



WEICON products for the

# SOLAR SECTOR



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

V 2.24

# SOLAR ENERGY

Renewable energy systems are playing an increasingly important role today and will do so in the future. They are key to a resource-friendly and sustainable approach to nature and the environment.

Renewable energies also include solar energy, which converts the inexhaustible power of the sun into electricity that we can use. The sun's energy can be used by solar cells in photovoltaic systems, solar thermal power plants and solar collectors to generate electricity and heat.

Photovoltaics has become an important pillar of the electricity supply. Solar cells convert sunlight directly into electricity in PV systems. The resulting electricity can be used to power electrical devices, stored in batteries or fed into the public grid.

In solar thermal power plants, the sun's rays are bundled with special concave mirrors. In this way, they heat a liquid that drives a turbine, thereby generating energy.

Solar collectors convert the sun's radiation into heat which in turn heats water or buildings.

WEICON offers you a whole range of products for the solar sector. Our special tools, adhesives and sealants as well as technical sprays can be used both in production and in the installation and maintenance of photovoltaic systems, solar thermal power plants or solar collectors.



Find solutions easily  
with our  
**WEICON APP**



## Cable Scissors No. 35

cutting – stripping – crimping

- ▶ 2-component handles for more safety
- ▶ high cutting capacity
- ▶ blades made of stainless special steel

mm	g	Cu/Al	Cu/Al	Art.No.
150	90	 <35 mm <sup>2</sup>	 <50 mm <sup>2</sup>	10039667



# SPECIAL TOOLS

for the stripping and skinning of common cables in the solar sector

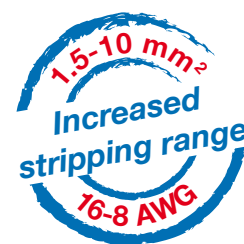


## Wire Stripper No. 7 Solar

- ▶ automatic wire stripper with scanning system
- ▶ suitable for all photovoltaic cables, e.g. H1Z2Z2-K according to EN 50618 from **1.5 to 10 mm<sup>2</sup>**
- ▶ integrated, easily accessible side cutter up to 3 mm Ø Cu/Al
- ▶ 5 different settings for precise adjustment to various insulations
- ▶ specially reinforced, galvanised and hardened blades

mm	g	mm <sup>2</sup>	Art.No.
170	218	1.5-10 (16-8 AWG)	10025011

VIDEO



## Wire Stripper No. 5 Solar Pro

- ▶ special tool for dismantling and stripping all common cables in the solar sector e.g. H1Z2Z2-K, with new stripping range from 1.5-10 mm<sup>2</sup> (16-8 AWG)
- ▶ extended setting from 5-25 mm
- ▶ powerful integrated side cutter up to 3 mm Cu/Al

mm	g	mm <sup>2</sup>	Art.-No.
160	140	1,5-10 (16-8 AWG)	10067897

VIDEO



## Mini-Solar

- ▶ 3 different models for 3 high-performing areas of work
- ▶ for all common solar cables such as H1Z2Z2-K from 1.5 to 16 mm<sup>2</sup>
- ▶ ergonomics thanks to grip zones
- ▶ precise working enabled by easily adjustable length stop from 6 to 28 mm
- ▶ powerful, integrated side cutter up to 10 mm<sup>2</sup>

Article name	mm	g	mm <sup>2</sup>	Art.No.
Mini-Solar 1.5/2.5 mm <sup>2</sup>	125	58	1.5/2.5 (16/14 AWG)	10065750
Mini-Solar 4/6 mm <sup>2</sup>	125	58	4/6 (12/10 AWG)	10065752
Mini-Solar 10/16 mm <sup>2</sup>	125	58	10/16 (8/6 AWG)	10065754

VIDEO



For the solar sector

# ADHESIVES AND SEALANTS



**AN 302-43**



**Threadlocking | drinking water and DVGW approval**

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

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

**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



**VA 2500 HT**

**Cyanoacrylate adhesive for special requirements | high-temperature resistant | high viscosity | slow curing | cures with residual elasticity | high peel and impact strength**

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

**Thread Sealing Cord DF 175**



- ▶ for all thread types (metal or plastic)
- ▶ temperature-resistant from -200 °C to +240 °C
- ▶ silicone-free
- ▶ resistant to almost all chemicals, oils and gases
- ▶ suitable for solar systems
- ▶ tested up to 45° reverse rotation
- ▶ easy handling (time saving)
- ▶ BAM\*

- ▶ Dispenser 175 m 10026655



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



## Solar-Flex®

### especially for the solar industry

WEICON Solar-Flex offers strong adhesion, is non-corrosive and can be painted over "wet on wet". It is weather-resistant, UV-resistant, free of silicone, isocyanate, halogens and solvents. Solar-Flex is an elastic adhesive based on MS polymer specially developed for the solar industry.

Both the very high initial bonding power 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

# TECHNICAL

## SPRAYS AND LIQUIDS

### Corrosion protection

#### Zinc Spray

long-lasting cathodic corrosion protection | paintable | >1050 hours salt spray test according to DIN EN ISO 9227 | NSF certification

▶ 400 ml  
10000016



#### Zinc Spray bright grade

long-lasting cathodic corrosion protection | colour matching fresh hot-dip galvanization | NSF certification

▶ 400 ml  
10000047



#### Isolation Spray

transparent insulating and finishing varnish based on acrylic resin

▶ 400 ml  
10053563



Technical sprays and liquid substances are used in almost all areas of industry.

They are used for the care and protection of surfaces, for cleaning and degreasing, lubricating, releasing and separating, and are an essential part in daily work.



#### Contact Spray

repels moisture | prevents leakage currents

▶ 400 ml  
10026740

#### Surface Cleaner

for the pretreatment of bonding surfaces

▶ 150 ml    ▶ 400 ml  
10024317    10024313

▶ 1 L        ▶ 5 L  
10025301    10025288

▶ 10 L      ▶ 28 L  
10025292    10053467



**Activating Cleaner**

Cleaner and primer in one product | for pre-treatment of adherends

Universal cleaning agent and bonding agent in one product. Specially developed for the pre-treatment of smooth surfaces, such as stainless steel, glass and plastics.

The spray is used for the optimal preparation of non-absorbent surfaces. The cleaning and activation of non-porous substrates is carried out in only one work step. The spray can improve the adhesive force of the applied adhesive if necessary.

The Activating Cleaner has a short flash-off time and can be applied quickly and easily. This makes it ideal for application in industrial series production with short cycle times or for bonding that has to be carried out at short notice.

▶ 400 ml  
10062859



**ANTI SEIZE**



ASSEMBLY PASTES

for highly stressed parts

even at high temperatures

temperature-resistant from -40 °C to + 1400 °C

protects against:

- ▶ corrosion – seizing up – wear
- ▶ stick-slip occurrence
- ▶ oxidation and fretting corrosion
- ▶ electrolytic reactions (“cold welding”)

**Anti-Seize High-Tech Assembly Spray**



metal-free

WEICON Anti-Seize High-Tech is high-temperature resistant, has excellent separating characteristics, is metal-free, neutral to materials and has NSF certification.

Anti-Seize High-Tech 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.



▶ 450 g  
10000196  
Container  
incl. brush

▶ 400 ml  
10000221  
Spray

**WEICON GmbH & Co. KG  
(Headquarters)**

Königsberger Str. 255 · DE-48157 Münster  
P.O. Box 84 60 · DE-48045 Münster  
Germany  
phone +49 (0) 251 9322 0  
WhatsApp + 49 (0) 251 9322 393  
info@weicon.de

**WEICON Production GmbH**

Vogelsrather Weg 25 · DE-41366 Schwalmatal  
Germany  
phone +49 (0) 251 9322 500  
production@weicon.de

**WEICON Middle East L.L.C.**

Jebel Ali Ind Area 1  
P.O. Box 118 216 · Dubai  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae

**WEICON Inc.**

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

**WEICON Kimya Sanayi Tic. Ltd. Şti.**

Orhan Gazi Mahallesi 16. Yol Sokak No: 6  
34538 Hadimköy-Esenyurt · Istanbul  
Türkiye  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr

**WEICON Romania SRL**

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

**WEICON SA (Pty) Ltd**

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 Pte Ltd**

7 Soon Lee Street  
#01-11 iSPACE · Singapore 627608  
Phone (+65) 6710 7671  
info@weicon.com.sg

**WEICON Czech Republic s.r.o.**

Teplická 305  
CZ-417 61 Teplice-Bystřany  
Česká republika  
phone +42 (0) 417 533 013  
info@weicon.cz

**WEICON Ibérica S.L.**

Av. de Somo Sierra 18, Nave 6  
San Sebastián de los Reyes  
28703 Madrid · Spain  
phone +34 (0) 914 7997 34  
info@weicon.es

**WEICON Italia S.r.L.**

Via Gelasio Adamoli, 35  
16141 Genova · Italy  
phone +39 010 2924 871  
info@weicon.it

**WEICON Colombia S.A.S**

Calle 19, 43b-64  
Medellín · Colombia  
phone +57 310 837 37 99  
info@weicon.co

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



Management System  
ISO 9001:2015  
ISO 14001:2015

[www.tuv.com](http://www.tuv.com)  
ID 9108636595



WEICON products for the  
**Solar sector**

Art.-No. 10067608

Distributed by:

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 applications can vary significantly beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, our advice, laboratory and practical tests do not find but if the product in question meets the requested properties, we are not liable for it. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.