



WEICON Solutions for

# Mechanical Engineering



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## 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 (-76°F) to +150°C (+302°F).



### AN 302-43 **TZW**

- Threadlocking
- DVGW and KTW approval for the drinking water sector

higher viscosity • medium strength  
disassembly with normal tools

50 ml   
30243150

### AN 302-60

- Threadlocking
- for passive surfaces
- application without activator possible

medium viscosity • high strength  
hard to disassemble

50 ml   
30260150

### 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   
30518150 30518300

### AN 305-42

- Hydraulic and pneumatic sealing
- DVGW approval

medium viscosity • medium strength  
disassembly with normal tools

50 ml   
30542150

### AN 305-72

- Pipe and flange sealing with PTFE
- immediate sealing effect
- DVGW approval

high viscosity • high strength  
hard to disassemble

50 ml  300 ml   
30572150 30572300

### AN 305-77

- Thread sealing
- DVGW approval

high viscosity • medium strength  
disassembly with normal tools

50 ml  300 ml   
30577150 30577300

### 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   
30638150

### AN 306-10

- Retaining cylindrical assemblies for passive materials

medium viscosity • high strength  
hard to disassemble

50 ml   
30610150

## Plast-o-Seal®

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

90 g 	120 g 	230 g 	300 g 
30000090	30000120	30000230	30000300
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 
30020030	30021030	30022030
red	yellow	green
60 g 	60 g 	60 g 
30020060	30021060	30022060
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



Certificate of Conformity as an adhesive in food technology

310 ml ✓ 13303310 white	310 ml ✓ 13305310 grey	310 ml ✓ 13304310 black
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### Flex+bond®

- elastic and strong
- ISEGA certified
- free of silicone



200 ml ✓ 13350200 Press pack white	200 ml ✓ 13352200 Press pack black	200 ml ✓ 13351200 Press pack grey	200 ml ✓ 13353200 Press pack transparent
85 ml ✓ 13350085 Tube white	85 ml ✓ 13352085 Tube black	85 ml ✓ 13351085 Tube grey	85 ml ✓ 13353085 Tube transparent

### Black-Seal

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

85 ml ✓ 13051085 Tube	200 ml ✓ 13051200 Press pack	310 ml ✓ 13051310 Cartridge
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### Flex 310 M® HT 200 High temperature sealant

- ideal for powder coating
- temperature resistant from -40°C to +200°C

310 ml ✓ 13655310 grey
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## 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

30 g ✓ 12600030
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### VA 1401

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

30 g ✓ 12054030
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### WEICON O-Ring Bonding Set

#### Content:

- 12603012 Contact VA 30 Black 12 g
- 11207150 Surface Cleaner 150 ml
- 12450010 Contact Primer 10 ml
- 13250000 WEICON Safety Knife
- 1 m round cord (NBR) each: Ø 2, 3, 4, 6 und 8 mm

Set ✓ 12508030
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For further packing sizes and more detailed product information, 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 Germanischer Lloyd

0,5 kg ✓ 2,0 kg ✓  
10250005 10250020

\*1 Certified by Germanischer Lloyd for the suitability of WEICON Plastic Metal SF

### WEICON HB 300

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

1,0 kg ✓  
10450010

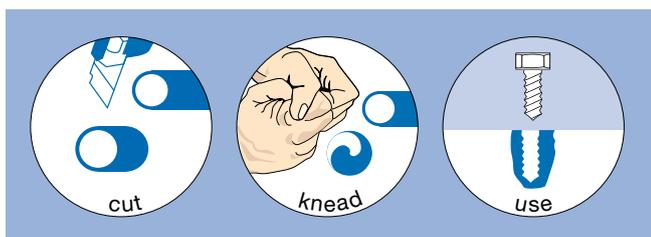
### WEICON CBC

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

3,0 kg ✓ 10,0 kg ✓  
10110030 10110110

## Repair Sticks

The easy solution for all repair and maintenance work. Simple application, always the right proportion, even for small repairs.



### Titanium

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

57 g ✓ 115 g ✓  
10535057 10535115

### Steel NSF

Certified to NSF/ANSI 61

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

57 g ✓ 115 g ✓  
10533057 10533115

## Easy-Mix HT 180

- high temperature resistant
- steady
- shock and impact resistant

50 ml ✓  
10650850

-50°C (-58°F) to +180°C (+356°F), briefly up to +230°C (+446°F)



The ideal adhesive for **POWDER-COATING**

# 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 ✓  
16200324

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

690 g ✓  
16200690

Working package (consisting of 650 g adhesive and 40 g 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



Nonfood Compounds Program Listed H1

- metal-free
- NSF approval
- temperature resistant from -40°C to +1.400°C

400 ml ✓  
27050400

Spray

400 g ✓  
26100040

Cartridge

1,0 kg ✓  
26100100

Can

### Copper Paste

- Protecting, separating and lubricating agent
- for highly stressed parts
- temperature resistant from -20°C to +1.100°C

400 ml ✓  
27200400

Spray

200 ml ✓  
26200200

Press pack

1,0 kg ✓  
26200100

Can



Assembly part in a pressure unit



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## 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 ✓ 5 L ✓  
11202500 15200005

### Parts and Assembly Cleaner

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

500 ml ✓ 5 L ✓  
11201500 15211005

### Surface Cleaner

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

400 ml ✓ 5 L ✓  
11207400 15207005



### Citrus Cleaner

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

400 ml ✓ 5 L ✓  
11217400 15210005

### Workshop-Cleaner

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

5 L ✓  
15205005



### WSD 400 Pressurized-Air Spray Can

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

400 ml ✓  
15811400



### 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 ✓ 5 L ✓  
11202400 15213005

### Rust Loosener and Contact Spray

- excellent creeping capacity
- loosens rusted screws
- dispels water

400 ml ✓ 5 L ✓  
11150400 15150005

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

- dry lubricant
- repels dust, dirt and water

400 ml ✓  
11539400

### Anti-Spatter Spray

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

400 ml ✓ 5 L ✓  
11700400 15050005



\* WEICON Anti-Spatter Spray was successfully tested as anti-adhesion base

### Bio-Cut

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

250 ml ✓ 400 ml ✓ 5 L ✓  
15750002 11750400 15750005

# WEICON Solutions for Mechanical Engineering

## Technical Sprays and Liquids

**NEW 500 ml** Double Nozzle  
Only for the 500 ml product



### 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 ✓ 5 L ✓  
11550400 15550005

### AT-44 Allround-Spray

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

400 ml ✓ 5 L ✓  
11250400 15250005

### W 44 T® Multi-Spray

- lubricates precision mechanics
- dispels moisture
- corrosion protection

400 ml ✓ 500 ml ✓ 5 L ✓  
11251400 11251550 15251005

### Stainless Steel bright grade

- with stainless steel pigments
- optics correspond to treated stainless steel look
- temperature resistant from -50°C to +300°C

400 ml ✓  
11104400

### Zinc-Spray NSF

Nonfood Compounds Program Listed R2



- cathodic corrosion protection
- overpaintable
- > 1.050 hours in the salt spray test

400 ml ✓  
11000400

## Crack Testing Agent

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

### Cleaner / Remover

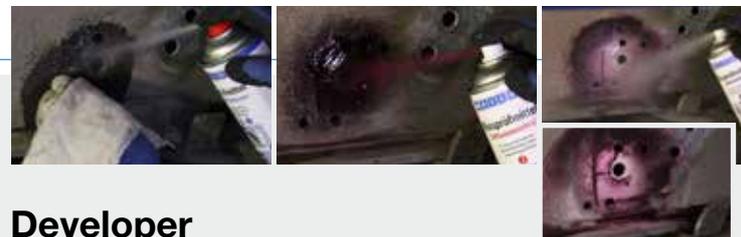
Material-neutral special cleaner for the colour penetration test. Suitable for metals, many plastics, ceramic materials, glass etc. The suitability for plastic has to be tested in advance.

500 ml ✓  
11692500

### Penetrant

Red diffusion agent with excellent penetration characteristics 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 ✓  
11690500



### Developer

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 ✓  
11691500



**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.

For further packing sizes and more detailed product information, please visit our website [www.welcon.com](http://www.welcon.com)



## 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 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.



### Silicone-Fluid Nonfood Compounds Program Listed H1

- excellent sliding and separating effect
- temperature resistance from -30°C to +250°C

400 ml   
11351400



### Metal-Fluid Nonfood Compounds Program Listed A7,C1

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

400 ml   
11580400



### Spray-on Grease H1 Nonfood Compounds Program Listed H1

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

400 ml   
11541400



### Bio-Fluid Nonfood Compounds Program Listed H1

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

500 ml   
11600500



### Rust Loosener Fluid Nonfood Compounds Program Listed H1

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

400 ml   
11154400



### Top-Lub-Fluid Nonfood Compounds Program Listed H2

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

400 ml   
11512400



# WEICON Solutions for Mechanical Engineering



## PTFE-Fluid



Nonfood Compounds Program Listed H2

- 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 ✓  
11301400



## Anti-Seize High-Tech



Nonfood Compounds Program Listed H1

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

400 ml ✓  
27050400



## W 44 T®-Fluid



Nonfood Compounds Program Listed H1

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

400 ml ✓  
11253400



## Fast Cleaner



Nonfood Compounds Program Listed A1

- 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 ✓  
11212500



10953008

## Universal Spatula white



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. Odors 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 (Technical Liquid) 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



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## 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.



**KNIFE-STEEL**  
Quality from Solingen

### 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)	-	51000005

### 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)	51000007

### 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	50054328



# 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)	-	51000300

## 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	52800000

## 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	52880002

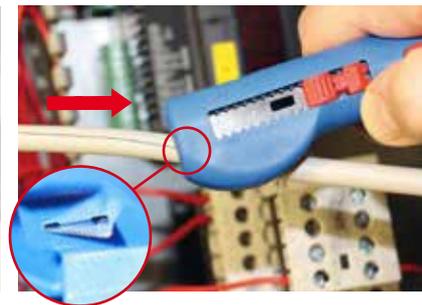
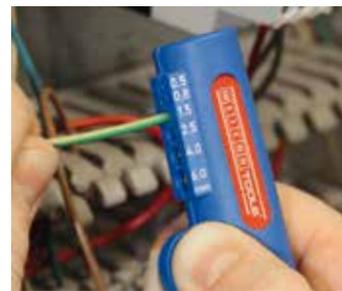


## Quadro-Stripper No. 16

- 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	52000016



## 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	-	-	52000035

## 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	52880001



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WEICON Solutions for

# Mechanical Engineering

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