 formation). The assembly paste is especially suitable when metal-containing pastes can cause electrolytic reactions, when nickel-containing products should or may not be used for health reasons and when dark metal-containing products should or may not be used for visual reasons.

WEICON Anti-Seize Ceramic Paste provides excellent release, protection and lubrication even at high temperatures and high pressure. The paste offers very good protection against corrosion, wear and extreme weather conditions. The assembly paste can be used on bolts, screws, stud bolts, pipe connections, nuts, mechanical seals, etc. Typical areas of application are chemical plants, oil refineries, power stations, paper mills, steelworks and foundries as well as the shipping industry.



Anti-Seize

# Assembly Pastes



|                       | Anti-Seize | Anti-Seize High Tech | Anti-Seize Ceramic Paste |
|-----------------------|------------|----------------------|--------------------------|
| ▶ 10 g Syringe        | 10000170   | -                    | -                        |
| ▶ 30 g Pen            | 10015175   | 10015179             | -                        |
| ▶ 120 g Brush top can | 10000172   | 10000193             | 10067867                 |
| ▶ 85 g Tube           | 10047467   | 10047469             | -                        |
| ▶ 200 ml Presspack    | 10025465   | -                    | -                        |
| ▶ 400 g Cartridge     | 10000173   | 10000195             | -                        |
| ▶ 450 g Can           | 10000175   | 10000196             | 10067869                 |
| ▶ 500 g Brush top can | 10028921   | 10030351             | -                        |
| ▶ 1.0 kg Can          | 10000177   | 10000197             | 10000208                 |
| ▶ 1.8 kg Bucket       | 10000178   | 10000199             | -                        |
| ▶ 5.0 kg Bucket       | 10000181   | 10000202             | -                        |
| ▶ 10.0 kg Bucket      | 10000182   | 10000204             | -                        |
| ▶ 20.0 kg Bucket      | 10000183   | 10000205             | -                        |
| ▶ 100 ml Spray        | 10000216   | -                    | -                        |
| ▶ 400 ml Spray        | 10000219   | 10000221             | -                        |





**Copper Paste**

**Protecting, separating and lubricating agent for highly stressed parts in high-temperature applications**

Copper Paste is corrosion-resistant and strong. It contains no sulphur, lead or nickel.

WEICON Copper Paste is used as an assembly lubricant for all kinds of threaded joints and sliding surfaces. It forms an effective lubricating and separating film which protects the functional surfaces on plug-in tools, wear bushings, screws, and all kinds of threaded, plug-in and bayonet joints against corrosion and seizing.

It can be used to reduce vibration on brake blocks and guides, brake cams and pins, car and truck battery terminals and other electrical connections, wheel bolts and nuts, and on wear bushings at electrical, compressed air and hydraulic hammers. The product can be used in many industrial applications.



**Anti-Seize Nickel**

**Assembly paste for extreme conditions**

The assembly paste was developed to resist extreme conditions. It is strongly adherent, water-repellent and resistant to sweat, salt and hot water as well as steam. The high nickel component furthermore provides protection against corroding and corrosive solvents which are contained in diluted hydrochloric acid, sulphur or nitric acid, among others. Anti-Seize Nickel can be applied at a large temperature range between -30°C to +1,450°C.

Anti-Seize Nickel serves as corrosion protection and highperformance fitting grease for static and dynamically extremely stressed screw connections and installation parts and the application at slowly rotating system in the high-temperature range.

The paste protects against corrosion, seizing, wear, stick-slip effects, oxidation and friction corrosion as well as electrolytic reactions, the so-called "cold welding".

For example, Anti-Seize Nickel can be used on seals, valves, screw connections, gear wheels, bearings, jets, conveyor belts, studs, tools or cylinders.

|                       | Copper Paste | Anti-Seize Nickel |
|-----------------------|--------------|-------------------|
| ▶ 30 g Pen            | 10025928     | -                 |
| ▶ 120 g Brush top can | 10026335     | 10000194          |
| ▶ 85 g Tube           | 10047468     | -                 |
| ▶ 400 g Cartridge     | 10040029     | 10000185          |
| ▶ 450 g Can           | 10000950     | 10000186          |
| ▶ 500 g Brush top can | 10030349     | 10047560          |
| ▶ 1.0 kg Can          | 10013761     | 10000192          |
| ▶ 1.8 kg Bucket       | -            | 10000187          |
| ▶ 5.0 kg Bucket       | -            | 10000189          |
| ▶ 10.0 kg Bucket      | 10002942     | 10000190          |
| ▶ 20.0 kg Bucket      | -            | 10000191          |
| ▶ 400 ml Spray        | 10025953     | -                 |



# Assembly Pastes

WEICON Anti-Seize products and their behaviour towards sealing materials (elastomers)

|  | Anti-Seize | Anti-Seize High-Tech | Copper Paste | Anti-Seize Nickel | Anti-Seize Ceramic Paste |
|--|------------|----------------------|--------------|-------------------|--------------------------|
| ACM - Acrylate rubber                  | ++         | ++                   | ++           | ++                | ++                       |
| CR - Chloroprene rubber                | +          | +                    | +            | +                 | +                        |
| CSM - Chlorosulfonated PE rubber       | +          | +                    | +            | +                 | +                        |
| EPDM - Ethylene propylene diene rubber | --         | --                   | --           | --                | --                       |
| FKM - Fluorocautchoc                   | ++         | ++                   | ++           | ++                | ++                       |
| NBR - Nitrile butadiene rubber         | ++         | ++                   | ++           | ++                | ++                       |
| NR - Natural rubber                    | --         | --                   | --           | --                | --                       |
| SBR - Styrene butadiene rubber         | --         | --                   | --           | --                | --                       |
| SQM/VMQ - Silicone rubber              | ++         | ++                   | ++           | ++                | ++                       |

WEICON Anti-Seize products and their behaviour towards polymer materials

|   | Anti-Seize | Anti-Seize High-Tech | Copper Paste | Anti-Seize Nickel | Anti-Seize Ceramic Paste |
|---|------------|----------------------|--------------|-------------------|--------------------------|
| ABS - ABS copolymeride                              | ++         | ++                   | ++           | ++                | ++                       |
| PA - Polyamide                                      | ++         | ++                   | ++           | ++                | ++                       |
| PC - Polycarbonate                                  | --         | --                   | --           | --                | --                       |
| PE-UHMW - Polyethylene with ultra high molar weight | ++         | ++                   | ++           | ++                | ++                       |
| PE-LD - Polyethylene with low density               | +          | +                    | +            | +                 | +                        |
| PET - Polyethyleneterephthalate                     | ++         | ++                   | ++           | ++                | ++                       |
| POM - Polyoxymethylene                              | ++         | ++                   | ++           | ++                | ++                       |
| PP - Polypropylene                                  | ++         | ++                   | ++           | ++                | ++                       |
| PTFE - Polytetrafluor ethylene                      | ++         | ++                   | ++           | ++                | ++                       |
| PUR - Polyurethane                                  | +          | +                    | +            | +                 | +                        |
| PVC - Polyvinylchloride                             | ++         | ++                   | ++           | ++                | ++                       |

++ resistant + resistant to a limited extent -- not resistant

The specified resistance levels are based on laboratory tests and literature notices. A guarantee cannot be provided due to the large number of raw materials used on the one hand and the complex chemical and morphological structure of the polymers on the other. In critical application cases, we recommend that you carry out tests and/or consult with our application technology department.

## Technical Data

|  | Anti-Seize                             | Anti-Seize High-Tech                 | Anti-Seize Nickel                    | Copper Paste                       | Anti-Seize Ceramic Paste               |
|--|--|--------------------------------------|--------------------------------------|------------------------------------|--|
| Basic oil  | synthetic oil mixture                  | medicinal oil                        | synthetic oil                        | mineral oil                        | Polyalphaolefin                        |
| Colour   | anthracite                             | white                                | anthracite                           | copper                             | white                                  |
| OFW device coefficient of friction                     | 0.13                                   | 0.10 to 0.13                         | 0.16                                 | ---                                | ---                                    |
| Coefficient of friction total                          | 0.11 $\mu$                             | 0.11 $\mu$                           | 0.12 $\mu$                           | 0.13 $\mu$                         | 0.15 $\mu$                             |
| Coefficient of friction thread                         | 0.13 $\mu$                             | 0.12 $\mu$                           | 0.14 $\mu$                           | 0.14 $\mu$                         | 0.17 $\mu$                             |
| Coefficient of friction on upside down                 | 0.10 $\mu$                             | 0.10 $\mu$                           | 0.11 $\mu$                           | 0.12 $\mu$                         | 0.14 $\mu$                             |
| VKA-TEST (DIN 51350) goods load                        | 4,200 N                                | 3,600 N                              | ---                                  | 3,000 N                            | 7,000 N                                |
| VKA-TEST (DIN 51350) welding load                      | 4,400 N                                | 3,800 N                              | 2,000 N                              | 3,200 N                            | 7,500 N                                |
| VKA-TEST (DIN 51350) Spherical cap value (1 Min/1000N) | 0,5 mm                                 | 0,7 mm                               | 0,6 mm                               | ---                                | 0,6 mm                                 |
| Worked penetration (DIN ISO 2137)                      | 310 to 340 1/10 mm                     | 310 to 340 1/10 mm                   | 310 to 340                           | 310 to 340 1/10 mm                 | ---                                    |
| Sulphur content (DIN 51400)                            | < 0.1%                                 | < 0.1%                               | < 0.1%                               | < 0.1%                             | 6%                                     |
| Water resistance (DIN 51807)                           | 0 - 90                                 | 0 - 91                               | 0 - 91                               | 0 - 91                             | 1-90                                   |
| Temperature resistance                                 | -180 to +1,200°C<br>(-292 to +2,192°F) | -40 to +1,400°C<br>(-40 to +2,552°F) | -30 to +1,450°C<br>(-22 to +2,642°F) | -20 to 1,100°C<br>(-4 to +2,012°F) | -40 to +1,400 °C<br>(-40 to +2,552 °F) |
| Pressure load  | 230 N/mm <sup>2</sup> (33.400 psi)     | 230 N/mm <sup>2</sup> (33.400 psi)   | 230 N/mm <sup>2</sup> (33.400 psi)   | ---                                | ---                                    |
| Density at +20°C (+68°F) (DIN 51757)                   | 1.16 g/cm <sup>3</sup>                 | 1.42 g/cm <sup>3</sup>               | 1.30 g/cm <sup>3</sup>               | 1.1 g/cm <sup>3</sup>              | 1.2 g/ml                               |
| Salt spray test  | > 170 h                                | > 170 h                              | > 170 h                              | ---                                | > 500 h                                |
| Dielectric strength                                    | 0.47 kV/mm                             | 0.40 kV/mm                           | ---                                  | ---                                | ---                                    |
| Specific resistance                                    | 1.2 x 10 <sup>15</sup> $\Omega$ -cm    | 1.0 x 10 <sup>15</sup> $\Omega$ -cm  | ---                                  | ---                                | ---                                    |
| Specific heat capacity                                 | 1.325 J/(g·K)                          | 1.574 J/(g·K)                        | 1.493 J/(g·K)                        | 1.713 J/(g·K)                      | ---                                    |
| Thermal conductivity (ISO 22007-4)                     | 0.546 W/(m·K)                          | 0.675 W/(m·K)                        | 0.582 W/(m·K)                        | 0.392 W/(m·K)                      | ---                                    |
| Dielectric strength (DIN EN 60243-1)                   | 1.3 kV/mm                              | 6.3 kV/mm                            | 1.1 kV/mm                            | 1.7 kV/mm                          | ---                                    |

**High Performance Greases**

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- Adhesives / Sealants
- Technical Sprays
- Technical Liquids
- Assembly Pastes
- Lubricants
- WEICON TOOLS®
- Other



High Performance Greases

# Allround Lubricant

Provide sustained protection  
against friction and wear

- ▶ extremely long re-greasing intervals
- ▶ increased functional dependability and the retention of the value of the machine and production plants
- ▶ reduction of the maintenance and repair work
- ▶ improved economic efficiency

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



**AL-F**

NSF  
 Nonfood Compounds  
 Program Listed #2  
 Registration 198173  
 NO FOOD CONTACT

**Allround product**

WEICON AL-F can be used to lubricate rolling and sliding bearings, joints, levers, sliding guides, spindles, spline shafts, camshafts, open gears, worm gears and all grease lubrication points, even in the food industry.

- ▶ 350 g ▶ 400 g ▶ 1.0 kg
- 10017515 10016775 10016777
- ▶ 5.0 kg ▶ 25.0 kg
- 10016781 10016784



**AL-H**

NSF  
 Nonfood Compounds  
 Program Listed #2  
 Registration 198173

**High-temperature-resistant | odourless and tasteless**

WEICON AL-H is suitable for rolling bearings, sliding bearings, joints, spindles, spline shafts and linear guidance systems at all sliding speeds permitted for grease lubrication.

WEICON AL-H is particularly suited for usage in foodstuff technology.

- ▶ 400 g ▶ 1.0 kg ▶ 5.0 kg
- 10016761 10016763 10016766
- ▶ 25.0 kg
- 10016769

**AL-T**

**High-temperature grease | long-term lubrication**

WEICON AL-T high performance grease is a universally usable high-temperature grease for long-term lubrication. WEICON AL-T is suitable for rolling and sliding bearings, joints, levers, sliding guides, spindles, spline shafts and at all sliding speeds permitted for grease lubrication.

- ▶ 400 g ▶ 1.0 kg ▶ 5.0 kg
- 10018579 10018591 10018595
- ▶ 25.0 kg
- 10018599



Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS<sup>®</sup>  
 Other



# High Performance Greases

## Allround Lubricant

### AL-M

**Long-term lubricant with MoS<sub>2</sub> | strong adhesion and high pressure resistance**

WEICON AL-M reduces friction and wear for a long time and is suited for rolling and slide bearings, joints, levers, sliding guides, spindles, camshafts, spline shafts, springs, open gears, worm gears and at all sliding speeds permitted for grease lubrication.

- ▶ 400 g    ▶ 1.0 kg    ▶ 5.0 kg
- 10016733    10016735    10016737
- ▶ 25.0 kg
- 10016739

### AL-W

**Special lubricant for underwater applications**

AL-W high performance grease is a special lubricant and corrosion protection which can also be used for underwater applications.

WEICON AL-W offers effective protection against aggressive liquids such as sea or wastewater, both in the maritime sector and in wet plants. WEICON AL-W is suitable for rolling and sliding bearings even in mixed friction operation, for joints, levers, sliding guides, spindles, spline shafts, open gears, worm gears, chains and wire cables and at all sliding speeds permitted for grease lubrication.

- ▶ 400 g    ▶ 1.0 kg    ▶ 5.0 kg
- 10016748    10016750    10016754
- ▶ 25.0 kg
- 10016756



### Silicone Grease



**Special lubricant for valves, fittings and sealings | drinking water approval\* | BAM\*\***

Strong and transparent silicone grease with a very good compatibility to plastics, especially for applications on valves, fittings and sealings.

Due to its NSF H1 registration, WEICON Silicone Grease is suitable as lubricant in sensitive areas where inadvertent contact to food is possible. It can be used in the food and beverage industry, in sanitary and heating construction, in

the pharmaceutical industry as well as in the sealing technology. The grease is particularly material-friendly, neutral in odour and taste and has a temperature resistance of -50°C to +200°C.

WEICON Silicone Grease is suitable for the lubrication of plastics, rubber parts and seals, valves, fittings and gaskets, machines, equipment, slow rotating bearings and as assembly aid for O-rings.

- ▶ 5 g    ▶ 85 g    ▶ 450 g    ▶ 1.0 kg    ▶ 5.0 kg    ▶ 25.0 kg
- 10053151    10050566    10050558    10050563    10051113    10051118



### Silicone Grease HV



**Special lubricant for valves, fittings and sealings | drinking water approval\* | NSF registration | BAM\*\***

Highly viscous, transparent silicone grease with a very good compatibility to plastics, especially for applications on valves, fittings and sealings.

The grease is particularly material-friendly, neutral in odour and taste and has a temperature resistance of -50 °C to +200 °C. Tested by the Ruhr Region Institute of Hygiene („Hygiene-Institut des Ruhrgebiets“) according to the Hygienic Assessment of Lubricants in Contact with Drinking Water by the Federal Environmental Agency of Germany.

- ▶ 450 g    ▶ 1.0 kg    ▶ 5.0 kg    ▶ 25.0 kg
- 10062499    10062501    10062503    10062505



\*Tested by the Ruhr Region Institute of Hygiene („Hygiene-Institut des Ruhrgebiets“) according to the Hygienic Assessment of Lubricants in Contact with Drinking Water by the Federal Environmental Agency of Germany.

\*\*BAM tested and safety-related evaluated according to leaflet M 034-1 "List of nonmetallic materials compatible with oxygen" (DGUV information 213-075) of BG RCI



## Technical Data

|  |                                      | AL-T                            | AL-M                           | AL-W   | AL-H                            | AL-F                            | Silicone Grease                 | Silicone Grease HV              |
|--|--------------------------------------|---------------------------------|--------------------------------|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Abbreviation (DIN 51502):  |                                      | KPL 2 R -20                     | KF 2 K -20                     | KPL 1-2 E -25  | KPHC 1P -40                     | KLF 2K -30                      | MSI2 S-50                       | MSIS-40                         |
| Consistency assignment (DIN 51818):  |                                      | NLGI-class 2                    | NLGI-class 2                   | NLGI-class 1-2   | NLGI-class 1                    | NLGI-class 2                    | NLGI-class 2-3                  | NLGI-class 3                    |
| Base oil:  |                                      | Mineral oil                     | Mineral oil                    | Mineral oil  | Polyalphaolefin                 | Mineral oil                     | Silicone oil                    | Silicone oil                    |
| Base thickener:  |                                      | Aluminium complex soap          | Li/Ca soap/MoS <sub>2</sub>    | Spec. calcium soap   | Aluminium complex soap          | Lithium                         | Gel                             | Gel                             |
| Colour:  |                                      | darkbrown                       | black                          | beige  | white                           | white                           | colourless translucent          | translucent                     |
| VKA Test (DIN 51 350):   | Welding load                         | 2.400 N                         | 3.400 N                        | 3.400 N  | 3.600 N                         | 3.400 N                         | ---                             | ---                             |
|  | Goods load                           | 2.200 N                         | 3.200 N                        | 3.200 N  | 3.400 N                         | 3.200 N                         | ---                             | ---                             |
|  | Spherical cap value (1 Min / 1000 N) | 2,0 mm                          | 0,5 mm                         | 0,7 mm   | 0,6 mm                          | 0,8 mm                          | ---                             | ---                             |
| Speed identifying value (k <sub>a</sub> · n · d <sub>m</sub> ):  |                                      | 200.000                         | 400.000                        | 450.000  | 400.000                         | 350.000                         | ---                             | ---                             |
| Worked penetration (DIN ISO 2137):   |                                      | 265-295 1/10 mm                 | 265-295 1/10 mm                | 285-315 1/10 mm  | 310-340 1/10 mm                 | 265-295 1/10 mm                 | 240-270 1/10 mm                 | 240-270 1/10 mm                 |
| Water resistance (DIN 51807):  |                                      | 0 - 90                          | 1 - 90                         | 0 - 40   | 1 - 90                          | 1 - 90                          | 1-90                            | 1-90                            |
| Temperature resistance:  |                                      | -25°C to +190°C (-13 to +374°F) | -20°C to +120°C (-4 to +248°F) | -25°C to +80°C (-13 to +176°F)                                     | -40°C to +160°C (-40 to +320°F) | -30°C to +120°C (-22 to +248°F) | -50°C to +200°C (-58 to +392°F) | -40°C to +200°C (-40 to +392°F) |
| Drop point (IP 396):   |                                      | >210°C (+410°F)                 | >170°C (+338°F)                | >100°C (+212°F)  | >200°C (+392°F)                 | >190°C (+374°F)                 | >200 °C (+392 °F)               | >200 °C (+392 °F)               |
| Base oil viscosity (DIN 51 562):   | +40°C (+104°F)                       | 230 mm <sup>2</sup> /s          | 160 mm <sup>2</sup> /s         | 100 mm <sup>2</sup> /s   | 400 mm <sup>2</sup> /s          | 100 mm <sup>2</sup> /s          | 75 mm <sup>2</sup> /s           | 2400 mm <sup>2</sup> /s         |
|  | +100°C (+212°F)                      | 15 mm <sup>2</sup> /s           | 15 mm <sup>2</sup> /s          | 9 mm <sup>2</sup> /s   | 40 mm <sup>2</sup> /s           | 9 mm <sup>2</sup> /s            | 31 mm <sup>2</sup> /s           | 1000 mm <sup>2</sup> /s         |
| Salt spray test with separated protective coats (Federal German Armed Forces Regulations 336 h/35°C, 5% NaCl): |                                      | ---                             | ---                            | no corrosion   | ---                             | ---                             | ---                             | ---                             |
| EMCOR test (DIN 51 802 distilled water):   |                                      | 0 / 0                           | 0 / 0                          |  | 0 / 0                           |                                 | 1 / 2                           | 1 / 2                           |
| EMCOR test (DIN 51 802 3% NaCl solution):  |                                      |                                 |                                | 0 / 0  |                                 | 0 / 0                           |                                 |                                 |
| Density at +20°C (+68°F) (DIN 51757):  |                                      | 0,94 g/cm <sup>3</sup>          | 0,92 g/cm <sup>3</sup>         | 0,94 g/cm <sup>3</sup>   | 0,93 g/cm <sup>3</sup>          | 0,90 g/cm <sup>3</sup>          | 0,98 g/cm <sup>3</sup>          | >1,00 g/cm <sup>3</sup>         |
| Conforms to:   |                                      | . / .                           | . / .                          | Federal German Armed Forces TL 9150-0066, NATO specification G-460 | NSF-H 1                         | NSF-H 2                         | NSF-H 1                         | NSF-H 1                         |
| Heat capacity:   |                                      | 1.490 J/(g·K)                   | 1.766 J/(g·K)                  | 1.762 J/(g·K)  | 1.838 J/(g·K)                   | 1.832 J/(g·K)                   | 1.295 J/(g·K)                   | 1.295 J/(g·K)                   |
| Thermal conductivity (ISO 22007-4):  |                                      | +20 °C (+68 °F)                 | 0,372 W/m·K                    | 0,491 W/m·K  | 0,494 W/m·K                     | 0,394 W/m·K                     | 0,524 W/m·K                     | 0,445 W/m·K                     |
| Dielectric strength (DIN EN 60243-1):  |                                      |                                 | 11,0 kV/mm                     | 11,5 kV/mm   | 9,5 kV/mm                       | 29,6 kV/mm                      | 7,8 kV/mm                       | 9,2 kV/mm                       |
| Shelf life at least (months)*:   |                                      | 24                              | 24                             | 24   | 24                              | 24                              | 24                              | 24                              |

## Type selection table

|                      | AL-T | AL-M | AL-W | AL-H | AL-F | Silicone Grease | Silicone Grease HV |
|----------------------|------|------|------|------|------|-----------------|--------------------|
| Rolling bearings     | •    | •    | •    | •    | •    |                 |                    |
| Sliding bearings     | •    | •    | •    | •    | •    |                 |                    |
| Chains               |      |      | •    |      |      |                 |                    |
| Joints               | •    | •    | •    | •    | •    | •               | •                  |
| Levers               | •    | •    | •    | •    | •    | •               | •                  |
| Sliding guides       | •    | •    | •    | •    | •    | •               | •                  |
| Linear guide systems | •    |      |      | •    |      | •               | •                  |
| Spindles             | •    | •    | •    | •    |      | •               | •                  |
| Spline shafts        | •    | •    | •    |      |      |                 |                    |
| Camshafts            |      | •    |      |      |      |                 |                    |
| Springs              |      | •    |      |      |      |                 |                    |
| Open gears           |      | •    | •    |      |      | •               |                    |
| Worm gears           |      | •    | •    |      |      | •               |                    |
| Cables               |      |      | •    |      |      |                 |                    |



# Allround Lubricant

## WEICON lubricants and their behaviour towards sealing materials (elastomers)

|  | AL-T | AL-M | AL-W | AL-H | AL-F | Silicone Grease | Silicone Grease HV |
|--|------|------|------|------|------|-----------------|--------------------|
| ACM - Acrylate rubber                  | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| CR - Chloroprene rubber                | +    | +    | +    | +    | +    | ++              | ++                 |
| CSM - Chlorosulfonated PE rubber       | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| EPDM - Ethylene propylene diene rubber | --   | --   | --   | --   | --   | ++              | ++                 |
| FKM - Fluorocautchoc                   | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| NBR - Nitrile butadiene rubber         | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| NR - Natural rubber                    | 0    | --   | --   | --   | --   | ++              | ++                 |
| SBR - Styrene butadiene rubber         | 0    | --   | --   | --   | --   | ++              | ++                 |
| SQM/MVQ - Silicone rubber              | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |

++ resistant + resistant to a limited extent 0 not tested, preliminary trials or resistance tests are recommended -- not resistant

## WEICON lubricants and their behaviour towards polymer materials

|   | AL-T | AL-M | AL-W | AL-H | AL-F | Silicone Grease | Silicone Grease HV |
|---|------|------|------|------|------|-----------------|--------------------|
| ABS - ABS copolymeride                            | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| CA - Cellulose acetate                            | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| EPS - Expanded polystyrene                        | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| PA - Polyamide                                    | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| PC - Polycarbonate                                | --   | --   | --   | +    | --   | ++              | ++                 |
| PE - Polyethylene                                 | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| PE-UHMW - Polyethylene with ultra high molar mass | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| PE-LD - Polyethylene with low density             | +    | +    | +    | ++   | +    | ++              | ++                 |
| PET - Polyethyleneterephthalate                   | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| POM - Polyoxymethylene                            | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| PP - Polypropylene                                | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| Polyphenylene oxide                               | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| PS - Polystyrene                                  | +    | +    | +    | ++   | +    | ++              | ++                 |
| PTFE - Polytetrafluor ethylene                    | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| PUR - Polyurethane                                | +    | +    | +    | ++   | +    | ++              | ++                 |
| PVC - Polyvinylchloride                           | ++   | ++   | ++   | ++   | ++   | ++              | ++                 |
| TPE - Thermoplastic elastomers                    | 0    | 0    | 0    | 0    | 0    | ++              | ++                 |

++ resistant + resistant to a limited extent 0 not tested, preliminary trials or resistance tests are recommended -- not resistant

The stated resistance levels are based on laboratory tests and literature notices. A guarantee cannot be provided due to the large number of raw materials used on the one hand and the complex chemical and morphological structure of the polymers on the other. In critical application cases we recommend that you carry out tests and/or consult with our application technology department.



**Green Line**

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**Cable Strippers**

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WEICON TOOLS®

# Stripping Tools



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Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Have a look at our **WEICON TOOLS®**



Quality and continuity “Made in Germany”  
**INNOVATIVE AND RELIABLE!**

Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other





# WEICON TOOLS®



Member of the German Tool Industry Association



We have been developing, manufacturing and distributing high-quality wire stripping tools since 1967.

We present these tools at more than 40 fairs and trade shows every year, all over the world. We keep in constant contact with our users, who tell us about new developments in their work processes and, that way, give us ideas and requests for new or improved WEICON TOOLS.



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In the development of our high-quality stripping tools, we have been working together with the company Krampe from Ascheberg-Herbern near Muenster since 1990.

Our consistent key focus in the production process is on precision to ensure that the products we offer are always of exceptional quality.

Our products are made of high-quality materials, hold numerous certificates and are characterised by their outstanding functionality and durability.



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

# Green Line®

## What is Green Line?

Not just a **GREEN** look

Together with a group of experts, we have developed the **WEICON TOOLS Green Line®**. A tool range made of up to 97 % renewable raw materials, which is recyclable and has an excellent life cycle assessment.

**97%**  
made from renewable resources



## Eco-friendly quality

What can we do to enable a sustainable future? That is a question not only many people ask themselves in regards to their own homes, but also more and more companies. We at WEICON have also been tackling this issue for many years.

That is why we have developed the **WEICON TOOLS Green Line®**. In terms of quality, they are in no way inferior to our classic line and are just as robust and durable.



### The material used:

- ▶ is based on plant oils, natural waxes, fibres and minerals
- ▶ goes through a closed CO<sub>2</sub> cycle and is recyclable
- ▶ is largely produced without the use of the finite resource crude oil
- ▶ has polyamide-like characteristics
- ▶ is produced CO<sub>2</sub> neutrally and with renewable energy



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other





# Sustainable Stripping Tools

Cable Strippers | Wire Strippers | Multifunctional Stripping Tools



**Cable Stripper No. S 4-28**  
Art.-No. 10061987

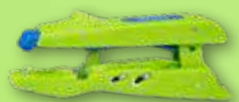


**Wire Stripper No. 5 LED Set**  
Art.-No. 10101947

**NEW**



**Coax-Stripper No. 1 F Plus**  
Art.-No. 10062002



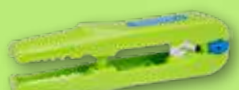
**Duo-Crimp No. 300**  
Art.-No. 10062010



**Cable Stripper No. S 4-28 Multi**  
Art.-No. 10061989



**Coax-Stripper No. 2**  
Art.-No. 10062004



**Multi-Stripper No. 400**  
Art.-No. 10062014



**Cable Stripper No. 4-28 H**  
Art.-No. 10061991



**Wire Stripper No. 5**  
Art.-No. 10061997

also available without LED



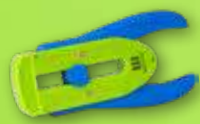
**Quadro-Stripper No. 16**  
Art.-No. 10062006



**Stripper No. 100**  
Art.-No. 10062016



**Cable Stripper No. 8-27**  
Art.-No. 10061996



**Precision Wire Stripper S**  
Art.-No. 10062000



**Round Cable Stripper No. 13**  
Art.-No. 10062008



**Profi-Starter Set**  
Art.-No. 10062018



**Cable Stripper No. 4-16**  
Art.-No. 10061993



## Production with energy generated in-house

Our tools are produced almost entirely with energy generated in-house – thanks to photovoltaic systems.



## Resource-saving production chain

Faulty tools as well as the sprue produced during injection moulding are remelted at the beginning of the production chain.



## Green electricity

At our headquarters in Germany, we now rely on 100 % green electricity.



## Repairing instead of replacing

Our WEICON TOOLS are part of the WEICON company – a producer of special chemical products for industrial use. Chemicals and sustainability are incompatible? Not necessarily. With the help of our products, many things can be repaired instead of thrown out and replaced.



## Cardboard instead of plastic

Our WEICON TOOLS come in a recyclable cardboard packaging.



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other

Have a look at our  
**WEICON-TOOLS®**



# CABLE STRIPPER S 4-28

- ▶ ergonomically designed and fully insulated
- ▶ infinitely adjustable and easy-to-use adjusting wheel
- ▶ precise, quick and safe stripping



## No. S 4-28 Spiral **NEW**

Round, longitudinal and spiral cuts for soft and hard cable insulations

- ▶ for all standard round cables with a diameter of 4 to 28 mm
- ▶ with integrated self-retracting safety blade, which automatically retracts in case of misuse to prevent cuts and injuries
- ▶ blade depth comfortably adjustable from 0-3 mm thanks to lockable adjusting screw (in steps of 0.1 mm)
- ▶ cutting depth 0-3 mm



| mm  | g  | mm <sup>2</sup> | Ømm  | Art.-No. |
|-----|----|-----------------|------|----------|
| 145 | 80 | -               | 4-28 | 10101939 |



**Working range  
4-28 mm Ø**



## No. S 4-28 Multi

Stripping function integrated in the housing

- ▶ stripping of all standard flexible and solid cables with a cross-diameter between 0.5 and 6 mm<sup>2</sup>

| mm  | g  | mm <sup>2</sup>      | Ømm  | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|----------------------|------|----------|-----------------------------|
| 145 | 61 | 0.5-6<br>(20-10 AWG) | 4-28 | 10030001 | 10061989                    |



## No. S 4-28

Safe due to retractable hook blade

- ▶ the blade can be locked in both positions

| mm  | g  | mm <sup>2</sup> | Ømm  | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|-----------------|------|----------|-----------------------------|
| 145 | 72 | -               | 4-28 | 10021246 | 10061987                    |



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



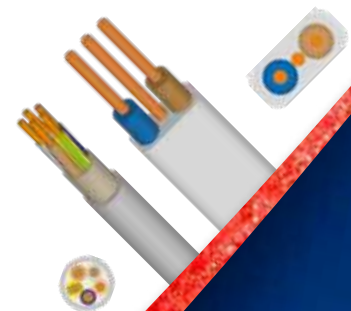
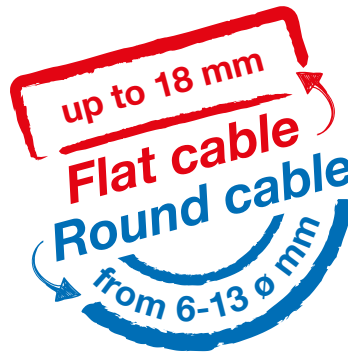
# FLAT AND ROUND CABLE STRIPPER

Enables circular and longitudinal cuts on both flat and round cables

- ▶ for all common flat cables up to a width of 18 mm
- ▶ for all common round cables with a diameter of 6 to 13 mm
- ▶ enables circular and longitudinal cuts on both flat and round cables
- ▶ stripping function integrated in the housing (from 0.5 to 6 mm<sup>2</sup>)
- ▶ precise work even in very narrow spaces, such as in junction boxes or cable ducts
- ▶ cutting depth 0-3 mm
- ▶ blade depth comfortably adjustable from 0-3 mm thanks to lockable adjusting screw (in steps of 0.1 mm)
- ▶ ergonomically shaped handle



| mm  | g   | mm <sup>2</sup>      | Flat cables | Round cables | Art.-No. |
|-----|-----|----------------------|-------------|--------------|----------|
| 164 | 106 | 0.5-6<br>(20-10 AWG) | 18 mm       | 6-13 Ømm     | 10068090 |



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Have a look at our  
**WEICON-TOOLS®**



# CABLE STRIPPERS

- ▶ ergonomically designed and fully insulated
- ▶ infinitely adjustable and easy-to-use adjusting wheel
- ▶ precise, quick and safe stripping



**modified**  
**Ideal**  
**handle shape**  
**design**

### Working range

- ▶ for all standard round cables from **4-28 mm Ø**

### Design and ergonomics

- ▶ large handle diameter with grip zones for optimal haptics and non-slip work
- ▶ 2-component handle with "ice crack" design

### Adjusting wheel

- ▶ easily accessible adjusting wheel for regulation of the cutting depth



### Safety

- ▶ safety cap on hook blade reduces risk of injury

### Bayonet mount

- ▶ fast tool-free change of blades with bayonet mount



**Cable Strippers**

|                   | ↔<br>mm | Ⓞ  | Ømm                         | Art.-No. |
|-------------------|---------|----|-----------------------------|----------|
| <b>No. 4-16</b>   | 135     | 89 | 4-16                        | 10006784 |
| <b>No. 8-27</b>   | 135     | 90 | 8-28                        | 10006805 |
|                   | ↔<br>mm | Ⓞ  | Ømm                         | Art.-No. |
| <b>No. 4-28 H</b> | 175     | 98 | 4-28<br>with hook blade     | 10012844 |
|                   | ↔<br>mm | Ⓞ  | Ømm                         | Art.-No. |
| <b>No. 4-28 G</b> | 175     | 99 | 4-28<br>with straight blade | 10012851 |
|                   | ↔<br>mm | Ⓞ  | Ømm                         | Art.-No. |
| <b>No. 28-35</b>  | 160     | 91 | 28-35                       | 10006830 |
| <b>No. 35-50</b>  | 175     | 95 | 35-50                       | 10006839 |



**Classic-Version**

|                   | ↔<br>mm | Ⓞ  | Ømm                     | Art.-No. | Green Line<br>(s. page 205) |
|-------------------|---------|----|-------------------------|----------|-----------------------------|
| <b>No. C 4-16</b> | 135     | 67 | 4-16                    | 10051155 | 10061993                    |
| <b>No. C 8-27</b> | 135     | 69 | 8-28                    | 10051157 | 10061996                    |
| <b>No. C 4-28</b> | 180     | 80 | 4-28<br>with hook blade | 10051159 | 10061991                    |



No. C 4-16



No. C 8-27



No. C 4-28

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



# WIRE STRIPPERS

Automatic wire strippers for all common stranded and solid conductors. A scanning system adjusts automatically to the respective wire diameter, and thus permits fast and simple dismantling and stripping.

**NEW**

## LED WORK LIGHT



### LED

- ▶ luminous flux in lumen 250 lm
- ▶ excellent visibility when stripping cables in dark rooms or in outdoor areas

### Compact design

- ▶ housing made of polycarbonate
- ▶ water and dust resistance according to IP 65
- ▶ small, lightweight and robust

### Light functions

- ▶ adjustable in three levels
- ▶ flush-mounted integrated switch
- ▶ fully illuminates the work area

### Modular

- ▶ the housing can be attached to many WEICON TOOLS Wire Strippers as an upgrade
- ▶ suitable for: No. 5, No. 5 Pro, No. 5 Classic, No. 5 Solar Pro, No. 7 Magic, No. 7F, No. 7 Solar



### MOUNTABLE ON BOTH SIDES



### Battery

- ▶ maximum runtime (for 2. level): 2 hours
- ▶ charging time: approx. 40 minutes
- ▶ battery capacity: 180 mAh
- ▶ lithium-battery

### Power supply

- ▶ lithium-battery (rechargeable with supplied USB-C cable)
- ▶ charging port protected with dust cap

### Scope of delivery

- ▶ incl. USB-C connection cable
- ▶ instruction manual

| mm | g  | Colour  | Art.-No. |
|----|----|---------|----------|
| 48 | 15 | Red ●   | 10100517 |
|    |    | Black ● | 10101948 |





**NEW**

0.2-16 mm<sup>2</sup>  
Increased stripping range  
24-5 AWG

also available without LED

**No. 5 Pro**

Large, efficient working range from 0.2-16 mm<sup>2</sup> (24-5 AWG) | fully automatic, self-adjusting wire stripper

- ▶ precise working thanks to adjustable length stop (5-25 mm)
- ▶ powerful integrated side cutter up to 3 mm Cu/AL
- ▶ ergonomically designed anti-slip multi-component handle

| mm  | g   | mm <sup>2</sup>                    | Art.-No.                     |
|-----|-----|------------------------------------|------------------------------|
| 160 | 155 | 0.2-16 mm <sup>2</sup><br>24-5 AWG | <b>LED-Set:</b> 10101937     |
| 160 | 140 | 0.2-16 mm <sup>2</sup><br>24-5 AWG | <b>Without LED:</b> 10062070 |



**NEW**

Our Bestseller

also available without LED

**No. 5**

Space-saving thanks to locking mechanism

- ▶ automatic wire stripper
- ▶ precise work with adjustable length stop (5-12 mm)
- ▶ integrated, well accessible side cutter up to 2 mm Ø

| mm  | g   | mm <sup>2</sup>    | Art.-No.                     | Green Line<br>(s. page 205) |
|-----|-----|--------------------|------------------------------|-----------------------------|
| 170 | 122 | 0.2-6<br>24-10 AWG | <b>LED-Set:</b> 10101936     | 10101947                    |
| 170 | 107 | 0.2-6<br>24-10 AWG | <b>Without LED:</b> 10006786 | 10061997                    |

**No. 6**

Working with voltage up to 1000 Volt\*  
Unit testing according to DIN EN 60900

- ▶ fully insulated, automatic wire stripper
- ▶ precise work with adjustable length stop (5-12 mm)
- ▶ space-saving thanks to locking mechanism

| mm  | g   | mm <sup>2</sup>      | Art.-No. |
|-----|-----|----------------------|----------|
| 170 | 105 | 0.2-6<br>(24-10 AWG) | 10014847 |

\* Tools with safety insulation are basic prerequisites for working on live wires and parts. Please always pay attention to the legal regulations and follow the corresponding safety advice!

1000 V  
IEC: 60900



**No. 5 Classic**

| mm  | g   | mm <sup>2</sup>      | Art.-No. |
|-----|-----|----------------------|----------|
| 170 | 107 | 0.2-6<br>(24-10 AWG) | 10056659 |

# WIRE STRIPPERS



## No. 7 Magic

The all-rounder for stripping and dismantling  
Pat.no. EP 1 671 407 B1

- ▶ for many different cable types in building installation
- ▶ precise work with optical length scale
- ▶ integrated, well accessible side cutter up to 3 mm Ø

## No. 7-F

Stripping and dismantling of all standard flat cables  
Pat.no. EP 1 671 407 B1

- ▶ precise work with optical length scale
- ▶ integrated, well accessible side cutter up to 3 mm Ø

| mm  | g   | Round cables      | mm <sup>2</sup>                        | Art.-No. |
|-----|-----|-------------------|--|----------|
| 170 | 217 | stranded<br>solid | 0.5-16 (20-6 AWG)<br>0.5-10 (20-8 AWG) | 10018202 |

| mm  | g   | flat cables | mm <sup>2</sup>       | Art.-No. |
|-----|-----|-------------|-----------------------|----------|
| 170 | 220 | flat cables | 0.75-4<br>(18-11 AWG) | 10017050 |







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DBGM 20 2019 107 281.4

**Precision Wire Stripper S**

Fast, easy and precise stripping of thin wires and conductors

Semi-automatic wire stripper for the fast and safe stripping of very fine conductors, strands or wires with small diameters in the range of 0.12-0.8 mm Ø (36-20 AWG). With the adjustable scaled length stop for the working range from 5 to 45 millimetres, the desired stripping length can be set quickly and reliably.

| mm  | g  |                   | Ø           | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|-------------------|-------------|----------|-----------------------------|
| 112 | 45 | stranded<br>solid | 0.12-0.8 mm | 10055930 | 10062000                    |



**ESD Precision Wire Stripper**



\* ESD = dissipative ESD material protects against electrostatic discharge



| mm  | g  |                   | Ø           | Art.-No. |
|-----|----|-------------------|-------------|----------|
| 112 | 45 | stranded<br>solid | 0.12-0.8 mm | 10006673 |

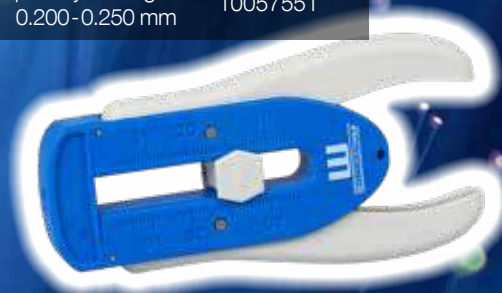
**Fibre Optic Stripper**

10057551

| mm  | g  | Cable type                | Ø                                   | Art.-No. |
|-----|----|---------------------------|-------------------------------------|----------|
| 112 | 45 | fibre optic<br>Ø 0.125 mm | primary coating Ø<br>0.200-0.250 mm | 10057551 |

fast and easy stripping of fibre optic primary coatings 200-250 µm

- ▶ for removing the primary coating on fibre optic cables Ø 0.125 mm
- ▶ blade Ø 0.16 mm, opening for cable insertion Ø 0,35 mm
- ▶ precise working thanks to adjustable length stop from 5-45 mm
- ▶ professional cable stripping technology
- ▶ suitable for right- and left-handed users



LWL primary coating  
Ø 0.200-0.250 mm  
(200-250 µm)

fibre optic  
Ø 0.125 mm (125 µm)

# STRIPPING TOOLS

Our stripping tools allow a range of different cables to be safely and conveniently stripped. The flexible tools can even be reliably used in hard-to-reach areas and always provide precise results.

## Coax-Stripper No. 1 F Plus

Quick dismantling and stripping of coaxial cables with only one working step

- ▶ space-saving assembly and disassembly of F-connectors due to integrated open hexagon wrench with 11 mm width across flats
- ▶ gripping jaws for screwing F-connectors onto the cable
- ▶ changeable module inserts via click system



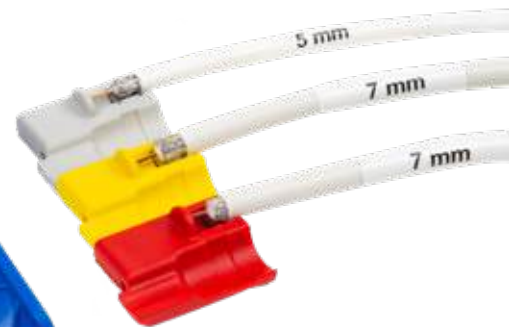
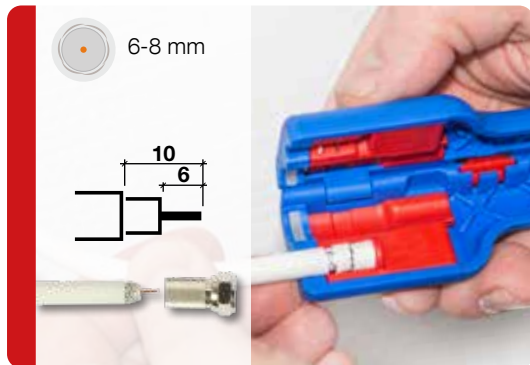
DBGM 20 2017 107 094



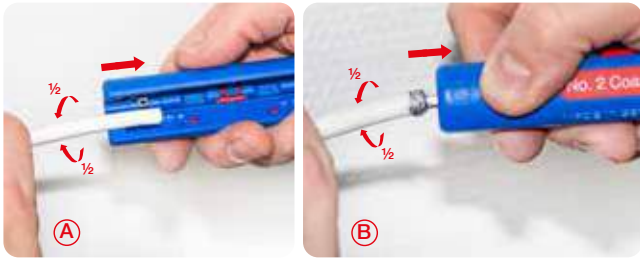
| mm  | g  |        | Ømm     | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|--------|---------|----------|-----------------------------|
| 125 | 47 | Yellow | 6.0-8.0 | 10052731 |                             |
| 125 | 47 | Red    | 6.0-8.0 | 10051150 | 10062002                    |
| 125 | 47 | Grey   | 4.0-5.0 | 10055142 |                             |

\*for mini coaxial cables

For further information and illustrations, take a look at page 230 with our spare parts!







**Coax-Stripper No. 2**

Good handling due to ergonomic design

- ▶ two-level stripping of all common coaxial cables
- ▶ there is no need to adjust the cutting depth
- ▶ also suitable for flexible cables
- ▶ \*length scale (0-17 mm) integrated in the housing

| mm  | g  | Ømm     | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|---------|----------|-----------------------------|
| 110 | 28 | 4.8-7.5 | 10006875 | 10062004                    |



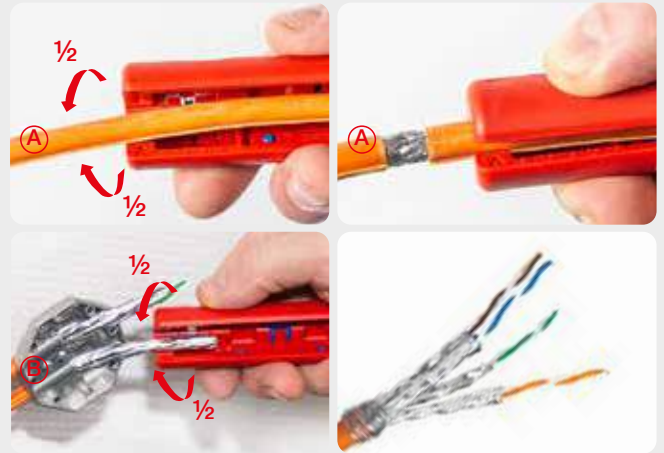
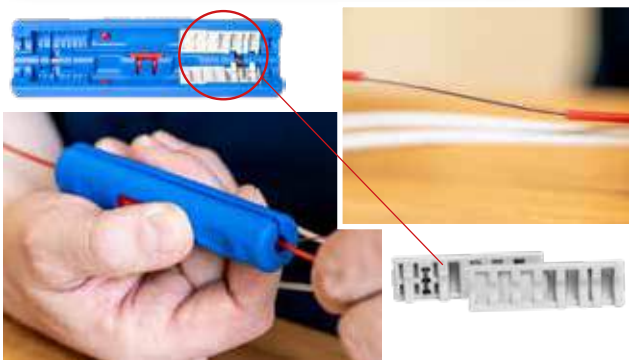
**Fibre Optic Tube No. 2**

Tool for stripping special buffer tubes on fibre optic cables with a diameter of 1.2 mm to 4 mm. Works with core sleeves, e.g. made of PE, with wall thicknesses of 0.15 mm to 0.6 mm.



- ▶ precisely cuts the PE tubes on fibre optic cables
- ▶ fast stripping of the loose tubes
- ▶ modular pair of blades for fibre optic tubes

| mm  | g  | Ømm | Art.-No. |
|-----|----|-----|----------|
| 110 | 36 | -   | 10062188 |



**Stripper No. 2 Cat**

Easy handling thanks to ergonomic shape

- ▶ for insulated PVC data cables (e.g. Cat5, Cat6, Cat7, twisted-pair cables) with a diameter of 4.5-10 mm
- ▶ adjusting the cutting depth manually is not necessary
- ▶ the precise adjustment of the blade removes the outer jacket accurately. With the second blade, the foil shield is slit open carefully and can then be easily removed

| mm  | g  | Ømm    | Art.-No. |
|-----|----|--------|----------|
| 110 | 28 | 4.5-10 | 10054014 |



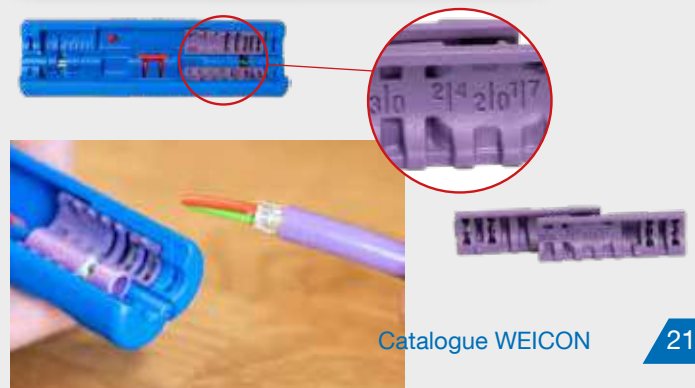
**Profibus Stripper No. 2**

Stripping tool for e.g. shielded Profibus data cables with a diameter of 5.5 mm to 8 mm, e.g. installing for FastConnect connectors



- ▶ cut optimised for FastConnect connectors
- ▶ optical length scale optimised for different connector types
- ▶ modular pair of blades for Profibus

| mm  | g  | Ømm     | Art.-No. |
|-----|----|---------|----------|
| 110 | 35 | 5.5-8.0 | 10062190 |



# STRIPPING TOOLS

## Round Cable Stripper No. 13

Safe work with the ergonomic anti-slip handle shape

- ▶ for all standard round cables
- ▶ flush stripping, even in hard-to-reach areas
- ▶ it is not necessary to adjust the cutting depth

| mm  | g  | Ømm  | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|------|----------|-----------------------------|
| 140 | 48 | 6-13 | 10006883 | 10062008                    |

6-13 mm  
Increased stripping range  
6-13 mm



## Round Cable Stripper No. 13 Classic

Safe work with the ergonomic anti-slip handle shape

- ▶ for all standard round cables
- ▶ flush stripping, even in hard-to-reach areas
- ▶ it is not necessary to adjust the cutting depth

| mm  | g  | Ømm  | Art.-No. |
|-----|----|------|----------|
| 120 | 44 | 8-13 | 10049329 |



## Cat Cable-Stripper No. 10

Easy and space-saving stripping of data and network cables

- ▶ suitable for e.g. Cat5, Cat6, Cat7 twisted-pair cables (4.5-10mm Ø)
- ▶ integrated length stop, adjustable to the required length
- ▶ safe work with the ergonomic anti-slip handle shape

| mm  | g  | Ømm    | Art.-No. |
|-----|----|--------|----------|
| 140 | 48 | 4.5-10 | 10051142 |



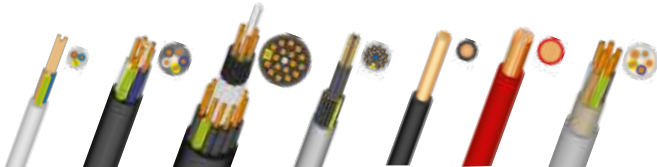


**Quadro-Stripper No. 16**

**Multifunctional with optimized cable routing**

- ▶ circular and longitudinal cutting - stripping - cutting
- ▶ exchangeable hook blade, firmly locked in any position
- ▶ anti-slip handle shape

| mm  | g  | mm <sup>2</sup>      | Ømm  | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|----------------------|------|----------|-----------------------------|
| 125 | 53 | 0.5-6<br>(20-10 AWG) | 8-13 | 10038853 | 10062006                    |



Adhesives / Sealants

Technical Sprays

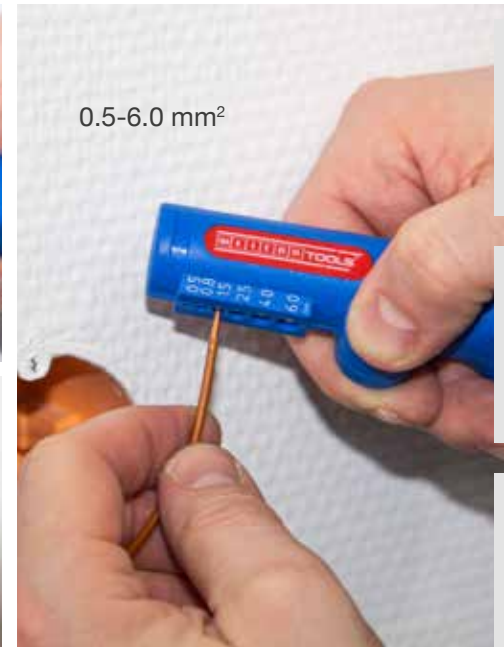
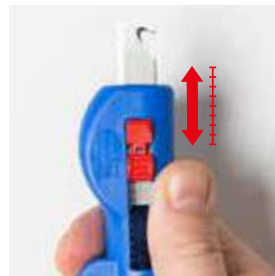
Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



**Combi-Coax No. 3**

**Parallel blade arrangement allows even faster stripping**

- ▶ allows two- or three-level stripping of all common coaxial cables
- ▶ also suitable for flexible cables
- ▶ integrated and well accessible side cutter up to 8 mm Ø

| mm  | g  | Ømm     | Art.-No. |
|-----|----|---------|----------|
| 125 | 55 | 4.8-7.5 | 10013082 |



# MULTI-PURPOSE STRIPPERS

WEICON TOOLS multi-purpose strippers provide various functions: circular and longitudinal stripping, dismantling and cutting. This allows professional dismantling and stripping with just one tool.

## Duo-Crimp No. 300

Stripping and crimping with just one tool

- ▶ insulation removal from 0.5 mm<sup>2</sup> to 6,0 mm<sup>2</sup>
- ▶ two crimping ranges are offered (0.5-2,5 mm<sup>2</sup> and 4.0-6.0 mm<sup>2</sup>) according to DIN 46228-2
- ▶ integrated, well accessible side cutter up to 6 mm<sup>2</sup>

| mm  | g   | mm <sup>2</sup>      | Art.-No. | Green Line<br>(s. page 205) |
|-----|-----|----------------------|----------|-----------------------------|
| 160 | 116 | 0.5-6<br>(20-10 AWG) | 10007406 | 10062010                    |



## Mini-Duo No. 150

Automatic wire stripper

- ▶ allows quick and accurate stripping
- ▶ precise work with integrated length scale
- ▶ easily accessible built-in side cutter for cables up to 6 mm<sup>2</sup>

| mm  | g   | mm <sup>2</sup>      | Art.-No. |
|-----|-----|----------------------|----------|
| 160 | 112 | 0.5-6<br>(20-10 AWG) | 10007413 |



## Duo-Stripper No. 200

Professional dismantling and stripping

- ▶ quick and simple stripping from 0.5 mm<sup>2</sup> to 6.0 mm<sup>2</sup>
- ▶ dismantling: working range 4-28 mm Ø
- ▶ spare blade in the handle case

| mm  | g   | mm <sup>2</sup>      | Ømm  | Art.-No. |
|-----|-----|----------------------|------|----------|
| 160 | 123 | 0.5-6<br>(20-10 AWG) | 4-28 | 10006853 |







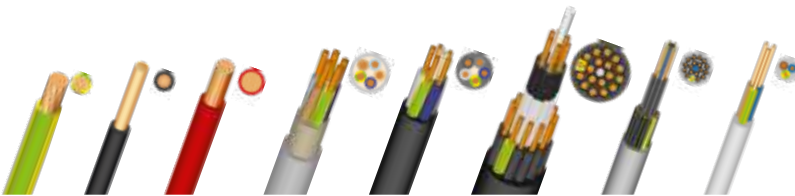
**Multi-Stripper  
No. 400**



**Multifunctional with 4 functions**

- ▶ circular cutting - longitudinal cutting - stripping - cutting
- ▶ flush stripping, even in hard-to-reach areas
- ▶ safe and space-saving storage with closing clip

| mm  | g  | mm <sup>2</sup>      | Ømm  | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|----------------------|------|----------|-----------------------------|
| 155 | 79 | 0.5-6<br>(20-10 AWG) | 8-13 | 10001620 | 10062014                    |

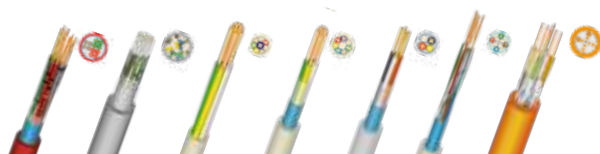


**Data-Strip No. 30**

**Inner blade can be set to the insulation thickness**

- ▶ removal of the outer insulation on data cables
- ▶ stripping of conductors and stranded wires, e.g. telephone lines
- ▶ precise stripping with adjustable length stop (3.5-14 mm)
- ▶ integrated, well accessible side cutter up to 8 mm Ø

| mm  | g  | mm <sup>2</sup>                        | Ømm  | Art.-No. |
|-----|----|--|------|----------|
| 125 | 60 | 0.05-0.5<br>(0.2-0.8 Ø)<br>(30-20 AWG) | 4-10 | 10033530 |



**Stripper No. 100**

**Universal tool for dismantling and stripping**

- ▶ for many different cable types in building installation
- ▶ flush stripping on ceilings and walls
- ▶ allows circular and longitudinal stripping

| mm  | g  | mm <sup>2</sup>      | Ømm  | Art.-No. | Green Line<br>(s. page 205) |
|-----|----|----------------------|------|----------|-----------------------------|
| 140 | 74 | 0.5-16<br>(20-6 AWG) | 4-13 | 10006798 | 10062016                    |



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

**NEW**

# CRIMPING TOOLS

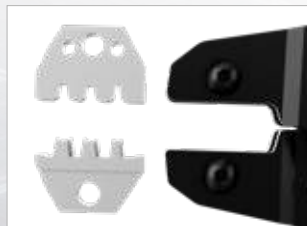
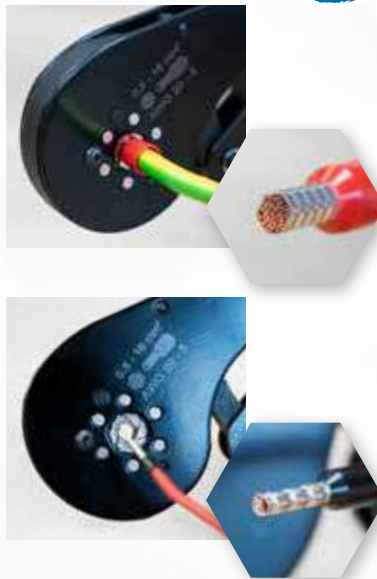
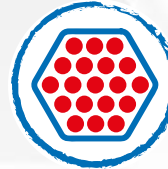
The crimp tools were developed for the reliable crimping of various electrical connections. These tools have a ratchet mechanism with a blocking device to ensure a consistently high crimping quality and results that can be precisely repeated. The accurate eccentric setting ensures a high crimping quality thanks to the precisely adjustable crimping force.

**16 mm<sup>2</sup> HEX NEW**

hexagonal crimp facilitates insertion into round terminals

- ▶ precise work thanks to ratchet mechanism with blocking device
- ▶ process-safe crimping – tool only opens after the crimping process
- ▶ emergency release in the handle (in the event of misuse)
- ▶ working range from 0.5-16 mm<sup>2</sup> (AWG 20-5)
- ▶ serrated dies made from multi-hardened carbon steel
- ▶ eccentric setting for precisely adjustable crimping force
- ▶ comfortable feel thanks to 2-component handles

| mm  | g   | mm <sup>2</sup>      | Art.-No. |
|-----|-----|----------------------|----------|
| 222 | 586 | 0.5-16<br>(20-5 AWG) | 10100513 |



**MC4 NEW**

For all standard solar connectors MC4 | 2.5 / 4 / 6 mm<sup>2</sup>

- ▶ precise work thanks to ratchet mechanism with blocking device
- ▶ process-safe crimping – tool only opens after the crimping process
- ▶ emergency release in the handle (in the event of misuse)
- ▶ modular Multi Change System for quick module changes
- ▶ eccentric setting for adjusting the crimping force
- ▶ comfortable feel thanks to 2-component handles

| mm  | g   | Art.-No. |
|-----|-----|----------|
| 180 | 378 | 10100514 |

**Module**

|     |                                      |  |  |
|-----|--------------------------------------|--|--|
| 102 | 2.5/4/6 mm <sup>2</sup><br>14-10 AWG |  |  |
|-----|--------------------------------------|--|--|



Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other





**Multi NEW**

**Universal crimp tool for various types of electrical connections**

- ▶ precise work thanks to ratchet mechanism with blocking device
- ▶ process-safe crimping – tool only opens after the crimping process
- ▶ emergency release in the handle (in the event of misuse)
- ▶ set of 3: modules for MC4 connectors/insulated wire end ferrules/insulated cable lugs
- ▶ modular Multi Change System for quick module changes
- ▶ eccentric setting for adjusting the crimping force
- ▶ comfortable feel thanks to 2-component handles

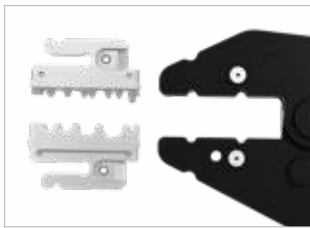
| mm  | g   | Art.-No. |
|-----|-----|----------|
| 180 | 378 | 10100515 |

| Interchangeable insert | Module number 100 | 0.25-2.5 mm <sup>2</sup><br>24-14 AWG |  |  |
|------------------------|-------------------|---------------------------------------|--|--|
|                        | Module number 101 | 0.25-6.0 mm <sup>2</sup><br>24-10 AWG |  |  |
|                        | Module number 102 | 2.5/4/6 mm <sup>2</sup><br>14-10 AWG  |  |  |



**Storage**

- ▶ safe storage of the modules in a box
- ▶ faster access to the modules
- ▶ dust-protected storage



**ERGO NEW**

**Universal and ergonomic crimp tool for various types of electrical connections**

- ▶ precise work thanks to ratchet mechanism with blocking device
- ▶ process-safe crimping – tool only opens after the crimping process
- ▶ emergency release in the handle (in the event of misuse)
- ▶ set of 3: modules for MC4 connectors/insulated wire end ferrules/insulated cable lugs
- ▶ modular Multi Change System for quick module changes
- ▶ eccentric setting for adjusting the crimping force
- ▶ comfortable feel thanks to 2-component handles

| mm  | g   | Art.-No. |
|-----|-----|----------|
| 239 | 534 | 10100516 |

| Interchangeable insert | Module number 200 | 0.5-6 mm <sup>2</sup><br>22-10 AWG    |  |  |
|------------------------|-------------------|---------------------------------------|--|--|
|                        | Module number 201 | 0.25-6.0 mm <sup>2</sup><br>24-10 AWG |  |  |
|                        | Module number 202 | 2.5/4/6 mm <sup>2</sup><br>14-10 AWG  |  |  |



**Storage**

- ▶ safe storage of the modules in a box
- ▶ faster access to the modules
- ▶ dust-protected storage





# SOLAR

## SPECIAL TOOLS

For the stripping and skinning of common photovoltaic cables such as H1Z2Z2-K with a cross-section of 1.5 - 10 mm<sup>2</sup>

1.5-10 mm<sup>2</sup>  
Especially for  
the solar sector  
16-8 AWG



**Side cutter**  
▶ powerful integrated side cutter up to 3 mm Cu/AL

**Safety**  
▶ locking mechanism for safe storage  
▶ tool can be closed and locked for space-saving storage

**Design and ergonomics**  
▶ 2-component handle with "ice crack" design  
▶ maximum force transmission  
▶ ergonomic and non-slip  
▶ comfortable feel

**High performance**  
▶ modular, exchangeable blades  
▶ new stripping range from 1.5-10 mm<sup>2</sup> (16-8 AWG)  
▶ galvanised, hardened blades  
▶ suitable for all photovoltaic wires e.g. H1Z2Z2-K 1.5 to 10 mm<sup>2</sup>

**Precision and efficiency**  
▶ precise working thanks to adjustable length stop  
▶ extended setting from 5-25 mm  
▶ smooth-running, wear-resistant mechanism

**Protection**  
▶ integrated eyelet for attaching a drop guard

**Individualisation**  
▶ optional customisation of the tool with an individual name or number



### Wire Stripper No. 5 Solar Pro

| mm  | g   | mm <sup>2</sup>   | Art.-No.                     |
|-----|-----|-------------------|------------------------------|
| 160 | 155 | 1.5-10 (16-8 AWG) | <b>LED-Set:</b> 10101938     |
| 160 | 140 | 1.5-10 (16-8 AWG) | <b>Without LED:</b> 10067897 |



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other

Note: Working with WEICON Stripping Tools is only permitted on zero-potential, non-current-carrying cables and conductors.





1,5-10 mm<sup>2</sup>  
Increased stripping range  
16-8 AWG



Video



### Wire Stripper No. 7 Solar

- ▶ automatic wire stripper with scanning system
- ▶ precise work with visual length scale (up to 28 mm)
- ▶ integrated, well accessible side cutter up to 3 mm Ø
- ▶ special reinforced and hardened blades

| mm  | g   | mm <sup>2</sup>                   | Art.-Nr. |
|-----|-----|-----------------------------------|----------|
| 170 | 218 | 1.5-10 mm <sup>2</sup> (16-8 AWG) | 10025011 |



**NEW**  
**Crimping Tool MC4**  
For all standard solar connectors  
MC4 | 2.5 / 4 / 6 mm<sup>2</sup>  
page 220

**NEW**  
**MC4 Solar Spanner**  
For mounting solar panels  
with MC4 connections  
page 227



Videos



### Mini-Solar

- ▶ for all common solar cables such as H1Z2Z2-K
- ▶ three different versions for three top-performing areas of use from 1.5 to 16 mm<sup>2</sup>
- ▶ powerful integrated side cutter up to 10 mm<sup>2</sup>

| mm  | g  | mm <sup>2</sup>     | Art.-Nr. |
|-----|----|---------------------|----------|
| 125 | 58 | 1.5/2.5 (16/14 AWG) | 10065750 |
| 125 | 58 | 4/6 (12/10 AWG)     | 10065752 |
| 125 | 58 | 10/16 (8/6 AWG)     | 10065754 |





# SPECIAL TOOLS

For a series of unusual applications, we provide you with special tools which meet these requirements. Whether it is the dismantling of large cable diameters, tools for the solar industry or working on high voltage cables, WEICON TOOLS has the solution!

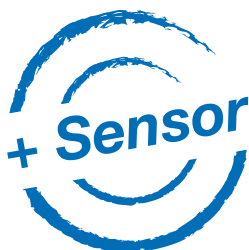
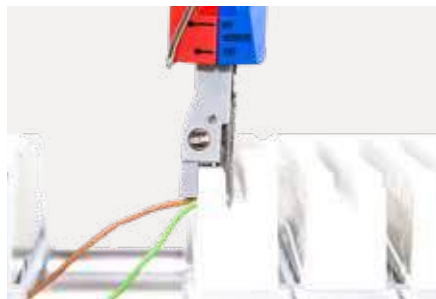
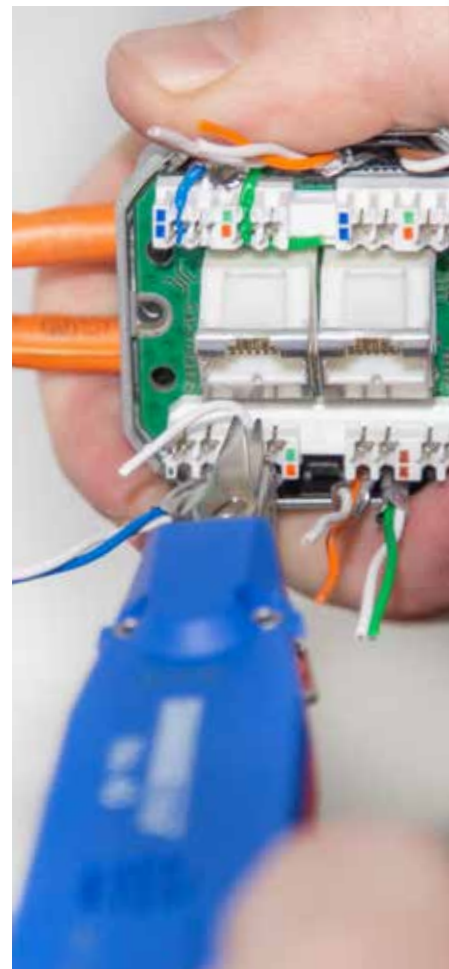


## LSA Sensor No. 40

For the solderless, screwless and no-stripping inserting and simultaneously cutting of wire ends into LSA punch-down blocks

- ▶ with built-in retractable hook and unlocking blade
- ▶ for conductor diameters 0.35-0.9 mm and wire diameters 0.7-2.6 mm
- ▶ has a sensor for tracing the wire end position

| mm  | g  | Ømm      | Art.-No. |
|-----|----|----------|----------|
| 185 | 60 | 0.35-0.9 | 10054013 |



Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



**Electrician Scissors XL NEW**

**Cutting - stripping - crimping**

- ▶ high cutting performance
- ▶ large diameter to ensure safe and easy use – suitable for small and large hands
- ▶ blades made of special stainless steel
- ▶ secure screw joint that can be readjusted if necessary
- ▶ a safety box is included for safe storage



| mm  | g   | Cu/Al                          | Art.-No. |
|-----|-----|--------------------------------|----------|
| 160 | 117 | <math>< 50 \text{ mm}^2</math> | 10100025 |



**CUTTING  
STRIPPING  
CRIMPING**



**+ Crimping**

**Cable Scissors No. 35**

**Cutting - stripping - crimping**

- ▶ 2-component handles for increased safety
- ▶ high cutting performance
- ▶ blades made of special stainless steel

| mm  | g  | Cu/Al                          | Cu/Al                          | Art.-No. |
|-----|----|--------------------------------|--------------------------------|----------|
| 150 | 90 | <math>< 35 \text{ mm}^2</math> | <math>< 50 \text{ mm}^2</math> | 10039667 |



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
Other

# SPECIAL TOOLS

## Cable Stripper No. 4 - 29 Spiral

round, longitudinal and circular cutting for soft and rigid cable insulations

- ▶ for all common round cables from 4.5-29 mm Ø
- ▶ cutting depth can be set comfortably from 0-3 mm with lockable control knob in 0.1 mm steps

| mm  | g   | Ømm    | Art.-No. |
|-----|-----|--------|----------|
| 140 | 136 | 4.5-29 | 10058056 |



**+ Spiral Cut**

VIDEO



ROUND CUT



LONGITUDINAL CUT



SPIRAL CUT



## Cable Stripper H.D. No. 1000

1.000 V  
IEC: 60900



Working with voltage up to 1000 Volt\*  
Unit testing according to DIN EN 60900

- ▶ quick cutting of cables with multiple insulations
- ▶ conductor protection with the curved blade tip
- ▶ good transfer of force due to optimised handle shape

| mm  | g  | Art.-No. |
|-----|----|----------|
| 215 | 93 | 10006865 |

\*Tools with safety insulation are basic prerequisites for working on live wires and parts.  
Please always pay attention to the legal regulations and follow the corresponding safety advice!

## Dismantling Tool No. 25

For convenient longitudinal and circular cuts

- ▶ safe working thanks to concealed blade
- ▶ wire protection thanks to rounded blade tip
- ▶ easy working even in low temperatures
- ▶ precise, durable, replaceable turning blade

| mm  | g   | Ømm    | mm       | Art.-No. |
|-----|-----|--------|----------|----------|
| 210 | 163 | >25 mm | 0-5,0 mm | 10034292 |



Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other





**Multi-Opener**

The ideal tool for the gentle opening of sensitive equipment and dismounting of clipped housings

- ▶ no scratching of sensitive surfaces
- ▶ dissipative ESD material protects against electrostatic discharge
- ▶ flexible fibreglass-reinforced polyamide
- ▶ stainless steel blade to remove adhesive residues

| mm  | g  | Surface Resistance    | Art.-No. |
|-----|----|-----------------------|----------|
| 180 | 22 | approx. $10^9 \Omega$ | 10044966 |



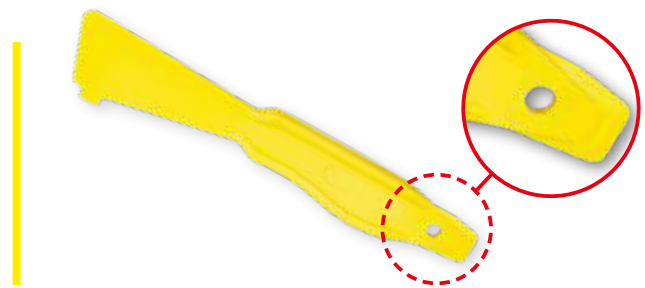
**Easy Opener®**



Special tool for the gentle disassembly of sensitive components without damaging the material

- ▶ ideal for loosening switches, luminaires or similar components
- ▶ flexible and stable at the same time
- ▶ three surfaces with different material thickness

| mm  | g  | Art.-No. |
|-----|----|----------|
| 180 | 22 | 10049687 |



**MC4 Solar Spanner NEW**

Set of 2

- ▶ solar spanner made of fibreglass-reinforced plastic
- ▶ universal tool for mounting solar panels with MC4 connections
- ▶ suitable for: MC4 connectors
- ▶ with integrated unlocking tool for solar connectors

| mm  | g  | Art.-No. |
|-----|----|----------|
| 135 | 42 | 10101299 |



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

# TOOL SETS

With our tool sets, we can offer solutions for almost all industries and many different applications.

## Crimp-Set Pro

Allround equipment for crimping with wire ends

- Duo-Crimp No. 300
- Wire Stripper No. 7 Magic
- high-quality shaker with 400 wire ends
- (0.5-2,5 mm<sup>2</sup>) according to DIN 46228



| mm<br>Length x Width x Height | g   | Art.-No. |
|-------------------------------|-----|----------|
| 340 x 280 x 55                | 950 | 10039670 |

## Starter-Set Pro

Ideal selection for house installation

- Wire Stripper No. 5
- Coax-Stripper No. 2
- Cable Stripper No. S 4-28
- Round Cable Stripper No. 13



| mm<br>Length x Width x Height | g   | Art.-No. | Green Line<br>(s. page 205) |
|-------------------------------|-----|----------|-----------------------------|
| 255 x 210 x 60                | 575 | 10035247 | 10062018                    |



## Electrical Installation Set 1

- Duo-Crimp No. 300
- Round Cable Stripper No. 13

**Art.-No.**  
10039675



## Electrical Installation Set 2

- Wire Stripper No. 5
- Cable Stripper No. S 4-28

**Art.-No.**  
10039676



## Electrical Installation Set 3

- Wire Stripper No. 5
- Coax-Stripper No. 2

**Art.-No.**  
10039677



## Electrical Installation Set 4

- Wire Stripper No. 5
- Round Cable Stripper No. 13

**Art.-No.**  
10039678





**Wire Stripper No. 5 Pro  
LED Set **NEW****

- Wire Stripper No. 5 Pro
- LED Work Light

**Art.-No.**

10101937



**Wire Stripper No. 5  
LED Set **NEW****

- Wire Stripper No. 5
- LED Work Light

**Art.-No.**

10101936



**Wire Stripper No. 5 Solar Pro  
LED Set **NEW****

- Wire Stripper No. 5 Solar Pro
- LED Work Light

**Art.-No.**

10101938



**Wire Stripper No. 5 Green Line  
LED Set **NEW****

- Wire Stripper No. 5 Green Line
- LED Work Light

**Art.-No.**

10101947

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

# SPARE PARTS

| Art.-No. | Name   | PU |  | Art.-No. | Name  | PU |  |
|----------|--|----|--|----------|---|----|--|
| 10021379 | Spare blade for Cable Stripper series S 4-28 and Flat and Round Cable Stripper<br><i>Inner blade</i> | 1  |  | 10033650 | Spare blade set No. 30 Data-Strip<br><i>1 blade + adjusting screw</i> | 1  |  |
| 10101942 | Spare blade for Cable Stripper S 4-28 Spiral<br><i>Inner blade</i>                                   | 1  |  | 10006926 | Spare blade set for No. 150 / No. 200 / No. 300                       | 1  |  |
| 10002962 | Spare blade for Cable Strippers<br><i>Inner blade</i>  | 1  |  | 10035161 | Spare blade for Dismantling Tool No. 25<br><i>Double edge blade</i>   | 1  |  |
| 10002680 | Spare blade for No. 200<br><i>Inner blade</i>  | 1  |  | 10058057 | Spare blade for Cable Stripper 4-29 Spiral                            | 1  |  |
| 10000288 | Spare blade set No. 5/No. 6<br><i>2 blades + 1 screw</i>   | 1  |  | 10039790 | Hook knife for No. 16<br><i>1 hook knife + 1 slider + 1 screw</i>     | 1  |  |
| 10062071 | Spare blade set No. 5 Pro  | 1  |  | 10051145 | Inserts for No.1 F Plus 6/4   | 6  |  |
| 10067899 | Spare blade set No. 5 Solar Pro  | 1  |  | 10051147 | Inserts for No.1 F Plus 6.5/6.5                                       | 6  |  |
| 10018335 | Spare blade set No. 7 Magic<br><i>2 blades + 4 screws</i>  | 1  |  | 10055661 | Inserts for No.1 F Plus 6/4   | 6  |  |
| 10017069 | Spare blade set No. 7-F<br><i>2 blades + 4 screws</i>  | 1  |  | 10062264 | Module inserts for Fibre Optic Tubes No. 2                            | 1  |  |
| 10025713 | Spare blade set No. 7 Solar  | 1  |  | 10062266 | Module inserts for Profibus Stripper No. 2                            | 1  |  |

# ACCESSORIES

| Art.-No. | Name  | PU |  | Art.-No. | Name  | PU |  |
|----------|---|----|--|----------|---|----|--|
| 10100517 | LED Work Light Red<br><i>suitable for No. 5, No. 5 Pro, No. 5 Solar Pro, No. 7 Magic, No. 7F, No. 5 Classic</i>   | 1  |  | 10101331 | 3-piece Crimping Set MULTI<br><i>suitable for Crimping Tool Multi und Crimping Tool MC4</i> | 1  |  |
| 10101948 | LED Work Light Black<br><i>suitable for No. 5, No. 5 Pro, No. 5 Solar Pro, No. 7 Magic, No. 7F, No. 5 Classic</i> | 1  |  | 10101327 | 3-piece Crimping Set ERGO<br><i>suitable for Crimping Tool ERGO</i>                         | 1  |  |
| 10101299 | MC4 Solar Spanner<br><i>Set of 2</i>  | 12 |  |          |   |    |  |



# PRODUCT PRESENTATION



**Display Green Line**

10062063



**WEICON TOOLS Display**  
approx. 48 cm x 162 cm x 46 cm

10034642



**Roll Up**  
approx. 85 cm x 200 cm

10039134



**Roll Up V1**  
DE/GB

10062471

**Roll Up V2**  
DE/GB

10062472

**WEICON TOOLS Display**  
with LED lightning

10037602

## Stickers



## Posters



**Foam Display without tools**  
approx. 20 cm x 21\*/26\* cm x 30 cm

10056646

*Example: 12x Dismantler  
\*depending on the size of the  
packaging*



**Foam Display without tools**  
approx. 15 cm x 23 cm x 30 cm

10056645

*Example: 6x Wire Stripper*

The cable types shown in the table below are only meant to give an overview of the potential application areas of our tools. WEICON TOOLS can also be used on similar cable types in many cases, of course.

Furthermore, the application suggestions depend on the material, application area and working range. Our tool recommendation is only a suggestion due to the various materials used by cable manufacturers.

# CABLE OVERVIEW

| Category  | Cable | Wire diameter<br>Example type | Name   | Suggested application<br>Dismantling  | Suggested application<br>Stripping  |
|---|-------|-------------------------------|--|---|---|
| Installation Lines<br>(solid conductors)              |       | <br>(N)YM                     | PVC coated conductor                             | All Cable Strippers, No. 13, No. 16, No. 100, No. 200, No. 400, No. 7 Magic | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 400, No. 200   |
|   |       | <br>NHXMH                     | Halogen-free sheathed cable (PVC-free)           | All Cable Strippers, No. 13, No. 16, No. 100, No. 200, No. 400, No. 7 Magic | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 400, No. 200   |
|   |       | <br>NI2XY                     | Installation line (concrete line)                | All Cable Strippers, No. 13, No. 16, No. 100, No. 200, No. 400, No. 7 Magic | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 400, No. 200   |
|   |       | <br>H05V-U                    | PVC single wire core conductor                   | ---   | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 400   |
|   |       | <br>H07V-R                    | PVC multiple wire core conductor                 | ---   | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 100   |
|   |       |                               | PVC flat twin and earth cable                    | Flat and Round Cable Stripper, No. 7-F                                      | Flat and Round Cable Stripper, No. 7-F  |
|   |       |                               | Flat rubber cable for medium mechanical loads    | Flat and Round Cable Stripper, No. 7-F                                      | Flat and Round Cable Stripper, No. 7-F  |
|   |       | <br>JB-Y(ST)Y                 | Installation cable for fire alarm systems        | No. 2 Cat, No. 10, No. 30   | No. 30  |
| Control and Electrical Lines<br>(stranded conductors) |       | <br>H05VW-F                   | PVC sheathed cable for low mechanical loads      | All Cable Strippers (working range from 4 mm), No. 3, No. 200, No. 7 Magic  | No. 2, No. 3, No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 400                           |
|   |       | <br>H05RR-F                   | Rubber tube conductor for light mechanical loads | All Cable Strippers, No. 7 Magic, No. 13, No. 16, No. 100, No. 200, No. 400 | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 400   |
|   |       | <br>(N)FLG6u                  | Rubber control line                              | All Cable Strippers, No. 7 Magic, No. 13, No. 16, No. 100, No. 200, No. 400 | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 400   |
|   |       | <br>XYMM K3                   | PVC construction cable                           | All Cable Strippers, No. 7 Magic, No. 13, No. 16, No. 100, No. 200, No. 400 | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 400   |
|   |       |                               | PVC control line                                 | All Cable Strippers, No. 7 Magic, No. 13, No. 16, No. 100, No. 200, No. 400 | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 400   |
|   |       | <br>H05VV5-F                  | PVC control line oil resistant                   | All Cable Strippers, No. 7 Magic, No. 13, No. 16, No. 100, No. 200, No. 400 | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 400   |
|   |       | <br>H05VW-F                   | PVC hose line for medium mechanical stresses     | All Cable Strippers, No. 7 Magic, No. 13, No. 16, No. 100, No. 200, No. 400 | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 400   |
|   |       | <br>H05V-K                    | PVC fine wire core conductor                     | ---   | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 300, No. 400, Precision Wire Stripper S/ESD |
|   |       | <br>H07V-K                    | PVC wiring conductor fine wire                   | ---   | No. S 4-28 Multi, Flat and Round Cable Stripper, No. 5 Pro, No. 5, No. 6, No. 7 Magic, No. 7-F, No. 16, No. 100, No. 200, No. 300, No. 400, Precision Wire Stripper S/ESD |
|   |       | <br>LFZ-XY                    | Special PVC loud speaker cable                   | ---   | Flat and Round Cable Stripper, No. 7 Magic, No. 7-F   |



| Category  | Cable | Wire diameter<br>Example type | Name   | Suggested application<br>Dismantling   | Suggested application<br>Stripping   |
|---|-------|-------------------------------|--|--|--|
| Control and Electrical Lines<br>(stranded conductors) |       | <br>(H)03VH-H                 | PVC twin conductor   | ---  | No. 7 Magic, No. 7-F,<br>Flat and Round Cable Stripper                             |
|   |       | <br>H1Z2Z2-K                  | Solar cable  | Mini-Solar, No. 7 Solar, No. 5 Solar Pro   | Mini-Solar, No. 7 Solar, No. 5 Solar Pro   |
|   |       | <br>LiYY                      | Electronic control line  | No. 2 Cat, No. 10, No. 30  | No. 30, Precision Wire<br>Stripper S/ESD   |
|   |       | <br>SIF                       | Silicone core conductor  | ---  | No. 2, No. 3   |
|   |       | <br>H07RN-F                   | Heavy rubber hose line<br>fine-stranded                          | No. 13 Classic   | No. 5 Pro, No. 5, No. 16, No. 400,<br>No.100                                       |
|   |       | <br>H07BQ-F                   | PUR connection and<br>control cable<br>fine-stranded             | Cable Stripper No. 4-28 H,<br>Cable Stripper No. 4-29 Spiral, No.<br>13 Classic  | No. 5 Pro, No. 5, No. 16, No. 400  |
|   |       | <br>SIHF                      | Silicone connection and<br>control line                          | No. 13, No. 13 Classic, No. 16, Cable<br>Stripper No. 4-28 H   | No. 5 Pro, No. 5, No. 16, No. 400  |
| Data Cables   Fibre Optic Cables  <br>Coaxial Cables  |       | <br>RG 59 B/U                 | Coaxial cable for the transmission<br>of high frequency signals  | No. 1, No. 2, No. 3, No. 100   | No. 1, No. 2, No. 3, No. 100   |
|   |       | <br>2YALGY                    | Coaxial cable<br>(SAT compatible)                                | No. 1, No. 2, No. 3, No. 100   | No. 1, No. 2, No. 3, No. 100   |
|   |       |                               | BUS cable  | No. 2 Cat, No. 10, No. 30  | No. 30   |
|   |       |                               | Profibus   | Profibus Stripper No. 2  | ---  |
|   |       | <br>LAN 200flex               | Patch cable with film shield for<br>local networks               | No. 2 Cat, No. 10, No. 30  | No. 30   |
|   |       | <br>LAN 1000                  | Data cable (Cat 7)   | No. 2 Cat, No. 10, No. 30  | No. 30   |
|   |       | <br>A-DQ(ZN)B2Y               | Fibre optic cable /<br>Optical fibre                             | Cable Stripper No. 4-29 Spiral,<br>Cable Stripper S 4-28 Spiral,<br>Fibre Optic Tube No. 2 (of special<br>buffer tubes for fibre optic cables) | Fibre Optic Stripper   |
| Communication Lines                                   |       | <br>YYSch                     | PVC insulated<br>telecommunications sheathed<br>wire 0.6 mm      | No. 7 Magic  | No. 5 Pro, No. 5, No. 6,<br>No. 7 Magic, No. 7-F, Precision Wire<br>Stripper S/ESD |
|   |       | <br>YR                        | PVC insulated<br>telecommunications<br>sheathed wires 0.8 mm     | No. 7 Magic  | No. 5 Pro, No. 5, No. 6,<br>No. 7 Magic, No. 7-F, Precision Wire<br>Stripper S/ESD |
|   |       | <br>F-vYAY                    | Installation cable for<br>telecommunications systems             | No. 2 Cat, No. 10, No. 30  | No. 30, Precision Wire<br>Stripper S/ESD   |
|   |       | <br>JE-Y(ST)Y Bd              | Installation cable for industry<br>electronics                   | No. 2 Cat, No. 10, No. 30  | No. 30, Precision Wire<br>Stripper S/ESD   |
| Power<br>Cables                                       |       | <br>E-YY                      | PVC insulated high voltage cable,<br>single and multi-core cable | No. 25, No. 1000   | ---  |
|   |       | <br>E-AYY                     | PVC insulated cable with<br>aluminium conductor                  | No. 25, No. 1000   | ---  |

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



## Pre- and Post-treatment of Surfaces

|                      |                                   |        |  |          |
|----------------------|-----------------------------------|--------|--|----------|
| Adhesives / Sealants | Primer M 100                      | 25 ml  | Pre-treatment for bonding non-absorbent surfaces like metals, plastics, lacquered surfaces   | 10060606 |
|                      |                                   | 250 ml |  | 10023566 |
|                      | Primer K 200                      | 25 ml  | Pre-treatment for bonding non-absorbent surfaces and lacquered plastic surfaces as well as elastomers e.g. EPDM.   | 10060609 |
|                      |                                   | 250 ml |  | 10023567 |
|                      | Primer S 300                      | 25 ml  | Pre-treatment of porous and absorbent background.  | 10060610 |
|                      |                                   | 250 ml |  | 10023568 |
|                      | Primer P 400                      | 25 ml  | Pre-treatment of polyolefines e.g. TPE, PE, PP.  | 10060612 |
|                      |                                   | 250 ml |  | 10023569 |
|                      | Primer E 500                      | 25 ml  | Especially for silicone - for pre-treating non-absorbent surfaces such as aluminium, VA steel, brass, copper, zinc, tinplate and enamel, ceramic and glass as well as plastics such as ABS, PVC hard, PA6.6, GFC etc.  | 10060616 |
|                      |                                   | 250 ml |  | 10035220 |
|                      | Primer G                          | 50 g   | Special bonding agent for urethanes to pre-treat rubber and metal surfaces.  | 10057199 |
| Technical Sprays     | Activating Cleaner                | 400 ml | Cleaner and primer in one product. For the pretreatment of bonding surfaces.   | 10062859 |
|                      |                                   | 500 ml |  | 10038838 |
|                      | Smoothing Agent                   | 5 L    | The Smoothing Agent is a transparent mixture of non-ionic surface activators. Applying it makes it possible to easily and cleanly smoothe all WEICON Elastic Adhesives and Sealants such as silicone, MS polymers, polyurethane, etc. prior to skin formation. | 10039360 |
|                      |                                   | 100 ml |  | 10000128 |
|                      | Activator for RK-1300 & RK-1500   | 1 L    | Activator (100 ml pump dispenser or 1 l bottle) for processing RK cartridges and large containers.   | 10000131 |
|                      |                                   | 10 ml  |  | 10000275 |
| Technical Liquids    | CA Primer for Polyolefines        | 100 ml | Pre-treatment for bonding polyolefines in combination with WEICON Contact Cyanoacrylates.  | 10000278 |
|                      |                                   | 1 L    |  | 10000279 |
|                      | CA-Activator Spray                | 150 ml | Accelerates the curing time of WEICON Contact Cyanoacrylate Adhesives.   | 10000282 |
|                      |                                   | 1 L    |  | 10002852 |
|                      | CA-Activator Spray AC             | 150 ml | Activator for cyanoacrylate adhesive on the basis of acetone. For joints without "blooming" effect, especially with high-viscosity types and larger adhesive layers.   | 10033805 |
|                      |                                   | 1 L    |  | 10025897 |
| Assembly Pastes      | CA-Remover                        | 30 ml  | Breaks down and removes all types of cyanoacrylate adhesives. Suitable for cleaning metal parts, tools, and many other surfaces that have come into contact with cyanoacrylate adhesives.  | 10051358 |
|                      |                                   | 150 ml |  | 10067893 |
|                      | CA-Activator Spray PS             | 150 ml | Heptane-based curing accelerator for WEICON Cyanoacrylate Adhesives with pump spray head - used to wet the surfaces to be bonded.  | 10024317 |
|                      |                                   | 400 ml |  | 10024313 |
|                      | Surface Cleaner                   | 1 L    | WEICON Surface Cleaner is used for the cleaning and degreasing of surfaces to be joined or sealed with WEICON Adhesives and Sealants.  | 10025301 |
|                      |                                   | 5 L    |  | 10025288 |
| Lubricants           |                                   | 10 L   |  | 10025292 |
|                      |                                   | 28 L   |  | 10053467 |
|                      | Activator F Spray                 | 200 ml | Pre-treatment with WEICON Activator F can reduce the curing time considerably. The Activator is recommended for all passive surfaces as well as for low ambient temperatures (< +10°C/+50°C) and for large bonding gaps.                                       | 10021433 |
|                      |                                   | 1 L    |  | 10007773 |
| WEICON TOOLS®        | Mould release agent Wax P 500     | 500 g  | Wax P 500 is a release agent on a waxy basis for epoxy resins and polyurethanes. It is especially suitable for release processes from rough and/or porous surfaces.  | 10026171 |
|                      |                                   | 1 L    |  | 10026167 |
|                      | Mould release agent Liquid F 1000 | 500 g  | Liquid F 1000 is a release agent on a waxy basis for epoxy resins and polyurethanes. It is especially suitable for release processes from smooth and non-absorbent surfaces.   | 10026167 |
|                      |                                   | 1 L    |  | 10026167 |





# Ancillary Products and Accessories

## Mixing and Dosing Systems

|                                     |                    |   |          |                      |
|-------------------------------------|--------------------|---|----------|----------------------|
| Hand Dispenser D 50 10:1            |                    | Suitable for VA 2407 50 g.  | 10059295 | Adhesives / Sealants |
| Manual Dispenser                    |                    | Application aid for Easy-Mix products in 50 ml cartridge. Pusher for mixing ratios 1:1 and 2:1.   | 10101999 |                      |
| Mixing nozzle 10:1 B                | 10 g               | Suitable for VA 2407 10 g.  | 10063091 | Adhesives / Sealants |
|                                     | 50 g               | Suitable for VA 2407 50 g, Easy Mix PE-PP 45.   | 10023115 |                      |
| Easy-Mix Hand Dispenser D 50        |                    | Suitable for all Easy-Mix types and PE-PP. Not suitable for VA 2407.  | 10005237 | Technical Sprays     |
| Special Piston                      |                    | For adapting the Easy-Mix D50 dosing gun to VA 2407 50g.  | 10023341 |                      |
| Quadro Mixing Nozzle B              |                    | Quadro Mixing Nozzle suitable for Easy-Mix RK-7300, PU 90, PU 240, PU Crystal   | 10650005 | Technical Sprays     |
| Quadro Mixing Nozzle A              |                    | Quadro Mixing Nozzle suitable for Epoxy Minute Adhesive, Aluminium Minute Adhesive, Plastic-Bond Easy-Mix: RK-7000, RK-7100, RK-7100 black, RK-7200, S 50, S 50 yellow, N 50, N 5000  | 10005236 |                      |
| Helix Mixing Nozzle B               |                    | Helix Mixing Nozzle suitable for Easy-Mix RK-7300, PU 90, PU 240, PU Crystal, PE-PP 50  | 10030395 | Technical Sprays     |
| Helix Mixing Nozzle A               |                    | Helix Mixing Nozzle suitable for Epoxy Minute Adhesive, Plastic-Bond Easy-Mix: Metal, HT 180, RK-7000, RK-7100, RK-7100 black, RK-7200, S 50, S 50 yellow, N 50, N 5000   | 10026925 |                      |
| Glass Fibre Cloth Tape              |                    | Improves adhesion and pressure resistance of WEICON epoxy resins at many repair and maintenance jobs.   | 10000913 | Technical Sprays     |
| Injection Packer Set                |                    | System for gap compensation on bridges, pillars, machines, and plants. For processing gap-bridging products (WEICON Plastic Metal). The Injection Packer Set comprises a threaded nozzle R1/4"-8 PA6, one metre tube PE 10x8 mm, and a tube valve PE. Injection Packers are available in the sizes 50x30x10 mm and 50x25x25 mm. | 10057667 |                      |
|                                     |                    | <b>Injection Packer / flat</b>  | 10057731 |                      |
|                                     |                    | <b>Injection Packer / rectangular</b>   | 10057730 |                      |
| Processing Spatula                  | short (20.5 cm)    | For universal use, e. g. processing of two-component adhesives, application of epoxy pastes, removal of adhesive residues, and many others. Available in two different sizes.   | 10010887 | Technical Liquids    |
|                                     | long (25.5 cm)     |   | 10022562 |                      |
| Universal Spatula White             |                    | Special spatula for the gentle removal of the most diverse contamination and residues.  | 10039185 | Technical Liquids    |
| Contour Spatula Flexy               |                    | Versatile use, e.g. for coating and processing two-component adhesives. The spatula is perfect for applying adhesives on large or small surfaces. The spatula is made of wear-resistant polyamide.  | 10010066 |                      |
| Spiral Stirrer stainless steel      |                    | Spiral stirrer stainless steel.   | 10001978 | Technical Liquids    |
| Double Nozzle                       |                    | Multifunctional spray head for exact dosage in areas difficult to access. Suitable for more than 40 WEICON sprays.  | 10044969 |                      |
| Dosing Tips A Size 0.5              |                    | For WEICON Easy-Mix types, for even more accurate dispensing (except for HT 180, RK-7300 and PE-PP) and for the precise, meticulous and economical application of WEICON Contact  | 10068261 | Assembly Pastes      |
| Dosing Tips S Size 0                |                    | For exact, economic and point-to-point applications of WEICON Contact Adhesives.  | 10068262 |                      |
| Dosing Tips L Size 1                |                    | For exact, economic and point-to-point applications of WEICONLOCK.  | 10001256 | Assembly Pastes      |
| Cartridge Gun "Standard"            |                    | For low and medium viscosity adhesives. Suitable for standard cartridges up to 310 ml.  | 10000441 |                      |
| Cartridge Gun "Special"             |                    | Professional quality. Recommended for medium and high viscosity adhesives. Suitable for standard cartridges up to 310 ml.   | 10020751 | Assembly Pastes      |
| Compressed Air Cartridge Gun        |                    | For low and medium viscosity materials (310 ml cartridges). 1.45 kN thrust at 6.8 bar operating pressure.   | 10033114 |                      |
| Dispenser 2C 10:1                   |                    | Recommended for the 2-component 540g cartridge.   | 10057514 | Lubricants           |
| Mixing Nozzle MFHX                  |                    | Suitable for Urethane 85 and Urethane 85 SF (540-g-Cartridge), Belt Repair Kit 590 g and Belt Repair Kit SF 590 g   | 10057191 |                      |
| Cartridge Cutter                    |                    | For problem-free and safe cutting of plastic cartridge caps as well as for vertical or bevelled cutting of cartridge nozzles.   | 10022061 | Lubricants           |
| Special Mixing Nozzle               |                    | For Flex 310 M 2 K fast curing.   | 10027692 |                      |
| V-Joint Nozzle                      |                    | For all one-component standard cartridges.  | 10025241 | Lubricants           |
| Primer Applicator                   |                    | For application of WEICON Primer.   | 10032350 |                      |
| Presspack Dosing Tip                |                    | Dosing tip for the WEICON products Plast-o-Seal, Flex+bond, Black-Seal and Anti-Seize in the presspack.   | 10045037 | WEICON TOOLS®        |
| Presspack Ergo Connect              |                    | Ergonomic dosing tip for WEICON Presspack products. Fatigue-free working thanks to optimised angle geometry. The two-way thread enables an application radius of 180°. Compatible with WEICON dosing tip and brush top.   | 10060345 |                      |
| Pump Dispenser WPS 1500             |                    | Refillable pump dispenser for many WEICON liquids.  | 10016002 | WEICON TOOLS®        |
| Extension Piece for WPS 1500        |                    | Plastic prolongation 30 cm with nozzle 0,8mm (plastic).   | 10016213 |                      |
| Gasket Kit Viton                    |                    | Gasket Kit Viton for Pump Dispenser WPS 1500 V  | 10023969 | WEICON TOOLS®        |
| Pressurized-Air Spray Can WSD 400   |                    | Pressurized-Air Spray Can - refillable.   | 10009301 |                      |
| Spray Valve Set for WSD 400         |                    | Valve Set (four different valves and a ball valve with dip tube).   | 10009303 | WEICON TOOLS®        |
| Adapter for WSD 400                 |                    | Adapter for filling from the compressed-air mains.  | 10000393 |                      |
| Pump Dispenser "Standard"           |                    | For all WEICON Technical Liquids which are free of solvents and mineral oil.  | 10000401 | Other                |
| Pump Dispenser "Special"            |                    | For WEICON Cleaner S, Brake Cleaner and Rust Loosener.  | 10000402 |                      |
| Adjusting Valve for Cans            | 5 and 10 L<br>28 L | For the exact dosage of WEICON Technical Liquids from the can.  | 10000398 | Other                |
| Presspack Brush Top                 |                    | WEICON Presspack brush top for Anti-Seize.  | 10045486 |                      |
| Brush 35 long, adhesive             |                    | Natural bristles 46 mm, for viscous materials   | 10065455 |                      |
| Brush 35 short, flat, Plastic Metal |                    | Natural bristles 24 mm, for flowable materials  | 10059417 |                      |
| Brush 60 short, flat, Plastic Metal |                    | Natural bristles 24 mm, for flowable materials  | 10068373 |                      |



## Floor and Foam Displays

Equipment suggestion. Supply of the displays is without products.



**Display WEICONLOCK Pen**  
approx. 50.5 cm x 221 cm

10029306



**Floor Display Universal**  
approx. 39 cm x 48 cm x 180 cm

10048664



**Display Green Line**  
approx. 50.5 cm x 233 cm

10062063



**WEICONLOCK**  
30 x 50 ml oval

10031334



**WEICONLOCK**  
50 ml half oval

10049506



**CA 30 g/WEICONLOCK 20 ml**  
half oval

10049503



**Cartridges 310 ml**  
half oval

10049502



**Mini tube-shaped bag 85 ml**  
rectangular

10101788

Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other



# Product Presentation



**WEICON TOOLS Shelf System**  
approx. 48 cm x 162 cm x 46 cm

10034642

**WEICON TOOLS Shelf System with LED-light**

10037602

## Counter Displays



### Display Sprays

approx. 20.5 cm x 48.7 cm x 35 cm  
500 ml Spray 10036464  
400 ml Spray 10034409

Inlay 400 ml  
Multi Foam 10034614  
Citrus Cleaner 10034613  
AT-44 10034612  
W 44 T 10034611  
Surface Cleaner 10034610  
Silicone Spray 10034609  
Zinc-Spray bright grade 10034608  
Rust Converter 10049832

Inlay 500 ml  
W 44 T 10045852  
Industrial Cleaner 10056600  
Cleaner Spray 10039890



### Sales Display Double Syringe 12 pcs

approx. 20 cm x 15 cm x 3 cm  
10102032

### Sales Display Double Syringe 24 pcs

approx. 30 cm x 20 cm x 3 cm  
10102033

## Roll-Ups

approx. 85 cm x 200 cm



**Roll Up WEICON Chemie**

10026739



**Roll Up WEICON TOOLS**

10039134



**Roll Up V1 DE/GB**

10062471

**Roll Up V2 DE/GB**

10062472

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

## Product Presentation



Equipment suggestion. Supply of the displays is without products.

## Brochure Display Stand and Foam Displays



Various displays are available for our wide range of products. **Get in touch with us for more information!**



Our  
Download-Center



# Product Presentation

## Application areas



Agricultural Technology



Building Trades



Mining



Stainless Steel



Electrical Installation



Energy Technology



Automotive and  
Transport



Rubber and Plastic  
Industry



Hydraulics and  
Pneumatics



Maintenance



Food, Pharmaceutical  
and Cosmetic Industry



Mechanical Engineering



Oil and Gas



Marine Industry



Tooling, Model and  
Mould Making Industry



Occupational Safety and  
Process Optimization



Drive and Conveyor  
Technology



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

# REFERENCES | CERTIFICATES

Excellent quality, technology, safety, services  
and an outstanding employer – that’s what sets us apart!



First place top employer among medium-sized companies | TÜV Rheinland | ISEGA | NSF | DNV | ISSA | IMPA |  
TÜV Nord | DVGW | BAM | Bundespreis 2000 | AGA | Hygienic assessment in contact with water |  
Supplier of the year 2021 | WRAS | ABS | RINA | VDI | MED

Adhesives / Sealants  
Technical Sprays  
Technical Liquids  
Assembly Pastes  
Lubricants  
WEICON TOOLS®  
Other





Adhesives / Sealants

Technical Sprays

Securing the transport of an oil rig with WEICON Plastic Metal RFC, a specially developed type for extreme requirements in the offshore sector.

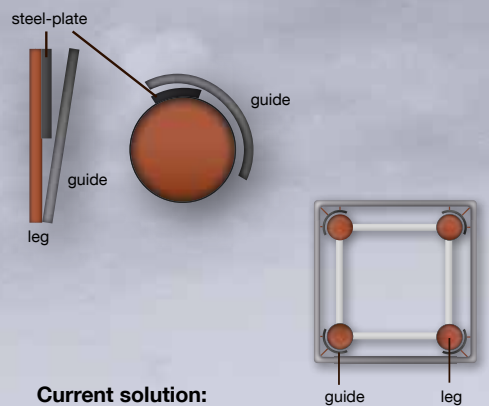
1,500-2,000 kg of WEICON Plastic Metal RFC are used for each transport job.

Technical Liquids

## Transport of an oil rig

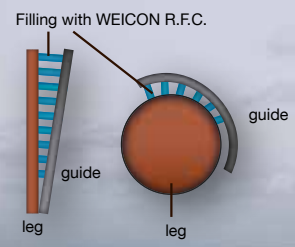
Assembly Pastes

Previous solution:



Lubricants

Current solution:



WEICON TOOLS®

Other





# BIKE CARESET

- ☑ clean your bike
- ☑ lather thoroughly
- ☑ clean your bicycle drive
- ☑ polish your bike
- ☑ oil your bike chain
- ☑ protect screw connections
- ☑ secure screws

13 products

4 products

3 products



Art.-No. 10057749

Art.-No. 10059210

Art.-No. 10058161



Adhesives / Sealants  
 Technical Sprays  
 Technical Liquids  
 Assembly Pastes  
 Lubricants  
 WEICON TOOLS®  
 Other







# Green Line®



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