



WEICON Solutions for

# Mechanical Engineering



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

V 2.23



## WEICONLOCK® - Anaerobic Adhesives and Sealants

Especially made for economical threadlocking, retaining and sealing of threaded, cylindrical and pipe assemblies. After the curing, it provides a shock- and vibration-resistant joint with excellent

resistance to chemicals and solvents from -60°C to +200°C (-76°F to +392°F).

### AN 302-43

- threadlocking
- drinking water and DVGW approval

higher viscosity  
medium strength  
disassembly with normal tools

50 ml ✓  
10017876

### AN 302-60

- threadlocking
- drinking water approval
- for passive surfaces
- application without activator possible

medium viscosity  
high strength  
hard to disassemble

50 ml ✓  
10017878

### AN 305-18

- flange sealing for filling large gaps with immediate sealing effect
- high-temperature-resistance

high viscosity  
high strength  
hard to disassemble

50 ml ✓ 300 ml ✓  
10019941 10019591

### AN 305-42

- hydraulic and pneumatic sealing
- DVGW approval

medium viscosity  
medium strength  
disassembly with normal tools

50 ml ✓  
10017877

### AN 305-72

- pipe and flange sealing with PTFE
- immediate sealing effect
- drinking water and DVGW approval

high viscosity  
high strength  
hard to disassemble

50 ml ✓ 300 ml ✓  
10019943 10026707

### AN 305-77

- thread sealing
- drinking water and DVGW approval

high viscosity  
medium strength  
disassembly with normal tools

50 ml ✓ 300 ml ✓  
10019949 10034148

### AN 306-38

- adhesive for bearings and bolts
- for bearings, bushings, bolts and gear wheels of up to 0,2 mm gap

medium viscosity  
high strength  
hard to disassemble

50 ml ✓  
10017888

### AN 306-10

- retaining cylindrical assemblies for passive materials

medium viscosity  
high strength  
hard to disassemble

50 ml ✓  
10017883

BAM tested and safety-related evaluated according to leaflet M 031-1  
"List of non metallic materials compatible with oxygen"  
(DGV information 213-078) of BG RCI



## Plast-o-Seal®

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

90 g ✓	120 g ✓	230 g ✓	300 g ✓
10014387	10014388	10039427	10014389
Tube	Brushtop can	Press pack	Cartridge



## Threadlocking Varnish

- protection and security against manipulation
- good adhesion on almost all kinds of material
- removable and water resistant

30 g ✓	30 g ✓	30 g ✓
10038882	10038883	10038884
red	yellow	green
60 g ✓	60 g ✓	60 g ✓
10047481	10047485	10046906
red	yellow	green





# WEICON Solutions for Mechanical Engineering

## Elastic Adhesives and 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.

### Flex 310 M® Classic

- free of isocyanate and solvents
- suitable for universal use
- free of silicone
- LFGB- und ISEGA certified



310 ml ✓	310 ml ✓	310 ml ✓
10002576	10010026	10010024
white	grey	black

### Flex 310 M® HT 200

- ideal for powder coating
- temperature resistant from -40°C to +200°C (-40°F to +392°F)

310 ml ✓
10031149
grey

### Gasket Maker

- strong and permanently elastic special sealant
- excellent temperature, oil and grease resistance
- pressure- and aging-resistant
- UV-stable and permanently elastic

310 ml ✓	310 ml ✓
10049930	10049931
red	black



### Flex+bond®

- good adherence on almost all materials
- free of isocyanate and silicone ✓
- resistant to ageing
- free of solvents

85 ml ✓	85 ml ✓
10018364	10012994
transparent	white
85 ml ✓	85 ml ✓
10014356	10012995
black	grey



**NEW** Now in a mini tube-shaped bag

- ✓ easier application
- ✓ simple to use
- ✓ improved shelf life
- ✓ reduction of packaging waste



Erhöhte Lagerstabilität  
**+18** Monate  
Longer shelf life

### Black-Seal

- extremely resistant against oil and grease
- high-temperature-resistant (+280°C/+536°F)
- for bonding and sealing

85 ml ✓	200 ml ✓	310 ml
10022222	10000763	10022221
Tube	Press pack	Cartridge



## Contact – Cyanoacrylate Adhesives

WEICON Contact are instant adhesives, free of solvents. They connect various materials with and among each other, e.g. metal, glass, wood, plastic, ceramic, leather and rubber.

### VA 250 Black

- high peel and impact resistance
- residual elasticity
- high-temperature-resistant -55°C to +140°C (-67°F to +284°F)

30 g ✓
10016400



### VA 1401

- fast-curing
- universal type for the bonding of metals, plastics and rubber
- temperature-resistant from -50°C to +120°C (-5°F to +248°F)

30 g ✓
10016402



Nonfood Compounds  
Program Listed S4  
Registration 162959



### WEICON O-Ring Bonding Set

#### Content:

- 10025827 **Contact VA 30 Black** 12 g
- 10024317 **Surface Cleaner** 150 ml
- 10000275 **Contact Primer** 10 ml
- 10045522 **WEICON Cutter-knife**
- 1 m round cord (NBR) each:**
- Ø 2, 3, 4, 6 und 8 mm

Set ✓
10034766

For further packing sizes and detailed information on WEICON products, please visit our website [www.weicon.com](http://www.weicon.com)



## Plastic Metal

WEICON Plastic Metal is ideal for providing fast, cost effective and durable repairs, bondings and coatings to many different types of material.



European Exhibition Award for creativity and innovation

### WEICON SF



- pasty, steel-filled
- for quick repairs (5 min. pot-life)
- certified by DNV

0,5 kg ✓

10000071

2,0 kg ✓

10000072

### WEICON HB 300



- steel-filled
- pasty, spreadable
- high-temperature-resistant from -35°C to +280°C (-31°F to +536°F)

1,0 kg ✓

10000099

### WEICON CBC



- very liquid, self-levelling
- permanent high static strength
- chemical-resistant and vibration-proof

3,0 kg ✓

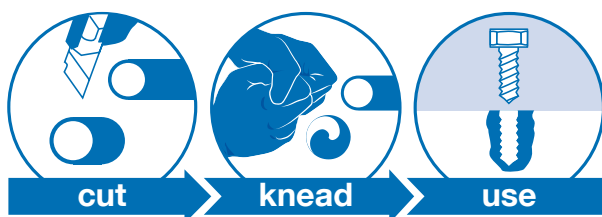
10045020

10,0 kg ✓

10045019

## Repair Sticks

The simple solution for all repair and maintenance works. Easy to use. Ready to use, can be easily cut into small amounts for minor repairs at any time.



### Titanium

- wear resistant
- colour after curing: grey-green
- temperature resistant up to +280°C/536°F

57 g ✓

10011973

115 g ✓

10011970

### Steel



- fast-curing
- colour after curing: dark-grey
- NSF approval for drinking water ANSI Standard 61

57 g ✓

10010241

115 g ✓

10007705

## Epoxy Adhesives Easy-Mix HT 180 and HT 250



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

### HT 180



- High temperature resistance
- steady
- shock- and impact resistant

50 ml ✓

10044884



-50°C to +180°C, briefly up to +230°C



### HT 250



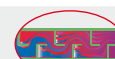
- Very high temperature resistance
- high adhesion to metals
- high thermal conductivity

50 ml ✓

10056568



-50°C to +200°C, briefly up to +250°C



Helix Mixing Nozzle  
10030395



Hand Dispenser D50  
10005237



# WEICON Solutions for Mechanical Engineering

## WEICON GMK

GMK are contact adhesives based on polychloroprene (CR) for the high-strength, full-surface and flexible bonding of:

- rubber to rubber
- rubber to metal



### GMK 2510

- 2-component adhesive
- permanently elastic and strong adhesion on many elastomers (e.g. Hypalon)
- moisture and temperature resistant

324 g ✓  
10039649

**Working package**  
(consisting of  
300g adhesive and  
24g activator)

690 g ✓  
10034480

**Working package**  
(consisting of  
650g adhesive and  
40g activator)



## Assembly Pastes

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 difficult conditions such as:

- high operating temperatures
- high pressure loads
- open air conditions

where such consequences frequently occur.

### Anti-Seize High-Tech



- metal-free
- NSF approval
- temperature resistant from -40°C to +1400°C (-40°F to +2552°F)

400 ml ✓  
10000221

Spray

400 g ✓  
10000195

Cartridge

1,0 kg ✓  
10000197

Can

### Copper Paste

- protecting, separating and lubricating agent
- for highly stressed parts
- temperature resistant from -20°C to +1100°C (-4°F to +2012°F)

400 ml ✓  
10025953

Spray

1,0 kg ✓  
10013761

Can



Assembly part in a pressure unit





## Technical Sprays and Liquids

Technical sprays and liquids are being used in almost all areas of the industry. They serve as a protection and care of surfaces,

cleaning and degreasing, lubrication, solving and releasing, and are with no doubt an indispensable part of the daily work.

### Cleaner Spray S



- powerful
- evaporates without leaving residues
- non regreasing

500 ml ✓  
10000147

5 l ✓  
10000347

### Surface Cleaner



- for pretreatment of bonding surfaces
- evaporates quickly and without leaving residues
- for metal and plastics

400 ml ✓  
10024313

5 l ✓  
10025288

### Workshop-Cleaner

- bio-degradable
- temporary corrosion protection
- free of solvents and dilutable with water (1:40 max.)

500 ml\* ✓  
10016977

5 l ✓  
10016800

\*Can only be applied with the WPS 1500



### Parts and Assembly Cleaner

- high flash point (> +60°C/+140°F)
- removes coarse, oily, resinified and greasy contamination

500 ml ✓  
10027850

5 l ✓  
10027843

### Citrus Cleaner

- universal cleaner based on citrus peel extracts
- cleans machines and systems, precision engineering components and precision mechanisms

400 ml ✓  
10032019

5 l ✓  
10033568



### AT-44 Allround-Spray

- allround-spray with PTFE super power
- fine care for all precision parts
- highly creeping capacity

400 ml ✓  
10000150

5 l ✓  
10000356



### WSD 400 Pressurized-Air Spray Can

- refillable
- made of aluminium
- container volume of 400 ml

400 ml ✓  
10009301



### Pump Dispenser WPS 1500

with EPDM-seals

10016002

Refillable plastic sprayer with special seals for approx. 1.300 ml Technical Liquid.



### Sealant and Adhesive Remover



- removes residues of cured sealants and adhesives as well as lacquers and paints
- can be used on metal, wood, glass, ceramics, PE + PP

400 ml ✓  
10026705

### Rust Loosener and Contact Spray



- excellent creeping capacity
- loosens rusted screws
- dispels water

400 ml ✓  
10023536

5 l ✓  
10000340

### Anti-Spatter Spray

- protects workpiece and gas nozzle
- for optimum welding results
- free of silicone

400 ml ✓  
10000160

5 l ✓  
10000337

### Anti-Friction Spray MoS<sub>2</sub>



- dry lubricant
- repels dust, dirt and water

400 ml ✓  
10029748

### Bio-Cut

- drilling and tapping oil
- biodegradable
- enables higher cutting performance

250 ml ✓  
10011167

400 ml ✓  
10000161

5 l ✓  
10000368





# WEICON Solutions for Mechanical Engineering

## Technical Sprays and Liquids

### Double Nozzle | Only for the 500 ml product



### W 44 T® Multi-Spray

- lubricates mechanical precision devices
- dispels moisture
- protects against corrosion

400 ml ✓  
10001023

500 ml ✓  
10039121

5 l ✓  
10007793



### Corro-Protection



- corrosion protection of metal parts for indoor storages
- permanent conservation of tools and precision components made out of metal
- transparent, TÜV-approved protection layer

400 ml ✓  
10000157

5 l ✓  
10000787

### Stainless Steel bright grade

- with stainless steel pigments
- optics correspond to treated stainless steel look
- temperature resistant from -50°C to +300°C (-58°F to +572°F)

400 ml ✓  
10032003

### Zinc-Spray



Nonfood Compounds  
Program Listed R2  
Registration 156012



- cathodic corrosion protection
- overpaintable
- >1.050 hours salt spray test according to DIN EN ISO 9227

400 ml ✓  
10000016



## WEICON Crack Testing Agent



1 Clean the surface with the Cleaner/Remover



2 Apply Penetrant and allow to react



3 Clean again to remove excess Penetrant



4 Apply Developer and perform final visual assessment

**Cleaner, Penetrant and Developer for the non-destructive material testing by way of colour penetration process**

### Cleaner/Remover ① & ③

Material-neutral special cleaner for the colour penetration test. Suitable for metals, many plastics, ceramic materials, glass etc. The suitability for plastic has to be tested in advance.

500 ml ✓  
10047463

### Penetrant ②

Red diffusion 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

### Developer ④

Colourfast special developer on solvent basis for colour penetration tests. Suitable for metals, many plastics, ceramic materials, glass etc. The suitability for plastic has to be tested in advance.

500 ml ✓  
10047462

**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. AREVA NP TLV 9017.





## 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 processes that meet, quality and safety-wise your exact requirements.

We have developed a variety of special products for the most different applications which meet the high standards of the *NSF International*.

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.



### Metal-Fluid



NSF International  
Program Listed A2  
Registration 138158

- for matt and polished surfaces
- for stainless steel, ceramics, glass, plastics, wood

400 ml ✓  
10016338



### Silicone-Fluid



NSF International  
Program Listed H1  
Registration 140238

- excellent sliding and separating effect
- temperature resistance from -30°C to +250°C (-22°F to +482°F)

400 ml ✓  
10009519



### Spray-on Grease H1



NSF International  
Program Listed H1  
Registration 148811

- white grease
- high-temperature-resistant
- odour- and tasteless

400 ml ✓  
10021359



### Bio-Fluid



NSF International  
Program Listed H1  
Registration 138153

- high lubricating effect and good creeping properties
- high-purity medical white oil

500 ml ✓  
10000158



### Rust Loosener Fluid



NSF International  
Program Listed H1  
Registration 148811

- penetrates into the smallest cavities
- secures the function of mechanical parts and electrical contacts
- protects against corrosion and oxidation

400 ml ✓  
10039111



### Top-Lube-Fluid



NSF International  
Program Listed H2  
Registration 148817

- particularly adherent and pressure-resistant
- noise-damping and water-repellent
- prevents elongation, friction and wear

400 ml ✓  
10039117



# WEICON Solutions for Mechanical Engineering



## PTFE-Fluid

- repels dirt, dust and water
- resistant against oils, greases and many chemicals
- can contribute towards the improvement of workplace safety and health protection

400 ml ✓  
10039115



## Anti-Seize High-Tech

- white assembly paste
- high-temperature-resistant
- metal-free

400 ml ✓  
10000221



## W 44 T®-Fluid

- resin and acid-free
- excellent penetration properties
- lubrication, water displacement, corrosion protection, cleaning and conservation in one product

400 ml ✓  
10039113



## Fast Cleaner

- pH-neutral and material-compatible
- can be used on many different materials such as metals, glass, ceramics and most rubbers and plastics
- can contribute towards improvements in occupational safety and health protection

500 ml ✓  
10039119



## Foam Cleaner

- powerful universal cleaner, cleans without leaving any residues
- cleans various surfaces such as metal, plastic, glass, ceramic, or varnished and coated surfaces

400 ml ✓  
10050556



**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.



## -Classifications for

### Lubricants, Release Agents and Anti-Corrosion Agents

<b>H1</b>	Lubricant with incidental food contact for use in and around food processing areas.	Anti-Seize High-Tech, Bio-Fluid, Silicone-Fluid, Spray-on Grease H1, Rust Loosener-Fluid, W44T-Fluid
<b>H2</b>	Lubricant where there is no possibility of food contact in and around food processing areas.	PTFE-Fluid, Top-Lube-Fluid

### Cleaning Agents

<b>A7</b>	Metal cleaner and polisher for nonfood contact surfaces in and around food processing areas. Odours associated with the compound must be dissipated before food products or packaging materials are re-exposed in the area.	WEICON Metal-Fluid (Technical Liquid) WEICON Metal-Fluid (Spray)
<b>C1</b>	Cleaner for use in inedible product processing areas. Treated equipment that will be returned to a food processing area must be completely washed off and rinsed with potable water.	WEICON Metal-Fluid (Spray)
<b>A1</b>	General cleaner for surfaces in and around food processing areas, where its use is not intended for direct food contact. A potable water rinse of cleaned surfaces is required after use of this product.	WEICON Fast Cleaner



## WEICON TOOLS®

Since 1967 we develop, produce and distribute an extensive range of wire stripping tools. This includes cable strippers, wire strippers, dismantling and multi-functional tools. Our tools have been developed for accurate, fast and safe stripping of all common cable types. They carry the GS seal of TÜV Nord and were developed under the aspects of work safety. The tools are specifically tailored to the needs of professional users, are found in both, crafts and industrial use and are also suitable for domestic use.



### Wire Stripper No. 5

- for finely stranded and solid conductors with PVC insulation
- for all common conductors from 0,2 - 6 mm<sup>2</sup> (24 - 10 AWG)



mm	g	mm <sup>2</sup>	Ømm	Art.-No.
170	107	0,2 - 6 (24 - 10 AWG)	-	10006786



### Wire Stripper No. 7 Magic

- for finely stranded and solid conductors with PVC insulation
- for all common round cables from 0,5 - 16 mm<sup>2</sup> (20 - 6 AWG flexible) (20 - 8 AWG massive)



mm	g	Round cables	mm <sup>2</sup>	Art.-No.
170	217	flexible solid	0,5 - 16 (20 - 6 AWG) 0,5 - 10 (20 - 8 AWG)	10018202

### Cable Stripper No. 4-28 H

- precise and safe dismantling
- for all common conductors of 4 - 28 mm Ø
- with protection cap



mm	g	Ømm	Art.-No.
185	98	4 - 28	10012844





# WEICON Solutions for Mechanical Engineering

## Duo-Crimp No. 300

- 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>)
- integrated, well accessible side cutter up to 6 mm<sup>2</sup>



mm	g	mm <sup>2</sup>	Ømm	Art.-No.
160	116	0,5 - 6 (20 - 10 AWG)	-	10007406

## Multi-Opener



- no scratching of sensitive surfaces
- conductive ESD material protects against electrostatic discharge
- flexible fibreglass-reinforced polyamide



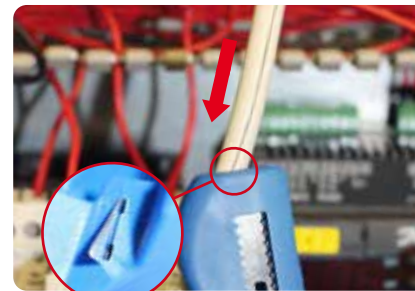
mm	g	Surface Resistance	Art.-No.
180	22	approx. 10 <sup>9</sup> Ω	10044966

## Quadro-Stripper No. 16

- circular and longitudinal cutting - stripping - cutting
- exchangeable hook blade, firmly locked in any position
- anti-slip handle shape

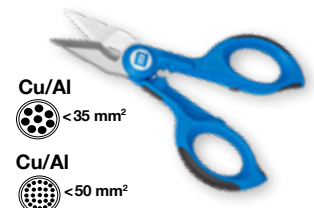


mm	g	mm <sup>2</sup>	Ømm	Art.-No.
125	53	0,5 - 6 (20 - 10 AWG)	8 - 13	10038853



## Cable Scissors No. 35

- 2-component handles for increased safety
- high cutting performance
- blades made of special stainless steel



Cu/Al  
<35 mm<sup>2</sup>

Cu/Al  
<50 mm<sup>2</sup>

mm	g	mm <sup>2</sup>	Ømm	Art.-No.
150	90	-	-	10039667

## Crimp-Set Pro

- 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	g	Art.-No.
Length x Width x Height 340 x 280 x 55	950	10039670



## Starter-Set Pro

- Wire Stripper No. 5
- Coax-Stripper No. 2
- Cable Stripper No. S 4-28
- Round Cable Stripper No. 13

mm	g	Art.-No.
Length x Width x Height 255 x 210 x 60	575	10039670



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Management  
System  
ISO 9001:2015  
ISO 14001:2015

[www.tuv.com](http://www.tuv.com)  
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WEICON Solutions for

## **Mechanical Engineering**

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