



 **Catalogue**

WEICON®
Universal Dicht-Spray
 überlackierbar
 für Innen- und Außenbereiche

Allround Sealing Spray
 overpaintable
 for indoor and outdoor use



Adhesives / Sealants



Technical Sprays



Technical Liquids



Assembly Pastes and Lubricants

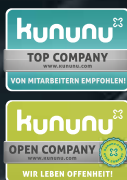


Mounting Tape



Stripping Tools

www.weicon.com

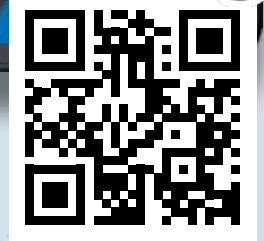


Management System
 ISO 9001:2015
 ISO 14001:2015
www.tuv.com
 ID 9108636595



WEICON®

Simply find solutions.



weicon.com/app

You Tube



www.weicon.com

Hello!

Thank you for your interest in WEICON products and solutions.

In this catalogue, we present our broad range of products including more than 150 adhesives, numerous technical sprays and many other solutions for your applications.

Your requirements are our daily motivation to develop high-quality products and services from one single source - so that you only need one contact for all kinds of applications.

ISO 9001 certifications

In 2017, our company was successfully DIN EN ISO 9001:2015 certified and, for that reason, awarded the Transfer Prize in cooperation with the University of Muenster. Last year, we managed to improve even further. Our management system was additionally certified to DIN EN ISO 14001:2015.

Top employer 2019

In addition to these very positive certifications, we received another very special award. According to a study carried out by the business magazine Focus-Business, WEICON belongs to the top employers 2019 among medium-sized companies.

In Germany, there are roughly 2.000 medium-sized chemicals and pharmaceutical companies. Out of all these companies, 29 were able to qualify for a placement in the Focus-Business ranking. And we achieved the first place within our industry!

Exceptional service

Besides our products, there is another special characteristic of our company, which greatly contributes to strengthening our market position worldwide: the many services we offer our customers! This range of services is exceptional and very special for a medium-sized company like ours.

We are at your disposal. Whether you are in Dubai, Dublin or Duesseldorf – worldwide in more than 100 countries!

We at WEICON believe in close connections!

Ralph Weidling Timo Gratilow
Ann-Katrin Weidling



left to right Timo Gratilow, Ann-Katrin Weidling and Ralph Weidling



We were awarded a certificate by Creditreform for our exceptionally high credit rating.



Management System
ISO 9001:2015
ISO 14001:2015

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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.

Technical changes reserved.

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**FAST.
COMPETENT.
RELIABLE.**

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
- eight branches
- over 1.200 trade partners worldwide
- over 40 exhibitions worldwide
- you find us and our products in 100 countries



We are WEICON

History



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 in the Hanover Exhibition

1960

- Relocation of the company to Schleebrüggenkamp in Münster

1964

- Gerd Weidling takes over the company management

1967

- Introduction of the new product line Stripping Tools

2004

- Start of the cooperation with the German Fraunhofer institute (IFAM)

2002

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

2000

- German Federal Award for Duo-Crimp No.300 as an outstanding innovative achievement
Ralph Weidling takes over the company management

1997

- Start of the cooperation with company Willteco B.V.
First Off-Shore project: Securing of the transport of an oilrig in Portugal

1993

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

1987

- Ralph Weidling joins the company
Introduction of WEICONLOCK® Anaerobic Adhesives

1969

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

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 WEICONLOCK® Pen-Systems
Extension of the headquarters at Königsberger Straße in Münster

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 m² lot

2011

- Foundation of WEICON Kimya Sanayi in Istanbul, Turkey
Set-up of the WEICON Online-Shop

2019

- WEICON has been exhibiting at Hannover Messer for 60 years
First place top employer among medium-sized companies 2019

2018

- Completion expansion of the headquarters in Münster

2017

- ISO certification
Foundation of WEICON Ibérica S.L

2016

- 10 year WEICON Pen-System
Foundation of WEICON Czech Republic
Beginning the expansion of the headquarters in Münster

2015

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

2014

- WEICON Adhesive Finder
WEICON Catalogue

2013

- Foundation of WEICON SA, Muizenberg, South Africa

2012

- Foundation of WEICON Romania in Targu Mures, Romania
WEICON participates in 45 exhibitions all over the world



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 500 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 were 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; the shelf area is equivalent to approx. 300 linear metres. 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 consists of twelve employees, six of whom work as field sales representatives.



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Dubai

United Arab Emirates



We are WEICON

WEICON Inc.



Since 1st September 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.



WEICON Inc.

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info@weicon.ca



Our Team supports approximately 450 customers in the U.S. and Canada. We deliver our products to even the most remote corners of Canada and the United States within just one week.





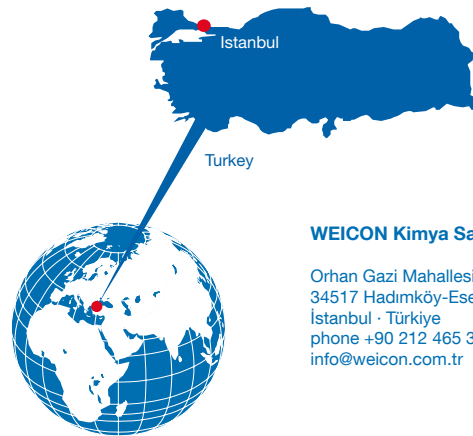
WEICON Türkiye

Since April 2011, WEICON has been operating a branch office in Istanbul, Turkey. 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 Turkey. 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.



WEICON Kimya Sanayi Tic. Ltd. Şti.

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About us

We are WEICON

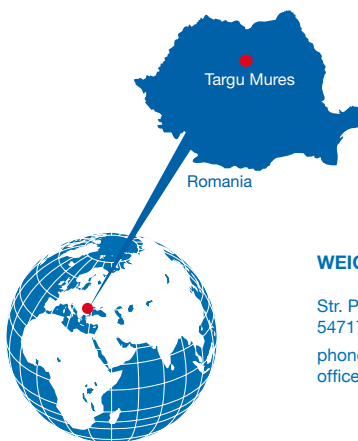
WEICON Romania



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. The branch office is headed by Alexandru Vlaicu, who provides support for our customers in Romania together with his team.



WEICON Romania SRL

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WEICON SA

Since November 2013, we have been represented on the African continent by our branch WEICON SA Pty Ltd. in Muizenberg near Cape Town.

Above all, flexibility and a very short delivery time are the strengths of our branch compared to other suppliers on the market. From Cape Town we support other African countries, e.g. Namibia, Botswana, Zimbabwe and Mozambique.

The branch has a size of about 220 sqm. In our warehouse in Muizenberg there is space for up to 45 pallets of WEICON products. That way, we can guarantee a fast and reliable delivery of products to our customers by the local WEICON team.



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We are WEICON

WEICON South East Asia

WEICON South East Asia Pte. Ltd. is the name of our branch in Singapore.

In late 2015, we opened our own branch in Singapore. The city state with a size of only 718 square kilometers, which corresponds approximately to the area of the city of Hamburg in Germany, is the center and pivotal point of the region.

The branch is managed by the twin brothers Gang and Qiang Kho. Our team in Singapore is responsible for the support of our customers in Southeast Asia.

Southeast Asia is a very interesting market. From Singapore, we want to supply all countries in this region as a medium- to long-term goal.



WEICON South East Asia Pte Ltd

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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 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, the 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.

Since 1993, German entrepreneurs have invested almost 20 billion euros in the Czech Republic. Germany is the most important trading partner of the country, almost a third of the foreign trade are business deals with Germany. Ahead of Russia, the Czech Republic holds the 12th place of Germany's trading partners (source: Federal Statistical Office). With the positive development of recent years, the strong economic position within Europe and the third lowest unemployment rate in the EU, the Czech Republic was able to convince us of its local advantages.



WEICON Czech Republic s.r.o.

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We are WEICON

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.



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Spain





WEICON Italia S.r.l.

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. The branch is run by the local managing director Davide Merlo.

"We have been collaborating with Davide very successfully since 2014. During this time, he worked as a field sales representative in Italy for us. 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.



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We are WEICON

International WEICON partners



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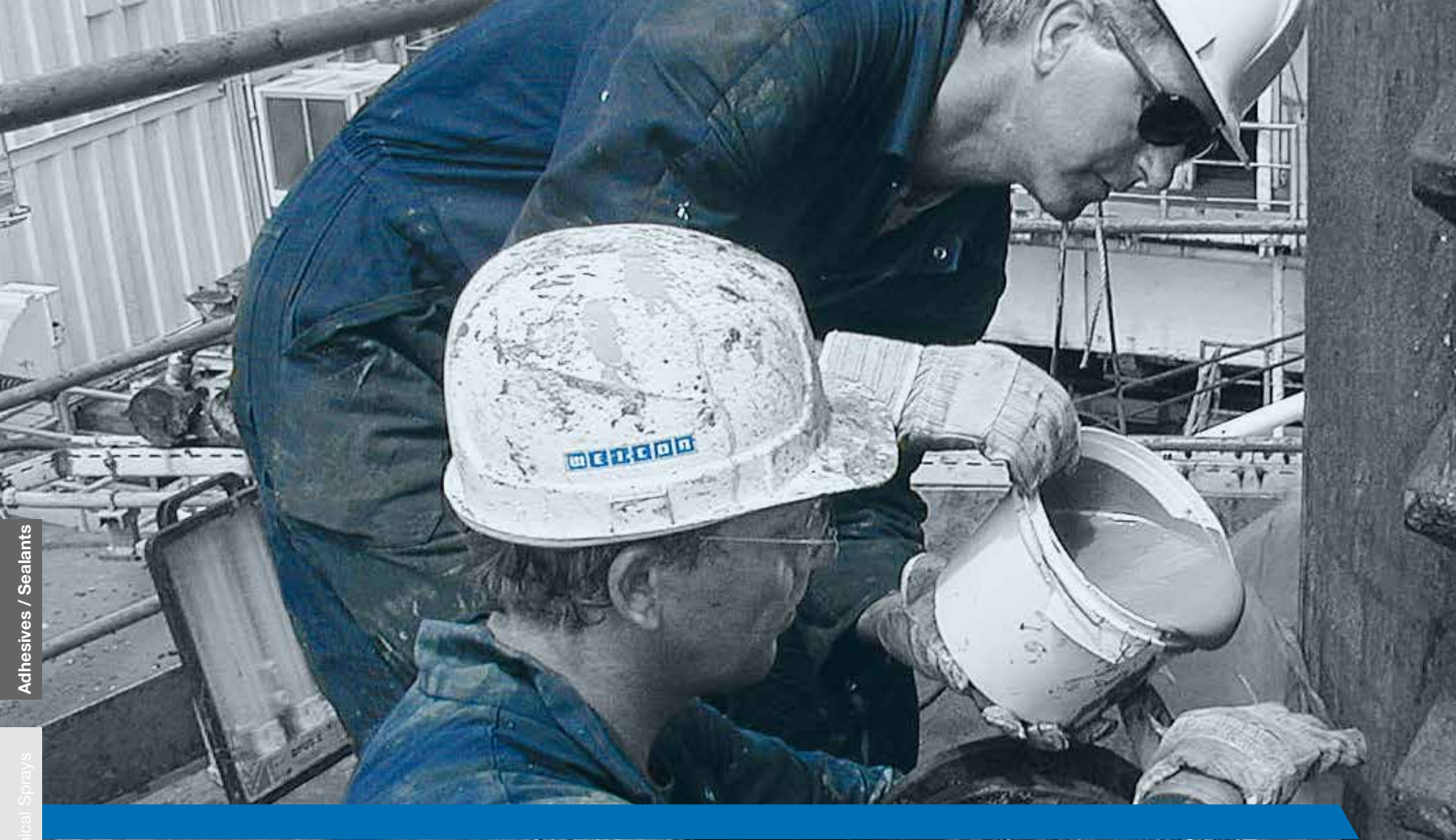
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2-Component Adhesives and Sealants





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Plastic Metal

Two-component epoxy resin systems



- 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



VIDEO



Epoxy Resin Systems

Plastic Metal

**WEICON A**

Pasty, steel-filled,
certified by DNV GL



WEICON A has a DNV GL certificate* and is particularly suitable for repairs in the maritime industry. It can be used to eliminate corrosion damage and pitting in tanks, repairs on pipes and castings, as well as the repair of cracks on housings and machine parts.

Further application examples are the production of models, moulds, tools and clamping devices. The epoxy resin system can be used in mechanical engineering, toolmaking, modeling and mould making as well as many other industrial sectors.

0,5 kg ✓ 2,0 kg ✓
10000005 10000020

WEICON B

Pasty, steel-filled

WEICON B is particularly suited for detailed reproductions in model and mould making, for the production of tools, templates, gauges and fixtures, for filling in blowholes and microporosities in castings and for general repair work where a casting compound is advantageous.

WEICON B can be used in machine construction, tool construction, model and mould making, and many other applications.

0,5 kg ✓ 2,0 kg ✓
10050005 10050020





**Contour
Spatula Flexy**

10953020

Versatile use, e.g. for coating and processing 2C-adhesives.

The spatula is perfect for applying adhesives on large or small surfaces. The spatula is made of wear-resistant polyamide.

New

WEICON C

Liquid, aluminium-filled,
up to +220°C (+428°F) high-temperature-resistant

Temperature-resistant and liquid epoxy resin system especially for industrial use. Non-corrosive, anti-magnetic, nearly shrink-free curing.

WEICON C is particularly suitable as an adhesive for large area applications, for pouring moulds, and for the manufacture 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 subject to severe heat stress.

0,5 kg ✓ 2,0 kg ✓
10100005 10100020



WEICON BR

Pasty, bronze-filled

WEICON BR is particularly suited for filling in blowholes and for repairing and rebuilding bronze equipment parts and castings.

WEICON BR can be used in tool construction, model and mould making, and in many other industrial applications.

- 0,5 kg 10420005
- 2,0 kg 10420020



Repair of a ship propeller

WEICON F

Pasty, aluminium-filled, non-corrosive and anti-magnetic

WEICON F is particularly suited for applications on components made of aluminium, aluminium alloys, magnesium and other light metals. WEICON F can be used for inexpensive repairs of all types, for filling in blowholes on light metal castings and for the reconstruction of components.

WEICON F can be used in tool construction, model and mould making, and many other industrial applications.

- 0,5 kg 10150005
- 2,0 kg 10150020



Reconditioning of an aluminium housing

WEICON F2

Viscous, aluminium-filled

WEICON F2 is suited 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 pouring out swages to test precision.

WEICON F2 can be used in tool construction, model and mould making, and many other industrial applications.

- 0,5 kg 10200005
- 2,0 kg 10200020

WEICON HB 300

Pasty, steel-filled, high-temperature-resistant

WEICON Plastic Metal type HB 300 is pasty, steel-filled and high-temperature-resistant up to +200°C (+392°F) (briefly up to +280°C/+536°F). It is processed with a mixing ratio of 1:1.

It is also suitable for applications on vertical surfaces and can be used for the repair and bonding of cast and metal parts, for filling in blow holes, for repairing damage to containers, carriages and machine parts and for sealing pumps and pipes.

WEICON HB 300 can be used in machine and system construction, in apparatus engineering, and in many other industrial applications.

- 1,0 kg 10450010

Epoxy Resin Systems

Plastic Metal

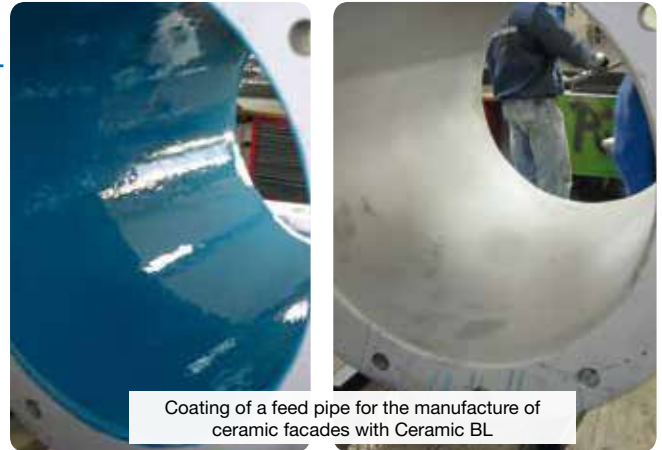
WEICON Ceramic BL

Liquid, mineral-filled, extremely wear-resistant, high-temperature-resistant from -35°C up to +180°C (-35°F up to +356°F)

WEICON Ceramic BL is liquid, brushable, filled with silicon carbide and zirconium silicate, temperature-resistant up to +180°C and resistant to chemicals. It offers extreme wear protection and high abrasion resistance.

WEICON Ceramic BL is particularly 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. The product can be used in machine and system construction, in apparatus engineering, and in many other industrial applications.

0,5 kg ✓ 2,0 kg ✓
10400005 10400020



Coating of a feed pipe for the manufacture of ceramic facades with Ceramic BL

WEICON HP New

Pasty, mineral-filled, impact-resistant

WEICON HP is a practically shrink-free 2-component epoxy resin with extremely high impact resistance and high abrasion resistance. It cures with residual elasticity.

The pasty epoxy resin system can be used as a high-performance solution especially for structural adhesive bondings. Due to its high elongation at break, WEICON HP can also be used for repairs on strongly vibrating machines, as wear protection for slide bearings, chutes and pipes as well as for lining heavily stressed pump housings.

The adhesive can be used universally on nearly all surfaces. Its pasty texture makes it non-drip and spreadable. That way, it can also be used on vertical surfaces and even for overhead applications.

WEICON HP can be used in machine construction and systems engineering, in apparatus engineering as well as in many other industrial sectors.

0,5 kg ✓ 2,0 kg ✓
10390005 10390020

WEICON TI

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

WEICON TI is particularly suited for repair work when high pressure resistance and resistance to chemicals are required, such as for pumps, valves, wearing plates, ball bearing seats, shafts and propellers and also for the lining of pump housings and slide bearings.

WEICON TI can be used in machine and system construction, in apparatus engineering, and in many other industrial applications.

0,5 kg ✓ 2,0 kg ✓
10430005 10430020







WEICON WP

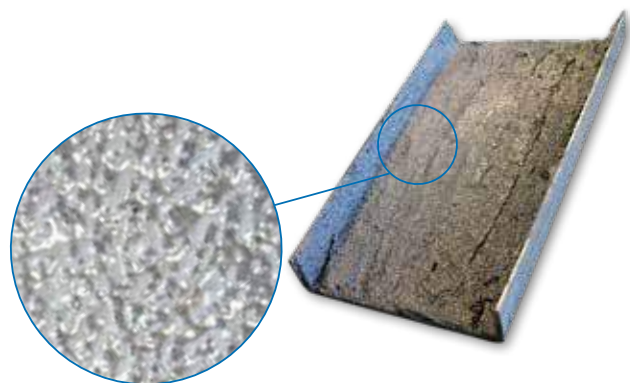
Pasty, ceramic-filled, extremely high resistance against abrasion and wear, high strength, residual elasticity and impact-resistant

WEICON WP is suitable for the protection of strongly used surfaces. The coating with Plastic-Metal WP provides a high resistance against abrasion and wear and is very resistant against chemicals.

It avoids metal loss and replaces previously applied wear-resistant alloys, ceramic tiles and rubber linings as well as welded metal coatings.

WEICON WP can be used for the regeneration of worn-out metal surfaces or as a wear-resistant coating. A particularly high level of protection is achieved, when the wear is caused by particles impacting sideways.

2,0 kg  10,0 kg 
10490020 10490100




WEICON Ceramic W

Pasty, mineral-filled, extremely wear-resistant

WEICON Ceramic W is pasty, mineral-filled, temperature-resistant up to +200°C (+392°F) (briefly up to +260°C/+500°F) and resistant to chemicals. It offers high wear protection and abrasion resistance. WEICON Ceramic W has a non-sag property and can be spread with a spatula. It can be applied on vertical surfaces and even overhead.

WEICON Ceramic W is suited for the bonding or lining of aluminium oxide stones in mill construction, for the lining of heavily stressed pump housings, as wear protection for slide bearings, slides and pipes and wherever darker products are not suitable for visual reasons. WEICON Ceramic W can be used in machine and system construction, mill construction, apparatus engineering, and in many other industrial applications.

0,5 kg  2,0 kg 
10460005 10460020



Bonding of aluminium oxyd-stones



Epoxy Resin Systems

Plastic Metal

WEICON UW

Pasty, mineral-filled, hardens under water as well as on damp and wet surfaces

WEICON UW is particularly suitable for repairs and reconditioning, for example on pipes, pumps, tanks and containers.

WEICON UW can be used in the entire marine and inland water navigation sector and in wastewater systems. It can be used in all applications where moisture and wetness lead to bonding difficulties.

0,5 kg ✓ 2,0 kg ✓
10440005 10440020



Casting Resin MS 1000

Liquid, unfilled, low viscosity, pure epoxy resin

WEICON MS 1000 Casting Resin is suitable for the most diverse applications, such as for casting electrical components, and can be blended by various fillers (in form of powder, fibres and fabric), e.g. for the production of highly filled backfilling compounds.

WEICON MS 1000 Casting Resin can be used in the electrical industry, in machine construction and in many other applications.

1,0 kg ✓
10520010

WEICON SF

Pasty, steel-filled, fast-curing, certified by DNV GL



WEICON SF is particularly suited for quick repairs and the reconditioning of leaky pipelines, housings and gears, for anchorages, and for the production of fixing devices.

WEICON SF can be used in machine construction, tool construction, model and mould making, the maritime industry and in many other applications.

0,5 kg ✓ 2,0 kg ✓
10250005 10250020



WEICON ST

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

WEICON ST is suitable for versatile repairs and maintenance jobs performed on stainless steel machine parts and workpieces such as tanks, pipelines, containers, funnels and flanges.

WEICON ST can be used in the chemicals industry, in the entire marine and inland water navigation sector, in wastewater systems, in the paper industry and in many other applications.

0,5 kg ✓ 2,0 kg ✓
10410005 10410020





WEICON WR

Liquid, steel-filled, wear-resistant

WEICON WR is suitable for areas where metal parts are subjected to strong wear due to friction, as repairs and recasting of shafts, for pouring out bearings and cutting and punching tools, for the production of casting and profile milling models as well as drawing moulds, for underpouring machines and foundations and as a wear-resistant underlayer before the final coating with WEICON Ceramic BL.

WEICON WR can be used in machine construction, tool construction, model and mould making, and many other industrial applications.

- 0,5 kg ✓ 10300005
- 2,0 kg ✓ 10300020

WEICON WR2

Pasty, mineral-filled, wear-resistant, highly abrasion-resistant

WEICON WR2 is particularly suitable for areas where the processing of casting compounds is not possible such as for the repair of conveyors, guides and sliding ways. It can also be used to prevent wear on metal surfaces exposed to high abrasion and erosion and can serve as a wear-resistant underlayer before the final coating with WEICON Ceramic BL.

WEICON WR2 can be used in machine and system construction, in apparatus engineering and in many other industrial applications.

- 0,5 kg ✓ 10350005
- 2,0 kg ✓ 10350020



Mould release agents and supplements

Liquid F 1000	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.	10604025	250 ml
		10604000	1 l
Wax P 500	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.	10604515	150 g
		10604500	500 g
Mould Release Agent	Silicone-free sliding and release agent. Prevents adhesion to plastics, moulds, metals and tools.	11450400	400 ml
PTFE-Spray	WEICON PTFE-Spray is a grease-free PTFE-based dry lubricant with excellent sliding properties.	11300400	400 ml
Silicone Spray	WEICON Silicone Spray is a sliding and release agent as well as a preservative and care product for plastic, rubber and metal.	11350400	400 ml



Epoxy Resin Systems

Plastic Metal

Applications Plastic Metal



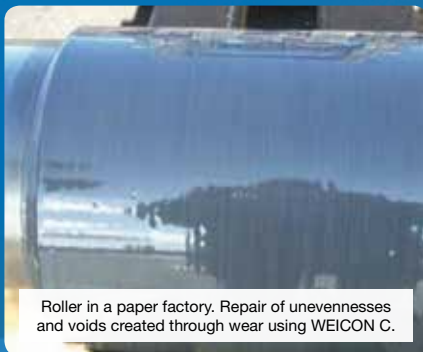
Reconditioning of a bearing seat for a cement combustion chamber / cement kiln, weight ca. 500 t with HB 300.



Repair of a hairline crack on a pump housing with WEICON Plastic Metal WR 2.



Dedusting filter cartridges for air filtration at workplaces.



Roller in a paper factory. Repair of unevennesses and voids created through wear using WEICON C.



Reconditioning of a crushing roller in a paper factory with Ceramic BL.



Repair on the guide for the "Skytrain" at Düsseldorf Airport with WEICON WR. Bearing seats may be knocked out due to vibrations / shocks which have an effect on the bearings.

WEICON and DSM

We have a successful cooperation with the service company DSM.

DSM (Direct Service Maintenance) is based in Papendorf near Rostock in the north of Germany and has specialized in processing and distributing polymeric materials and reaction resins (epoxy resins).

With their broad range of different products, many industrial sectors as well as the maritime industry are covered.

Examples are wear protection coatings, the renovation of bollards, levelling gaps on shaft rings or coating pipe bends in shipyards. The company operates worldwide in maintenance as well as new construction and cooperates with national and international companies. DSM was founded in 2004 and looks back on more than fifteen years of experience.



Technical Data

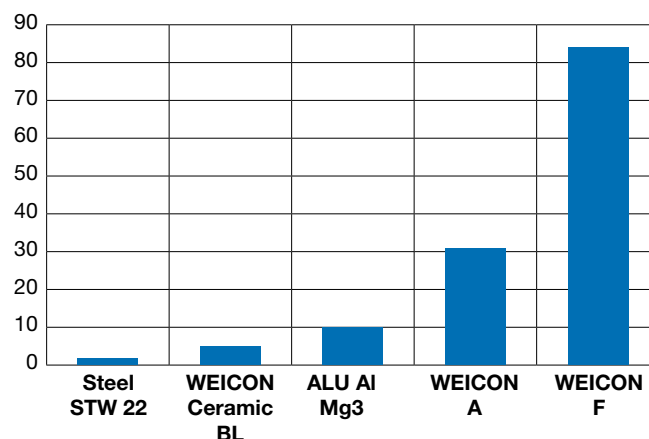
WEICON Plastic Metal in non-cured condition											
	Basis	Specific Properties	Complete Packaging Sizes	Mixing ratio (Weight %)		Pot life at 20°C/+68°F (min.)	Density of the mixture g/cm³	Viscosity of the mixture mPa·s	Max. layer thickness per application mm	Curing time in h	
				Resin	Hardener					Mechanical loads	Final hardness
WEICON A	steel-filled	pasty	0,5 kg 2,0 kg	100	10	60	2,90	1.000.000	10	16	24
WEICON B	steel-filled	viscous	0,5 kg 2,0 kg	100	7	60	2,75	200.000	10	16	24
WEICON BR	bronze-filled	pasty	0,5 kg 2,0 kg	100	100	60	1,80	650.000	12	16	24
WEICON C	aluminium-filled	liquid, high-temperature-resistant	0,5 kg 2,0 kg	100	8	60	1,62	25.000	60	24	48*
WEICON F	aluminium-filled	pasty	0,5 kg 2,0 kg	100	20	60	1,60	880.000	10	16	24
WEICON F2	aluminium-filled	viscous	0,5 kg 2,0 kg	100	14	60	1,45	200.000	10	16	24
WEICON HB 300	steel-filled	pasty, high-temperature-resistant	1,0 kg	100	100	30	2,34	1.700.000	20	12	24
WEICON HP	mineral-filled	pasty	0,5 kg 2,0 kg	100	83	30	1,40	550.000	10	16	48
WEICON Ceramic BL	mineral-filled	liquid, extremely wear-resistant	0,5 kg 2,0 kg	100	8	55	1,80	25.000	10	16	24
WEICON Ceramic W	mineral-filled	pasty, extremely wear-resistant	0,5 kg 2,0 kg	100	33	120	1,59	600.000	10	24	48*
WEICON SF	steel-filled	pasty, fast-curing	0,5 kg 2,0 kg	100	33	5	1,70	800.000	10	3	6
WEICON ST	metal-filled	thixotropic, can be applied with a spatula	0,5 kg 2,0 kg	100	50	60	1,64	550.000	10	16	24
WEICON TI	titanium-filled	pasty, wear-resistant	0,5 kg 2,0 kg	100	33	120	1,61	550.000	10	24	48*
WEICON UW	mineral-filled	pasty, cures even under water	0,5 kg 2,0 kg	100	100	20	1,35	670.000	12	4	24
WEICON WP	ceramic-filled	pasty, wear-resistant	2,0 kg 10,0 kg	100	100	30	2,5	900.000	10	16	96
WEICON WR	metal-filled	liquid, wear-resistant	0,5 kg 2,0 kg	100	15	45	2,40	4.500	10	12	24
WEICON WR2	mineral-filled	pasty, wear-resistant	0,5 kg 2,0 kg	100	25	45	1,67	560.000	10	16	24
WEICON Casting Resin MS 1000	unfilled	liquid	1,0 kg	100	20	20	1,10	1.300	10	24	36

* Can be machined after 16 hours at room temperature (+20°C/+68°F). After 48 hours at room temperature, heat-curing in four steps (3 h +50°C/+122°F, 2 h +90°C/+194°F, 2 h +130°C/+266°F, 1 h +170°C/+338°F). After heat curing a permanent temperature resistance of +200°C (+392°F) is reached.

Abrasion measurement according to Taber

With the standard procedure according to Taber, the abrasion resistance of different materials can be measured. Abrasion is caused by two friction rollers that are pressed to the rotating test sample with a pre-defined force. The test samples are plates made of the corresponding material. (Details are available upon request).

	Density (g/cm³)	Abrasion volume (mm³)
Steel STW 22	7,9	1,3
WEICON Ceramic BL	1,9	5
ALU Al Mg3	2,7	10
WEICON A	2,9	31
WEICON F	1,6	83



Epoxy Resin Systems

Plastic Metal

	WEICON Plastic Metal in cured condition									
	Mean strength at +25°C (+77°F) acc. to DIN 53281-83 / ASTM D 1002						Thermo forming resistance °C (°F)	Colour after curing	Temperature resistance °C (°F)	
	Compressive MPa (psi)	Tensile MPa (psi)	Flexural MPa (psi)	E-Modul MPa (KSI)	Shore hardn. D (ASTM D 1706)	Shrinkage %				
WEICON A	80 (11.600)	21 (3.050)	34 (4.950)	3.500 - 5.000 (500 - 725)	90	0,015	+65 (+149)	dark-grey	-35 to +120 (-31 to +248)	
WEICON B	110 (15.950)	21 (3.050)	52 (7.200)	3.500 - 5.000 (500 - 725)	90	0,030	+65 (+149)	dark-grey	-35 to +120 (-31 to +248)	
WEICON BR	95 (13.800)	29 (4.200)	35 (5.100)	2.500 - 3.000 (360 - 435)	75	0,020	+50 (+122)	bronze	-35 to +120 (-31 to +248)	
WEICON C	140 (20.300)	25 (3.600)	77 (11.150)	5.800 - 6.000 (840 - 870)	90	0,010	+130 (+266)	grey	-35 to +220* (-31 to +428)	
WEICON F	61 (8.850)	20 (2.900)	37 (5.350)	1.500 - 2.000 (215 - 290)	84	0,020	+60 (+140)	aluminium	-35 to +120 (-31 to +248)	
WEICON F2	43 (6.250)	14 (2.050)	26 (3.750)	1.500 - 2.000 (215 - 290)	79	0,025	+55 (+131)	aluminium	-35 to +120 (-31 to +248)	
WEICON HB 300	100 (14.500)	27 (3.900)	42 (6.100)	9.500 - 10.000 (1.380 - 1.450)	85	0,015	+120 (+248)	dark-grey	-35 to +200 briefly to +280 (-31 to +392 briefly to +536)	
WEICON HP	65 (9.430)	21 (3.050)	50 (7.250)	1.400 - 2.000 (205 - 290)	76	0,020	+80 (+176)	white	-35 to +160 (-31 to +320)	
WEICON Ceramic BL	120 (17.400)	22 (3.200)	80 (11.600)	8.000 - 8.500 (1.160 - 1.230)	83	0,020	+80 (+176)	blue	-35 to +180 (-31 to +356)	
WEICON Ceramic W	140 (20.300)	30 (4.400)	90 (13.100)	4.500 - 5.000 (650 - 725)	85	0,020	+150 (+302)	white	-35 to +200 briefly to +260* (-31 to +392 briefly to +500)	
WEICON SF	52 (7.550)	15 (2.180)	40 (5.800)	2.500 - 4.000 (360 - 580)	82	0,060	+40 (104)	dark-grey	-35 to +90 (-31 to +194)	
WEICON ST	80 (11.600)	27 (3.900)	38 (5.500)	2.000 - 2.500 (290 - 360)	80	0,020	+50 (+122)	grey	-35 to +120 (-31 to +248)	
WEICON TI	105 (15.200)	35 (5.100)	100 (14.500)	4.500 - 5.000 (650 - 725)	80	0,020	+150 (+302)	grey	-35 to +200 briefly to +260* (-31 to +392 briefly to +500)	
WEICON UW	60 (8.700)	30 (4.050)	38 (5.500)	2.000 - 2.500 (290 - 360)	70	0,020	+50 (+122)	white	-35 to +120 (-31 to +248)	
WEICON WP	51 (7.400)	22 (3.200)	35 (5.100)	2.500 - 3.000 (360 - 435)	80	0,020	+50 (+122)	grey	-35 to +120 (-31 to +248)	
WEICON WR	100 (14.500)	33 (4.800)	80 (11.600)	5.800 - 6.300 (841 - 914)	90	0,050	+55 (+131)	black	-35 to +120 (-31 to +248)	
WEICON WR2	71 (10.300)	29 (4.200)	39 (5.650)	2.500 - 3.000 (360 - 435)	82	0,025	+65 (+149)	dark-grey	-35 to +120 (-31 to +248)	
WEICON Casting Resin MS 1000	60 (8.700)	25 (3.600)	285 (41.300)	17.000 - 18.000 (2.460 - 2.610)	65	0,200	+50 (+122)	transparent, slightly inherent colour	-35 to +120 (-31 to +248)	

Consumption (Plastic Metal)

	WEICON A	WEICON B	WEICON BR	WEICON C	WEICON F	WEICON F2	WEICON HB 300	WEICON HP	WEICON Ceramic BL	WEICON Ceramic W	WEICON SF	WEICON ST	WEICON TI	WEICON UW	WEICON WP	WEICON WR	WEICON WR2	WEICON Epoxy Resin Putty	WEICON Casting Resin MS 1000	WEICON CBC
Consumption (Kilogram per m ²) 1,0 mm Application thickness	2,90	2,75	1,80	1,62	1,60	1,45	2,34	1,40	1,80	1,59	1,70	1,64	1,61	1,35	2,50	2,40	1,67	2,00	1,10	1,50

WEICON CBC Chocking Backing Compound

Vibration-resistant, impact-resistant, break-resistant

Special epoxy resin system for the shimming and backfilling of systems difficult to align. It serves as a replacement for fittings and worn metal sheets and ensures the direct contact to foundation plates.

WEICON CBC has a low viscosity, flows well and is self-levelling. It has a pot life of 30 minutes and cures nearly shrink-free. It provides a permanent, high-static stability and exhibits great ageing qualities. The epoxy resin system adheres particularly well to steel and concrete. It has a good compressive strength and is resistant against oil, fuels and many chemicals. It is vibration-resistant as well as temperature-resistant.

Due to its extremely low shrinkage, machines and systems remain constant after the casting with WEICON CBC in their alignment.

3,0 kg (2,0 l) ✓
10,0 kg (6,6 l) ✓

10110030 10110110

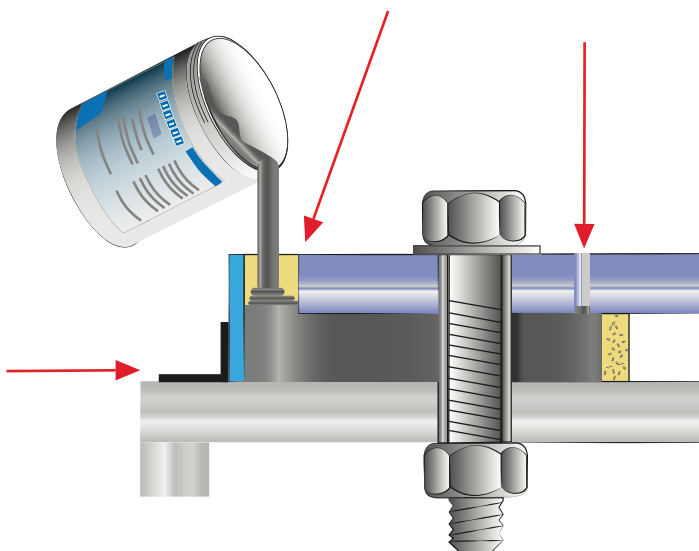
Technical Data:

Basis:	Epoxy resin, aluminium-filled
Specific Properties:	liquid, impact-resistant
Mixing ratio by weight % (Resin/Hardener):	100 : 30
Pot Life at +20°C, 10 kg preparation:	30 min.
Density of the mixture:	1,5 g/cm ³
Viscosity of the mixture at +25°C:	45.000 mPa.s
Processing temperature:	+5°C to +40°C
Cure time mechanical loads:	12 h
Final hardness:	24 h
Mean compressive strength (DIN EN ISO 604)	70 MPa
Strength-E-Module (DIN EN ISO 527):	4170 MPa
Elongation at break (DIN EN ISO 527):	0,7%
Impact strength (ISO 179-1/1eU):	3,7 kJ/m ²
Shore D (DIN EN ISO 868/3s):	80 Shore D
Shrinkage:	0,02 %
Colour after curing:	grey
Temperature resistance:	-40°C to +160°C



WEICON®

European Exhibition Award
for creativity and innovation





Epoxy Resin Systems

WEICON CBC and Epoxy Resin Putty

Epoxy Resin Putty

The kneadable universal repair compound

WEICON Epoxy Resin Putty is pasty (kneadable), mineral-filled, and temperature-resistant up to +200°C (+392°F). It is processed with a mixing ratio of 1:1 and is machinable and paintable after curing.

WEICON Epoxy Resin Putty adheres to metal, wood, glass, rubber, ceramics, concrete and most plastics. It is resistant to petrol, oil, ester, saltwater and most acids and lyes.



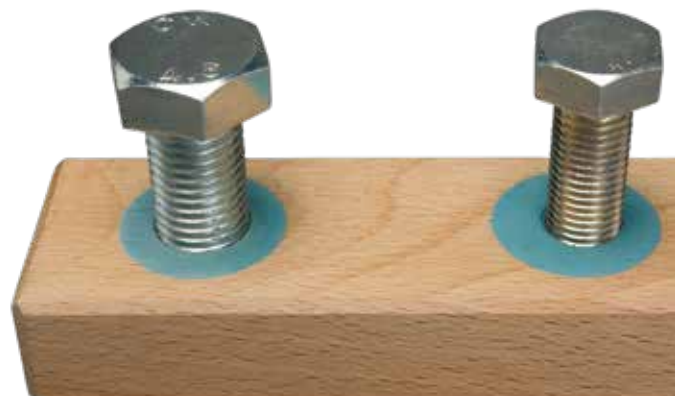
WEICON Epoxy Resin Putty is suited for the sealing of pipelines and tanks, the fastening of screws and hooks, the reconditioning and repair of castings, the rebuilding of shafts, slide bearings, pumps and housings, the renewal of defective threads, the production of templates and models and for repair works on aluminium, light metal and injection moulded parts.

WEICON Epoxy Resin Putty can be used in machine construction, tool construction, model and mould making, and many other industrial applications.

- 0,1 kg
 10500100
- 0,4 kg
 10500400
- 0,8 kg
 10500800

Technical Data

Basis	Epoxy resin mineral-filled
Pot-life at +20°C (+68°F) (25 g material)	30 min.
Density of the mixture	2,0 g/cm ³
Processing temperature	+10 to +35°C (+50 to +95°F)
Curing temperature	+6 to +40°C (+43 to +104°F)
Colour after curing	green
Gap covering power to max.	15 mm
Capable of bearing mechanical loads (50% strength/+20°C/+68°F) after	2 h
Final strength (100% at +20°C/+68°F) after	3 h
Pressure (DIN 53281-83)	80 N/mm ² (11.600 psi)
Shore hardness D	87
Tensile shear strength ac. to DIN 53283	30 N/mm ² (4.400 psi)
Temperature resistance	-35 to +200°C (-31 to +392°F)

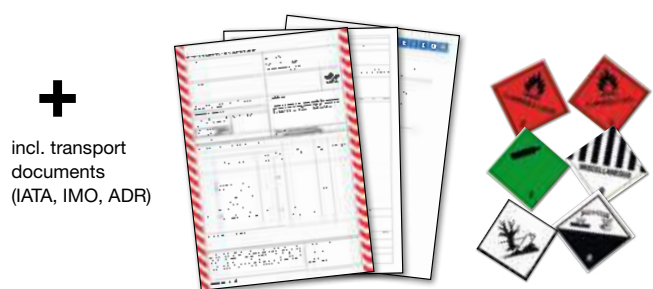




Marine Emergency Repair Kits



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 ways. 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 done frequently.



incl. transport documents (ATA, IMO, ADR)

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



Kit 1

WEICON	ISSA	IMPA
10851001	75.540.00	81 29 07

Product	WEICON	ISSA	IMPA	Quantity
WEICON A 0,5 kg	10000005	75.509.01	81 29 01	2
WEICON SF 0,5 kg	10250005	75.509.13	81 29 31	2
WEICON UW 0,5 kg	10440005	75.509.24	81 29 35	2
Repair Stick Aqua 115 g	10531115	75.530.03	81 29 24	2
Repair Stick Steel 115 g	10533115	75.530.01	81 29 26	2
Processing Kit	10851010	-	81 29 88	1



Kit 2

WEICON	ISSA	IMPA
10851002	75.541.00	81 29 08

Product	WEICON	ISSA	IMPA	Quantity	Product	WEICON	ISSA	IMPA	Quantity
WEICON A 0,5 kg	10000005	75.509.01	81 29 01	2	WEICON UW 0,5 kg	10440005	75.509.24	81 29 35	2
WEICON SF 0,5 kg	10250005	75.509.13	81 29 31	2	Repair Stick Aqua 115 g	10531115	75.530.03	81 29 24	3
WEICON HB 300 1,0 kg	10450010	75.509.21	81 29 51	1	Repair Stick Steel 115 g	10533115	75.530.01	81 29 26	3
AN 302-43 50 ml	30243150	75.628.04	81 29 13	1	Cleaner Spray S 500 ml	11202500	53.402.01	45 08 01	2
AN 302-60 50 ml	30260150	75.628.32	81 52 05	1	W 44 T 400 ml	11251400	53.402.11	45 08 21	1
VA 8312 30 g	12200030	75.629.05	81 52 42	1	Rust Shock 400 ml	11151400	53.402.10	45 08 22	1
VM 120 30 g	12350030	-	-	1	Starter Spray 400 ml	11660400	-	-	1
GMK 2410 700 g	16100700	-	81 52 38	1	Contact Spray 400 ml	11152400	53.402.28	45 08 43	1
Black-Seal 200 ml	13051200	75.634.25	81 52 85	1	Processing Kit	10851010	-	81 29 88	1



WEICON Marine Emergency Repair Kits

Kit 3

WEICON	ISSA	IMPA
10851003	75.542.00	81 29 09

Product	WEICON	ISSA	IMPA	Quantity	Product	WEICON	ISSA	IMPA	Quantity
WEICON A 0,5 kg	10000005	75.509.01	81 29 01	2	Thread Sealing Cord DF 175*1	30010175	75.628.40	-	1 *1
WEICON SF 0,5 kg	10250005	75.509.13	81 29 31	2	Plast-o-Seal 90 g	30000090	75.628.41	81 52 31	1
WEICON BR 0,5 kg	10420005	75.509.05	81 29 10	1	VA 8312 30 g	12200030	75.629.05	81 52 42	1
WEICON WR 0,5 kg	10300005	75.509.15	81 29 47	1	VM 120 30 g	12350030	-	-	1
WEICON HB 300 1,0 kg	10450010	75.509.21	81 29 51	2	GMK 2410 700 g	16100700	-	81 52 38	2
WEICON Ceramic BL 0,5 kg	10400005	75.509.19	81 29 39	1	Black-Seal 200 ml	13051200	75.634.25	81 52 85	2
WEICON UW 0,5 kg	10440005	75.509.24	81 29 35	2	Cleaner Spray S 500 ml	11202500	53.402.01	45 08 01	2
Repair Stick Aqua 115 g	10531115	75.530.03	81 29 24	4	Sealant and Adhesive Remover 400 ml	11202400	53.402.02	45 08 02	1
Repair Stick Steel 115 g	10533115	75.530.01	81 29 26	4	W 44 T 400 ml	11251400	53.402.11	45 08 21	2
Urethane 80 0,5 kg	10518005	75.509.42	81 29 63	1	Rust Shock 400 ml	11151400	53.402.10	45 08 22	2
AN 302-43 50 ml	30243150	75.628.04	81 29 13	1	Mould Release Agent 400 ml	11450400	-	-	1
AN 302-60 50 ml	30260150	75.628.32	81 52 05	1	Starter Spray 400 ml	11660400	-	-	1
AN 305-77 50 ml*2	30577150	75.628.13	81 52 14	1	Contact Spray 400 ml	11152400	-	45 08 43	1
AN 306-38 50 ml	30638150	75.628.19	81 52 23	1	AS 500 500 g	26000050	-	45 08 46	2
					Processing Kit	10851010	-	81 29 88	2

*2BAM tested and safety-related evaluated- according to leaflet M 031-1
 *List of nonmetallic materials compatible with oxygen"
 (DGUV information 213-078) of BG FCI



Processing Kit

WEICON
10851010

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





Repair Sticks

The easy solution for all repair and maintenance work.



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

Repair Stick Steel Certified to NSF/ANSI 61

Fast cure, steel-filled, drinking water approval

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 
10533057 10533115



Repair Stick Titanium

Wear-resistant, titanium-filled, high-temperature-resistant up to +280°C (+536°F) (briefly up to +300°C/+572°F)

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 
10535057 10535115



Repair Stick Aqua

For underwater applications, ceramic-filled

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 
10531057 10531115



Repair Stick Stainless Steel Certified to NSF/ANSI 61

Non-corrosive, fast cure, stainless steel-filled, drinking water approval

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 
10538057 10538115



Epoxy Resin Systems

Repair Sticks

Repair Stick Multi-Purpose

New

NSF

Certified to
NSF/ANSI 61

Fast-curing, mineral-filled, NSF registration

Temperature resistance: -25°C (-13°F) +120°C (+248°F)

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 crafts or DIY projects.

57 g ✓
10539057

115 g ✓
10539115



Repair Stick Plastic

NSF

Certified to
NSF/ANSI 61

Plastic-filled, drinking water approval

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.

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

57 g ✓
10536057

115 g ✓
10536115



Repair Stick Wood

Residual elasticity, mineral-filled

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 ✓
10532057

56 g ✓
10532115



Repair of a PVC pipe





Repair Stick Copper

Extremely fast cure, copper-filled, drinking water approval

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 
10530057

115 g 
10530115





Repair Stick Aluminium

Non-rusting, aluminium-filled

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 
10534057

115 g 
10534115



VIDEO





Repair Stick Concrete

Fast cure, ceramic-filled

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 
10537057

115 g 
10537115



Repair Sticks

Technical Data

WEICON Repair-Sticks in non-cured condition											
	Aluminium	Aqua	Concrete	Stainless steel	Wood	Plastic	Copper	Steel	Titanium	Multi-Purpose	
Basis:	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	
Nature:	putty										
Supplied in:	Stick										
Contents:	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	
Mixing proportion by volume resin / hardener (automatically):	1 : 1										
Pot-life with 25 g material and at +20°C (+68°F) (in minutes):	4	15	6	4	15	20	3	4	30	4	
Density of the mixture (g/cm ³):	1,9	1,9	1,9	2,0	0,9	1,6	1,9	2,0	1,9	1,9	
Temperature °C (°F)	Processing: ^{*1}	+10 to +35 (+50 to +95)	+10 to +40 (+50 to +104)	+10 to +35 (+50 to +95)	+10 to +35 (+50 to +95)	+10 to +40 (+50 to +104)	+10 to +40 (+50 to +104)	+10 to +30 (+50 to +86)	+10 to +35 (+50 to +95)	+10 to +50 (+50 to +122)	+10 to +40 (+50 to +104)
	Curing:	+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 +40 (+43 to +104)	+6 to +40 (+43 to +104)
Colour after curing:	aluminium	white	concrete-grey	grey	light beige	light blue	copper	dark-grey	grey-green	white	
Gap covering power to max.: ^{**2}	15 mm										
Curing time at 20°C (+68°F)	Handling strength (35% strength) after:	10 min.	30 min.	15 min.	10 min.	45 min.	40 min.	10 min.	10 min.	1 hrs.	15 min.
	Capable of bearing mechanical loads (50% strength) after:	60 min.	60 min.	60 min.	60 min.	60 min.	3 hrs.	60 min.	60 min.	4 hrs.	60 min.
	Final strength (100% strength) after:	24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.	36 hrs.	24 hrs.	24 hrs.	48 hrs. (24 hrs. at +65°C/+149°F)	24 hrs.
WEICON Repair Sticks in cured condition											
Pressure (DIN 53281-83) N/mm ² (psi):	80 N/mm ² (11.600)	75 N/mm ² (10.875)	80 N/mm ² (11.600)	80 N/mm ² (11.600)	75 N/mm ² (10.875)	65 N/mm ² (9.425)	80 N/mm ² (11.600)	80 N/mm ² (11.600)	80 N/mm ² (11.600)	40 N/mm ² (5.800)	
Shore hardness D:	75	65	80	75	70	65	80	75	80	70	
Average tensile shear strength after 7 days at +20°C (+68°F) in accordance with DIN 53283 N/mm ² (psi):	Aluminium sandblasted	Steel sandblasted	Concrete	Stainless steel sandblasted	Beech sanded	PVC sanded	Copper sandblasted	Steel sandblasted	Steel sandblasted	Steel sandblasted	
	4,2 N/mm ² (609)	6,2 N/mm ² (899)	4,8 N/mm ² (696)	3,9 N/mm ² (566)	6,2 N/mm ² (899)	2,4 N/mm ² (348)	4,8 N/mm ² (696)	4,1 N/mm ² (595)	7,5 N/mm ² (1.080)	6,5 N/mm ² (943)	
Temperature resistance °C (°F):	-50 to +120, briefly +150 (-58 to +248, briefly +302)								-50 to +280, briefly +300 (-58 to +536, briefly +572)		-25 to +120, briefly +150 (-13 to +248, briefly +302)
Thermal conductivity (ASTM D 257):	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	
Linear shrinkage:	< 1%										
Electrical resistance (ASTM D 257):	5 · 10 ¹¹ Ω/cm										
Dielectric strength (ASTM D 149):	3,0 kV/mm										
Thermal expansion coefficient (ISO 11359):	30-40 x 10 ⁻⁶ K ⁻¹										

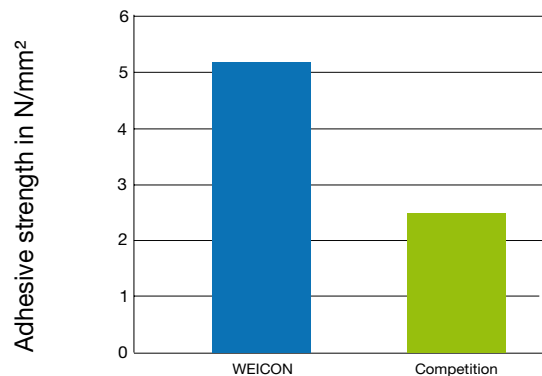
*1 For easier workability when ambient temperatures are low, the sticks should be warmed up to room temperature (20°C/+68°F) before application.

**2 Max. 15 mm per procedure

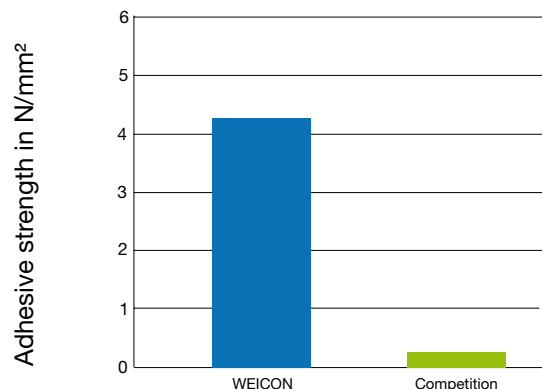
Test Results

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.

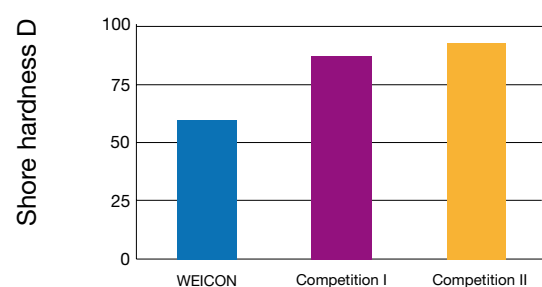
Adhesive strength of Repair Stick Steel



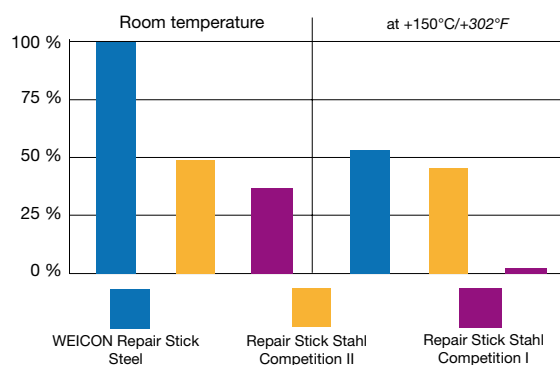
Adhesive strength of Repair Stick Aqua



Shore hardness D Repair Stick Plastic after completely hardening

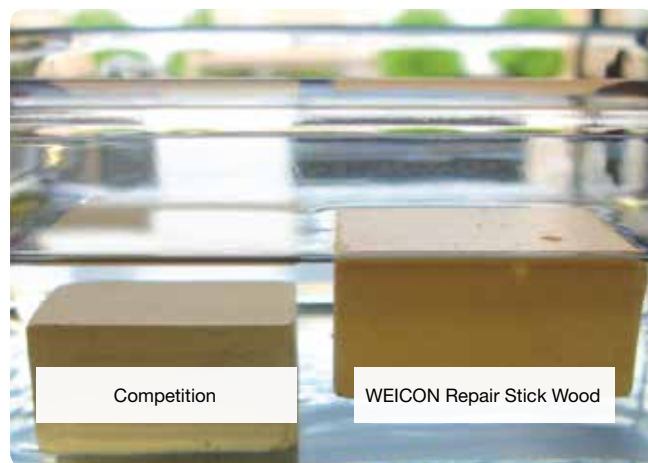


Tensile shear strength on steel



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 was given the same density as wood. Following curing it can be processed like wood, e.g. sanded and painted. 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 Sticks

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.

Restoration of a picture frame





WEICON Epoxy Adhesives

Fast, safe, economical

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 e.g.

- metals
- hard plastics
- fibre-reinforced materials (GRP, CFRP, fibreglass etc.)
- ceramics
- glass, stone
- wood etc.

Today's requirements are ever more demanding (e.g. optically attractive joints along with very high strength). Frequently these materials are combined with one another, which leads to additional requirements.

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
- through the use of thinner and lighter materials, simpler and more cost-effective constructions are often possible. This can sometimes result in considerable reductions in both weight and costs.

WEICON Easy-Mix Mixing and Dosing System

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

That way, a uniform quality and process assurance 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



WEICON Easy-Mix Hand Dispenser D50

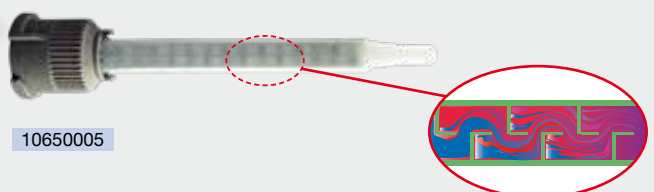
Robust, fracture-resistant construction of fibreglass-reinforced plastic (polyamide) with a metal trigger.

10653050

WEICON Mixing Nozzles

Quadro Mixing Nozzle

For all Easy-Mix types (except "Metal" and HT 180)



10650005

Helix Mixing Nozzle

For Easy-Mix Metal and HT 180



10650006



Epoxy Resin Systems

Epoxy Adhesives



Epoxy Minute Adhesive

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

24 ml ✓
10550024

Can alternatively be processed with Quadro Mixing Nozzle (Art.-No. 10650005).



Fast-Metal Minute Adhesive

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

24 ml ✓
10551024



Easy-Mix S 50

50 ml ✓
10650050

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



Easy-Mix Metal

50 ml ✓
10652050

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



Easy-Mix N 50

50 ml ✓
10650150

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



Easy-Mix N 5000

50 ml ✓
10650250

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



The ideal adhesive for
POWDERCOATING

Easy-Mix HT 180

50 ml ✓
10650850

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

Technical Data

WEICON Epoxy Adhesives in liquid condition								
		Easy-Mix S 50	Easy-Mix N 50	Easy-Mix N 5000	Easy-Mix Metal	Easy-Mix HT 180	Epoxy Minute Adhesive	Fast Metal Minute Adhesive
Basis:		Epoxy resin unfilled	Epoxy resin unfilled	Epoxy resin unfilled	Epoxy resin	Epoxy resin mineral-filled	Epoxy resin unfilled	Epoxy resin high-filled
Nature:		viscous	viscous	fluid	viscous	pasty, gap-filling	viscous	crack-filler
Supplied in:		double cartridge	double cartridge	double cartridge	double cartridge	double cartridge	double syringe	double syringe
Content:		50 ml	50 ml	50 ml	50 ml	50 ml	24 ml	24 ml
Mixing proportion by volume resin / hardener (automatically):		1 : 1	1 : 1	1 : 1	1 : 1	2 : 1	1 : 1	1 : 1
Pot life with 10 ml material at +20°C (+68°F)		4 - 5	45	20	4 - 5	60	3 - 4	3 - 4
Density of the mixture (g/cm³):		1,15	1,07	1,07	1,80	1,10	1,15	1,80
Viscosity of the mixture at +20°C (+68°F):		8.500 mPa·s (cP)	7.500 mPa·s (cP)	5.000 mPa·s (cP)	300.000 mPa·s (cP)	pasty	8.500 mPa·s (cP)	300.000 mPa·s (cP)
Temperature	Processing*1:	+10°C to +30°C (+50°F to +86°F)	+10°C to +40°C (+50°F to +104°F)	+10°C to +35°C (+50°F to +95°F)	+10°C to +30°C (+50°F to +86°F)	+10°C to +40°C (+50°F to +104°F)	+10°C to +30°C (+50°F to +86°F)	+10°C to +30°C (+50°F to +86°F)
	Cure:	+6°C to +40°C (+43°F to +104°F)	+10°C to +40°C (+50°F to +104°F)	+6°C to +40°C (+43°F to +104°F)	+6°C to +40°C (+43°F to +104°F)	+10°C to +50°C (+50°F to +122°F)	+6°C to +40°C (+43°F to +104°F)	+6°C to +40°C (+43°F to +104°F)
Colour:		transparent	slightly yellowish, clear	almost colourless, glass clear	grey	black	transparent	grey
Gap covering power to max.*2:		2 mm	2 mm	2 mm	4 mm	4 mm	2 mm	4 mm
Cure time at +20°C (+68°F)	Handling strength (35%) after:	30 minutes	120 minutes	60 minutes	40 minutes	2 hours	30 minutes	40 minutes
	Capable of bearing mechanical loads (50% strength) after:	1 hour	24 hours	3 hours	2 hours	4 hours	1 hour	2 hours
	Final strength (100%) after:	24 h	72 h	48 h	24 h	24 h	24 h	24 h
WEICON Epoxy Adhesives in fully-cured condition								
Average strength of the pure epoxy resin in accordance with DIN 53281-83	Pressure MPa (psi):	9 (1.300)	2 (300)	10 (1.500)	10 (1.500)	52 (7.540)	9 (1.300)	10 (1.500)
	Tensile MPa (psi):	40 (5.800)	35 (5.100)	40 (5.800)	24 (3.500)	27 (3.910)	40 (5.800)	24 (3.500)
	Torsion MPa (psi):	58 (8.400)	50 (7.300)	50 (7.300)	58 (8.400)	46 (6.670)	58 (8.400)	58 (8.400)
	E-Modul MPa (ksi):	2.000 - 2.500 (300 - 400)	2.000 - 2.500 (300 - 400)	1.700 - 2.000 (200 - 300)	4.000 - 4.500 (600 - 700)	2.300 - 2.700 (330 - 390)	2.000 - 2.500 (300 - 400)	4.000 - 4.500 (600 - 700)
	Shore hardness D:	65	55	65	70	80	65	70
Average tensile shear strength as per DIN 53283 on:	Steel, sand-blasted N/mm² (psi):	20 (2.900)	17 (2.500)	21 (3.000)	20 (2.900)	23 (3.330)	20 (2.900)	20 (2.900)
	Aluminium, sand-blasted N/mm² (psi):	19 (2.800)	16 (2.300)	19 (2.800)	19 (2.800)	13 (1.880)	19 (2.800)	19 (2.800)
	Rigid PVC, roughened N/mm² (psi):	13 (1.900)	11 (1.600)	14 (2.000)	11 (1.600)	11 (1.600)	13 (1.900)	11 (1.600)
Temperature resistance:		-50°C to +80°C (-58°F to +176°F)	-50°C to +100°C (-58°F to +212°F)	-50°C to +100°C (-58°F to +212°F)	-50°C to +145°C*3 (-58°F to +293°F)*3	-50°C to +180°C (-58°F to +356°F) briefly to +230°C (+446°F)	-50°C to +80°C (-58°F to +176°F)	-50°C to +145°C*3 (-58°F to +293°F)*3
Linear shrinkage*4:		20 mm/m approx. 2,0 %	20 mm/m approx. 2,0 %	20 mm/m approx. 2,0 %	3 mm/m approx. 0,3 %	3 mm/m approx. 0,3 %	20 mm/m approx. 2,0 %	3 mm/m approx. 0,3 %

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

*2 These details are dependent on the type and structure of the materials to be bonded, and are only to be taken into account for bonding work. In the case of casting, e.g. of electronic components, the thickness of a layer should not be allowed to exceed 10 mm.

*3 After 20 hours at room temperature (+20°C/+68°F), post-temper at +100°C (+212°F) for about 14 hours.

*4 Measured on a casting 900 x 75 x 10 mm after 7 days stored at +20°C (+68°F).

Epoxy Adhesives

Type selection table

	Easy-Mix S 50	Easy-Mix N 50	Easy-Mix N 5000	Easy-Mix Metal	Easy-Mix HT 180	Epoxy 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
Acetone	o
Ammonia fumes	+
Petrol	+
Butyl acetate	+
Butyl alcohol	+
Calcium hydroxide	+
Calcium sulphate	+
Chlorine gas, liquid and dry	+
Chlorinated water	+
Chromic acid	+
Diesel fuel oil	+
Crude oil and crude oil products	+
Ethylcellulose	+
Formaldehyde	o
Glycerine	+
Glycol	o
Caustic potash solution	+
Potassium carbonate	+
Kerosene (Jetfuel JP 4)	+
Sodium chloride solution	+
Carbon dioxide	+

Medium	Resistance
Aliphatic hydrocarbons	+
Aromatic hydrocarbons	-
Lactose	+
Machine oil	+
Methanol Ethanol	+
Lactic acid	-
Motor oil	+
Naphthalene	-
Sodium chloride	+
Sodium carbonate	+
Sodium hydroxide	+
Petroleum	+
Phosphoric acid (0-5%)	+
Phosphoric acid (5-10%)	o
Hydrochloric acid	o
Nitric acid	-
Sulphur dioxide	+
Carbon disulphide	+
Sulphuric acid%	-
Toluene	-
Xylene	-
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.

WEICON Urethanes

Flexible and wear-resistant coating resin with high impact strength and abrasion resistance.

WEICON Urethanes are 2-component polyurethanes that cure at room temperature to tough rubber-like materials, remaining flexible at temperatures down to even -60°C (-76°F).



Liquid

Urethane 45

Shore hardness: A 45

0,5 kg ✓
10514005

Urethane 60

Shore hardness: A 60

0,5 kg ✓
10516005

Urethane 80

Shore hardness: A 80

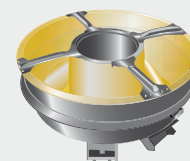
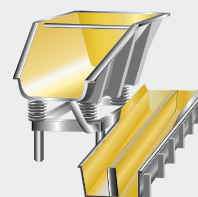
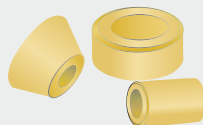
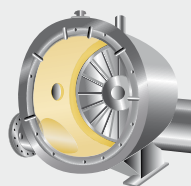
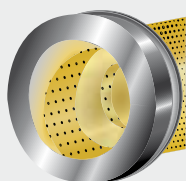
0,5 kg ✓
10518005

Pasty

Urethane 80 Putty

Shore hardness: A 80

0,5 kg ✓
10518505



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
- cyclones
- tanks
- loading areas

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

Polyurethane Systems

Urethanes



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	13550125	250 ml
Primer S 300	For porous and absorbent materials like wood, concrete, stone, etc.	13550325	250 ml
Urethane Colour Paste	Special colour paste on the basis of finely dispersed pigments	10519250	250 g
Primer Applicator	For application of WEICON Primer	13955050	-

Technical Data:

WEICON Urethanes in non-cured condition				
	Urethane 45	Urethane 60	Urethane 80	Urethane 80 Putty
Basis:	Polyurethane			
Complete packaging sizes:	0,5 kg			
Mixing ratio (weight %): Resin/Hardener	100 : 180	100 : 150	100 : 80	100 : 25
Pot life at +20°C (68°F) min.:	25			20
Density of the mixture (g/cm³):	1,04	1,04	1,00	1,28
Viscosity at +25°C (77°F) Resin/Hardener (mPa·s):	5.000 / 500	5.000 / 520	5.000 / 190	2.000 / 40
Mixture viscosity at +25°C (77°F) (mPa·s):	1.500	1.500	2.000	pasty
Cure times at +20°C (+68°F)	High mechanical load capacity / detachable after	12- 20 hours		
	Final strength (100%) after:	approx. 48* hours		
WEICON Urethanes in cured condition				
Tensile strength according to ISO 37 MPa (psi):	3,5 (600)	5,0 (800)	8,0 (1.200)	8,0 (1.200)
Elongation at break according to ISO 37 (%):	1.450	1.250	600	120
Resistance to further tearing (kN/m):	7,5	10	15	15
Shore hardness A:	45	60	80	80
Colour after curing:	light-beige			black
Temperature resistance:	-60°C to +90°C (-76 to +194°F)			

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

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-coated	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

Application thickness (mm):	0,20*	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	
Consumption per m² (kg)	Urethane 45, 60, 80	0,21	0,53	1,05	1,60	2,10	2,65	3,20	3,70	4,20
	Urethane 80 Putty	0,25	0,64	1,28	1,90	2,60	3,20	3,90	4,50	5,20

*Min. layer thickness



Easy-Mix PU-90 / PU-240

Fast, strong adhesion, reliable



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 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 -55°C to +125°C (-67 to +257°F)



Easy-Mix PU-90

50 ml ✓
10751050

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



Easy-Mix PU-240

50 ml ✓
10753050

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



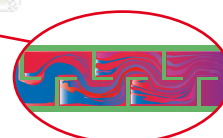
WEICON Easy-Mix Hand Dispenser D50

10653050

WEICON Quadro Mixing Nozzle



10650005



Polyurethane Systems

PU-90 PU-240



Production of plastic sandwich panels



Gluing an aluminium pipe onto a plastic front panel

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	0
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	0
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 PU-90	Easy-Mix PU-240
Basis	Polyurethane	Polyurethane
Mixing ratio Resin / Hardener	1 : 1	1 : 1
Colour after curing	grey	grey
Density of the mixture	1,30 - 1,35 g/cm ³	1,30 - 1,35 g/cm ³
Pot life at +20°C (+68°F)	90 sec.	240 sec.
Handling strength (35%) after	5 min.	5 min.
Mechanical loads (50% strength) after	10 min.	10 min.
Final strength (100%) after	12 h	12 h
Adhesive gap bridging	0,1 - 4,0 mm	0,1 - 4,0 mm
On Aluminium (0,26 mm)	13 N/mm ² (1.900 psi)	14 N/mm ² (2.000 psi)
On Steel bright (0,26 mm)	19 N/mm ² (2.800 psi)	23 N/mm ² (3.300 psi)
On Stainless steel (0,26 mm)	17 N/mm ² (2.500 psi)	18 N/mm ² (2.600 psi)
Average E-module +20°C (+68°F)	650 - 750 N/mm ² (90 - 110 ksi)	450 - 550 N/mm ² (70 - 80 ksi)
Shore hardness D DIN EN ISO 868	66	68
Tensile strength ISO 527 max.	21 N/mm ² (3.000 psi)	20 N/mm ² (2.900 psi)
Tensile Extension ISO 527 max.	35%	31%
Temperature resistance	-55 to +125°C (-67 to +257°F)	-55 to +125°C (-67 to +257°F)
Thermoforming resistance	+65°C (+149°F)	+65°C (+149°F)
TGA decomposition temperature (onset-temp.)	+330°C (+626°F)	+336°C (+637°F)



RK-1300 / RK-1500 Structural Acrylic Adhesives

High strength, impact-resistant

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.



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.

VIDEO



Structural Acrylic Adhesives

RK-1300 RK-1500

RK-1300

Pasty, strong, fast-curing

- 60 g*¹ ✓
10560060
- 330 g*² ✓
10560330
- 1,0 kg*¹ ✓
10560800
- 6,0 kg*² ✓
10561906

*1 Complete package consisting of adhesive and activator
*2 without activator

RK-1500

Liquid, strong, fast-curing

- 60 g*¹ ✓
10563860
- 310 g*² ✓
10563330
- 1,0 kg*¹ ✓
10563800
- 6,0 kg*² ✓
10563906

*1 Complete package consisting of adhesive and activator
*2 without activator

RK-Activator

- 100 ml ✓
10562100
- 1 L ✓
10562901



Illumination bonding (aluminium / glass)



Bonding of plastic plates (PU)



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Easy-Mix RK-Structural Adhesives and Plastic Bond



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.

Thanks to the modern Easy-Mix mixing and dosing system the adhesives can be cleanly and accurately automatically dosed, mixed and applied in only one working step. That way, a uniform quality and process assurance is guaranteed in a production series. 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
- grindable and paintable
- temperature-resistant from -55°C to $+125^{\circ}\text{C}$ (-67 to $+257^{\circ}\text{F}$)

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

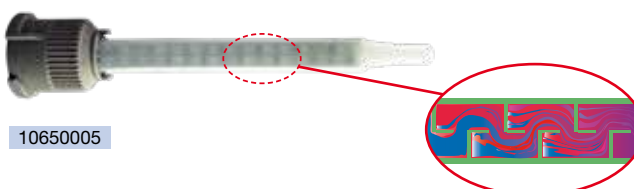
WEICON Easy-Mix Hand Dispenser D50

10653050



Bonding of a polycarbonate letter on a brushed stainless steel plate.

WEICON Quadro Mixing Nozzle



10650005

Structural Acrylic Adhesives

RK-Structural Adhesives and Plastic Bond

Easy-Mix RK-7000

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

50 g ✓
10565050

Easy-Mix RK-7300

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

50 g ✓
10569050

Easy-Mix RK-7100

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

50 g ✓
10566050

Easy-Mix RK-7200

Transparent, high strength, impact-resistant, residual elasticity

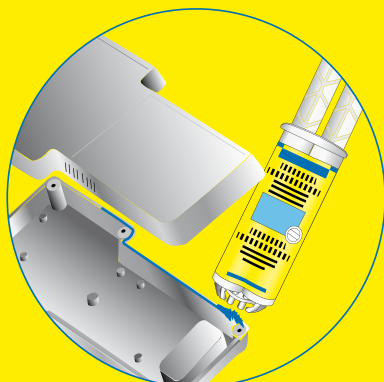
50 g ✓
10564050



Plastic-Bond

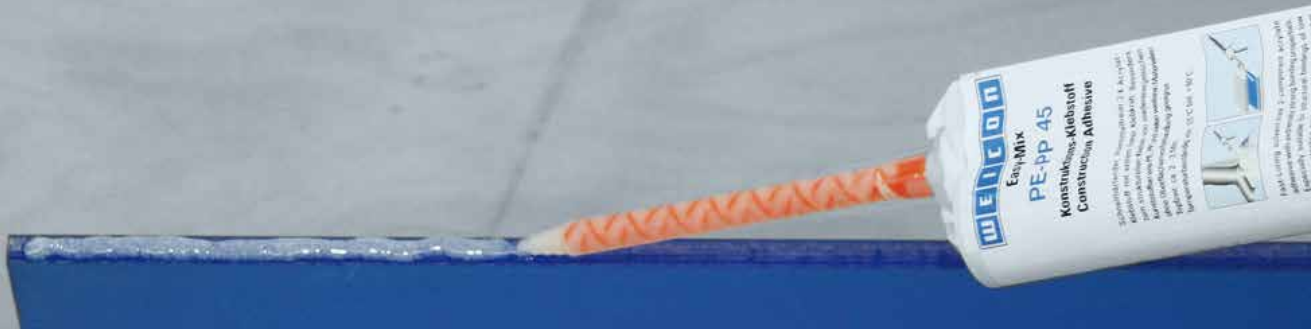
Excellent adhesion to plastics, high strength, shock- and impact-resistant

24 ml ✓
10565024



Can alternatively be processed with Quadro Mixing Nozzle (Art.-No. 10650005).





Easy-Mix PE-PP 45

Fast, high-strength, process-safe

WEICON Easy-Mix PE-PP 45 is a 2-component construction adhesive on the basis of methyl acrylate. It is in particular suitable for structural, high-strength bonding of low energy plastics like PE, PP and TPE.

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

- Rigid PVC (polyvinyl chloride)
- PA (polyamide)
- PC (polycarbonate)
- ABS (acrylonitrile-butadiene styrene)
- PMMA (polymethyl methacrylate)
- Fibre reinforced materials (GRP, CRP, fibre glass etc.) and many others.



38 ml ✓
10660038
yellowish, transparent



Hand Dispenser PE-PP
10663038

Mixing Nozzles PE-PP
10660002

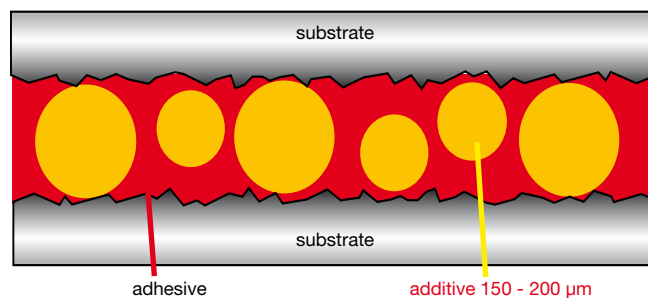
Special Piston
10663110

For retrofitting the Hand Dispenser Easy-MixD 50 to Easy-Mix PE-PP 45

WEICON Easy-Mix PE-PP 45 features the following 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
- aging-resistant
- chemical-resistant
- controlled bonding gap of min. 0.15 - 0.20 mm through special additives (glass beads)
- pasty, stable

Graphical representation of a bonding gap with WEICON Easy-Mix PE-PP



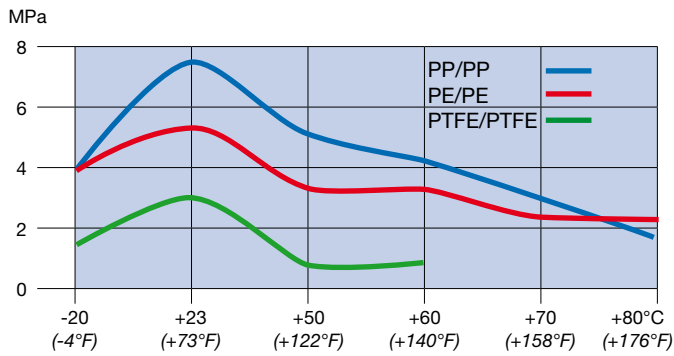
Switch housing made of flame-retarding ABS

Material	Abbreviation	Surface Tension mN/m
Low surface tension (difficult to bond)		
Polypropylene	PP	29
Polyethylene	PE, HDPE	31
Polyester	PBT	32
Polyamide	PA	<36
Acrylic	PMMA	<36
Epoxy resin	EP	<36
Polyacetal	POM	<36
High surface tension (easy to bond)		
Polystyrene	PS	38
Polyvinylchloride	PVC	39
Polyester	PET	41
Phenolic resin	PF	42
Polyurethane	PUR	43
Polycarbonate	PC	46
Water	H ₂ O	73
Aluminium	Al	840
Copper	Cu	1100
Iron	Fe	2550

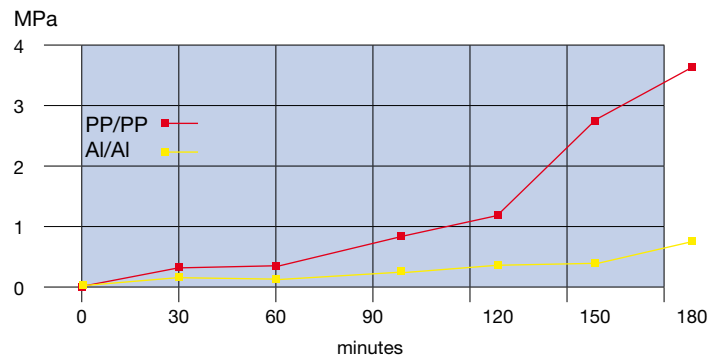
Structural Acrylic Adhesives

PE-PP 45

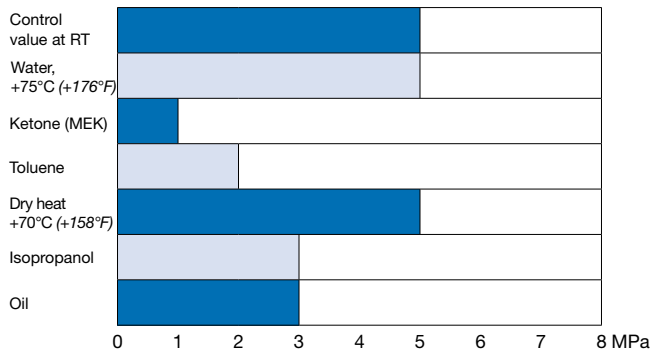
Tensile shear strength of WEICON Easy-Mix PE-PP 45 compliant with DIN 53283 in temperature curve



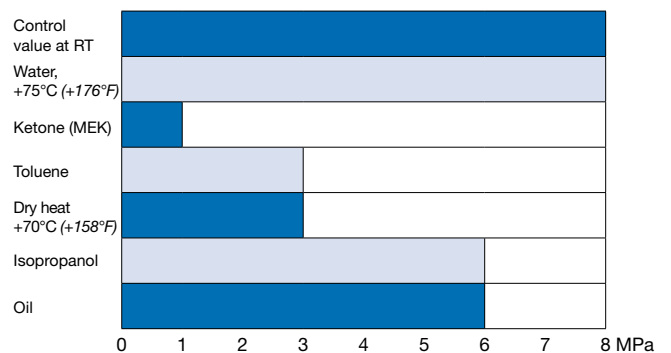
Strength development of WEICON Easy-Mix PE-PP 45 on tensile shear test samples compliant with DIN 53283



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



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



Specification of the test specimen:

Standard: DIN 53283
Adhesive surface: 12.5 mm x 25 mm
Adhesive thickness: 0.2 mm

Curing: 7 days at room temperature
Testing speed: 10 mm/min



Technical Data

	RK-1300	RK-1500	RK-7000	RK-7100	RK-7200	RK-7300	PE-PP 45	Plastic-Bond
Basis	Methyl methacrylate	Methyl methacrylate	Methyl methacrylate	Methyl methacrylate	Methyl methacrylate	Methyl methacrylate	Methyl methacrylate	Methyl methacrylate
Mixing ratio resin / hardener	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	10 : 1	1 : 1
Colour after curing	beige, opaque	yellowish, transparent	cream white, milky	cream white, milky	transparent	translucent/creamy white	yellowish, transparent	cream white, milky
Density of the mixture	-	-	0,98 - 1,02 g/cm ³	0,98 - 1,02 g/cm ³	1,2 g/cm ³	1,00 g/cm ³	1,07 g/cm ³	0,98 - 1,02 g/cm ³
Pot life at +20°C (+68°F)	-	-	approx. 15 min.	approx. 5 min.	approx. 1 - 2 min.	approx. 8 min.	approx. 2 - 3 min.	approx. 15 min.
Viscosity of the mixture (mPa·s)	21.000 (Adhesive)	4.500 (Adhesive)	40.000 - 60.000	40.000 - 60.000	5.000 - 8.000	170.000 - 200.000	45.000	40.000 - 60.000
Adhesive gap bridging	max. 0,40 mm (Activator application on one side*) max. 0,80 mm (Activator application on both sides*)		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 - 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)	-40 to +120°C (-40 to +248°F)	-55 to +100°C (-67 to +212°F)	-50 to +80°C (-58 to +176°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. 8 Min.	approx. 1 h	2 - 3 h (PP-PP) 6 h (Alu-Alu)	approx. 40 Min.
Mechanical loads (50% strength) after	approx. 9 Min.	approx. 8 Min.	approx. 60 Min.	approx. 60 Min.	approx. 120 Min.	approx. 8 h	3 - 4 h (PP-PP) 24 h (Alu-Alu)	approx. 60 Min.
Final strength (100%) after	approx. 24 h	approx. 24 h	approx. 12 h	approx. 12 h	approx. 6 h	approx. 24 h	24 h (PP-PP) 72 h (Alu-Alu)	approx. 12 h
Shore hardness D DIN EN ISO 868	-	-	70	75	45 - 55	40 - 50 D	55	70
Tensile strength DIN 53281:								
- Aluminium	20 N/mm ² (2.900 psi)	20 N/mm ² (2.900 psi)	20 N/mm ² (2.900 psi)	20 N/mm ² (2.900 psi)	8 N/mm ² (1.160 psi)	5 N/mm ² (730 psi)	14 N/mm ² (2.030 psi)	20 N/mm ² (2.900 psi)
- Steel	25 N/mm ² (3.600 psi)	25 N/mm ² (3.600 psi)	23 N/mm ² (3.300 psi)	23 N/mm ² (3.300 psi)	18 N/mm ² (2.600 psi)	5 N/mm ² (730 psi)	17 N/mm ² (2.470 psi)	23 N/mm ² (3.300 psi)
- Stainless Steel	25 N/mm ² (3.600 psi)	30 N/mm ² (4.350 psi)	22 N/mm ² (3.190 psi)	22 N/mm ² (3.190 psi)	18 N/mm ² (2.600 psi)	4 N/mm ² (580 psi)	16 N/mm ² (2.320 psi)	22 N/mm ² (3.190 psi)
- PC (polycarbonate)	10 N/mm ² (1.450 psi)	10 N/mm ² (1.450 psi)	11 N/mm ² (1.600 psi)	12 N/mm ² (1.740 psi)	7 N/mm ² (1.020 psi)	6 N/mm ² (870 psi)	6 N/mm ² (870 psi)	11 N/mm ² (1.600 psi)
- PMMA	9 N/mm ² (1.310 psi)	8 N/mm ² (1.160 psi)	9 N/mm ² (1.310 psi)	9 N/mm ² (1.310 psi)	9 N/mm ² (1.310 psi)	6 N/mm ² (870 psi)	7 N/mm ² (1.000 psi)	9 N/mm ² (1.310 psi)
- ABS	6 N/mm ² (900 psi)	6 N/mm ² (900 psi)	7 N/mm ² (1.000 psi)	7 N/mm ² (1.000 psi)	7 N/mm ² (1.000 psi)	8 N/mm ² (1.160 psi)	11 N/mm ² (1.600 psi)	7 N/mm ² (1.000 psi)
- rigid PVC	7 N/mm ² (1.000 psi)	11 N/mm ² (1.600 psi)	12 N/mm ² (1.740 psi)	12 N/mm ² (1.740 psi)	8 N/mm ² (1.160 psi)	11 N/mm ² (1.600 psi)	14 N/mm ² (2.030 psi)	12 N/mm ² (1.740 psi)
- GFK	16 N/mm ² (2.320 psi)	20 N/mm ² (2.900 psi)	21 N/mm ² (3.000 psi)	21 N/mm ² (3.000 psi)	9 N/mm ² (1.310 psi)	7 N/mm ² (1.000 psi)	17 N/mm ² (2.470 psi)	21 N/mm ² (3.000 psi)
- CFK	24 N/mm ² (3.500 psi)	27 N/mm ² (3.920 psi)	22 N/mm ² (3.190 psi)	22 N/mm ² (3.190 psi)	12 N/mm ² (1.740 psi)	7 N/mm ² (1.000 psi)	16 N/mm ² (2.320 psi)	22 N/mm ² (3.190 psi)
- Polyamide 6.6	2 N/mm ² (300 psi)	3 N/mm ² (400 psi)	1 N/mm ² (150 psi)	1 N/mm ² (150 psi)	2 N/mm ² (290 psi)	3 N/mm ² (440 psi)	6 N/mm ² (870 psi)	1 N/mm ² (150 psi)
- POM (polyoxymethylen)	-	-	-	-	-	5 N/mm ² (730 psi)	2 N/mm ² (290 psi)	-
- PE-HD	-	-	-	-	-	5 N/mm ² (730 psi)	7 N/mm ² (1.000 psi)	-
- PP (polypropylene)	-	-	-	-	-	6 N/mm ² (870 psi)	8 N/mm ² (1.160 psi)	-
- PTFE (polytetrafluorethylen)	-	-	-	-	-	2 N/mm ² (290 psi)	-	-
- EPDM (Shore A70)	-	-	-	-	-	1 N/mm ² (150 psi)	-	-

*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
Glycol, 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

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yellow/green/red 81

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1-Component Adhesives and Sealants

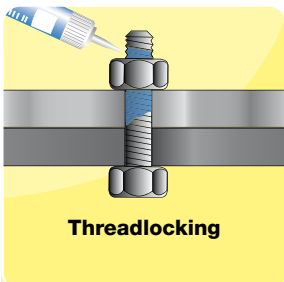




WEICONLOCK®

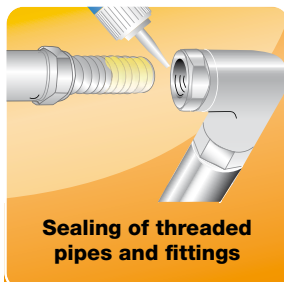
WEICONLOCK are one-component anaerobic adhesives and sealants, especially made for metal assembly parts.

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



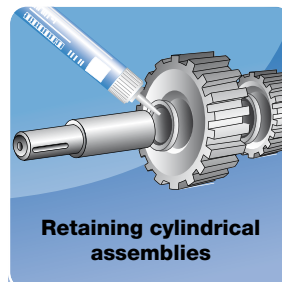
Threadlocking

- screws and nuts
- stud bolts



Sealing of threaded pipes and fittings

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



Retaining cylindrical assemblies

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



Flange sealing, gasketing

- flanges
- cases
- lids

WEICONLOCK is suitable for all metals and certain plastics. It can be applied either manually or semi / fully automatic. 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 031-1
 "List of nonmetallic materials compatible with oxygen"
 (DGUV information 213-078) of BGR RCI



WEICONLOCK® Anaerobic Adhesives and Sealants



WEICONLOCK Activator F

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.

200 ml ✓
30700200
Spray

1 L ✓
30700501
Liquid



Dosing tip

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

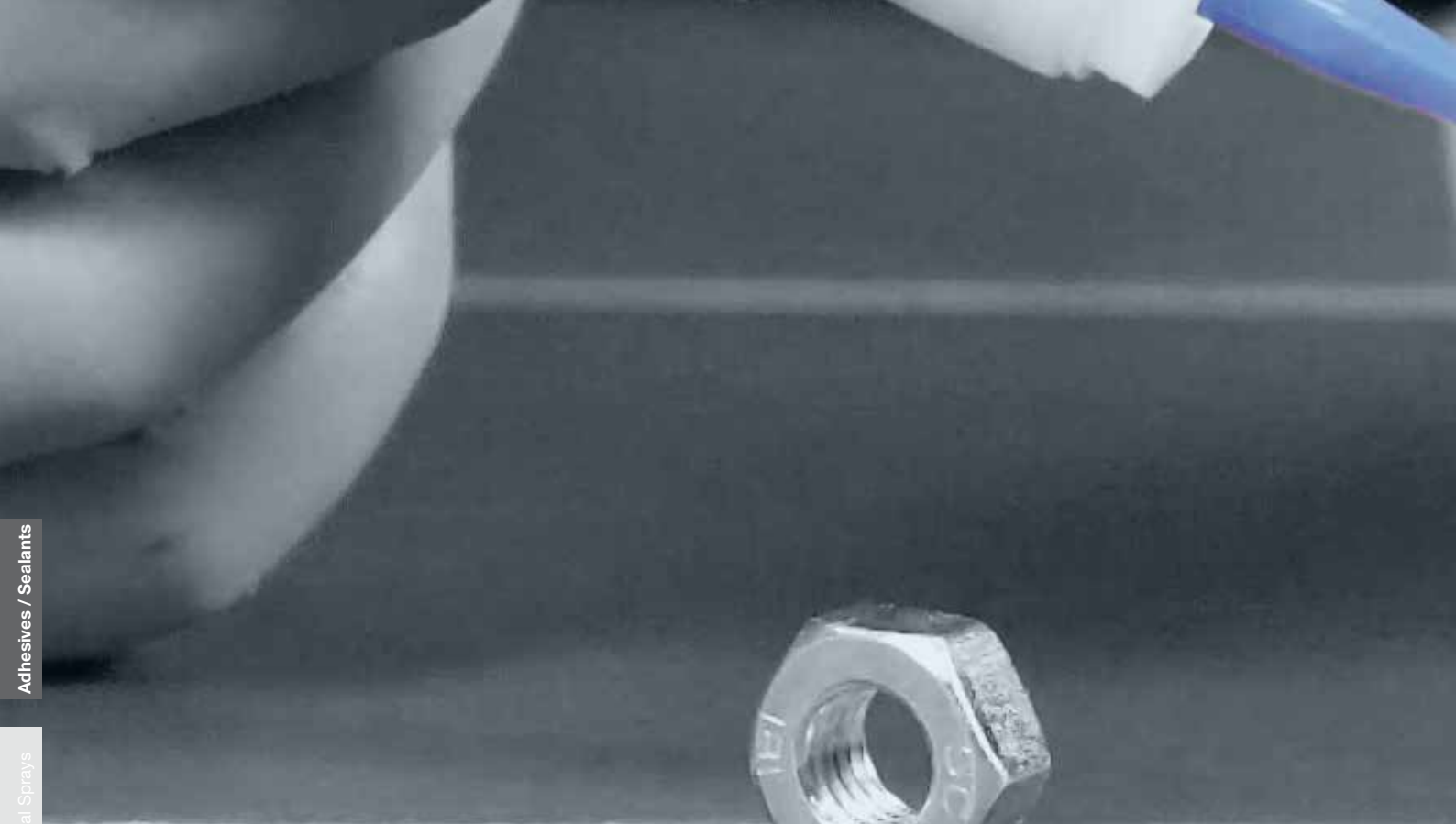


30955172
Dosing tip L
Gr. 1



VIDEO





AN 301-43

Threadlocking, classified as non-hazardous, drinking water approval and DVGW approval

higher viscosity
medium strength
disassembly with normal tools

- 20 ml ✓
30143020
- 50 ml ✓
30143150
- 200 ml ✓
30143200



Certified to NSF/ANSI 61

AN 301-70

Threadlocking, classified as non-hazardous, drinking water approval

medium viscosity
high strength
hard to disassemble

- 20 ml ✓
30170020
- 50 ml ✓
30170150
- 200 ml ✓
30170200



Certified to NSF/ANSI 61

AN 302-21

Threadlocking, vibration-proof

low viscosity
low strength
easy disassembly

- 20 ml ✓
30221020
- 50 ml ✓
30221150
- 200 ml ✓
30221200



AN 302-22

Threadlocking, vibration-proof

medium viscosity
low strength
easy disassembly

- 20 ml ✓
30222020
- 50 ml ✓
30222150
- 200 ml ✓
30222200



AN 302-40

Threadlocking, vibration-proof
DVGW approval

medium viscosity
medium strength
disassembly with normal tools

- 20 ml ✓
30240020
- 50 ml ✓
30240150
- 200 ml ✓
30240200



Threadlocking

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

AN 302-41

Threadlocking, vibration-proof

low viscosity
medium strength
easy disassembly

- 20 ml ✓ 30241020
- 50 ml ✓ 30241150
- 200 ml ✓ 30241200



AN 302-42

Threadlocking, drinking water approval

medium viscosity
medium strength
disassembly with normal tools

- 20 ml ✓ 30242020
- 50 ml ✓ 30242150
- 200 ml ✓ 30242200



AN 302-43

Threadlocking, DVGW and drinking water approval

higher viscosity
medium strength
disassembly with normal tools

- 10 ml ✓ 30243110
- 20 ml ✓ 30243020
- 50 ml ✓ 30243150

- 200 ml ✓ 30243200



AN 302-44

Threadlocking for passive materials*, DVGW and drinking water approval

higher viscosity
medium strength
disassembly with normal tools

- 20 ml ✓ 30244020
- 50 ml ✓ 30244150
- 200 ml ✓ 30244200



* 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 ✓ 50 ml ✓ 200 ml ✓
30250020 30250150 30250200



AN 302-60

Threadlocking for passive materials*

medium viscosity
high strength
hard to disassemble

20 ml ✓ 50 ml ✓ 200 ml ✓
30260020 30260150 30260200



AN 302-62

Threadlocking

higher viscosity
strong
hard to disassemble

20 ml ✓ 50 ml ✓ 200 ml ✓
30262020 30262150 30262200



*



Passive materials:
(slow curing)

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

AN 302-71

Locking of threads and stud bolts

medium viscosity
high strength
hard to disassemble

20 ml ✓ 50 ml ✓ 200 ml ✓
30271020 30271150 30271200



VIDEO



AN 302-70

Locking of threads and stud bolts
drinking water and DVGW approval

medium viscosity
high strength
hard to disassemble

10 ml ✓ 20 ml ✓ 50 ml ✓
30270110 30270020 30270150

200 ml ✓
30270200



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

Threadlocking

AN 302-72

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

higher viscosity
high strength
hard to disassemble

- 20 ml
30272020
- 50 ml
30272150
- 200 ml
30272200



AN 302-90

Threadlocking, for subsequent locking and sealing of hairline cracks

extremely low viscosity, capillary
high strength
hard to disassemble

- 20 ml
30290020
- 50 ml
30290150
- 200 ml
30290200



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

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)
					8 - 12 Nm*	5 - 8 Nm*		20 - 40 min.*	4 - 8 h*	
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)
					15 - 20 Nm*	30 - 35 Nm*		5 - 10 min.*	6 - 12 h*	
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





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

- 50 ml ✓
30165150
- 200 ml ✓
30165200
- 300 ml ✓
30165300



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 ✓
30172150
- 200 ml ✓
30172200
- 300 ml ✓
30172300



AN 302-25

Pipe and thread sealing, vibration-proof for coarse threads

high viscosity
low strength
easy disassembly

- 50 ml ✓
30225150
- 200 ml ✓
30225200



AN 302-75

Pipe and thread sealing, BAM tested and safety-related evaluated*

high viscosity
high strength
hard to disassemble

- 50 ml ✓
30275150
- 200 ml ✓
30275200



*- according to leaflet M 031-1 "List of nonmetallic materials compatible with oxygen" (DGV information 213-078) of BG RCI

AN 302-45

Pipe and thread sealing for coarse threads, DVGW approval

high viscosity
medium strength
disassembly with normal tools

- 50 ml ✓
30245150
- 200 ml ✓
30245200



WEICONLOCK® Pipe and Thread Sealing

Adhesives / Sealants

AN 302-77

Pipe and thread sealing for large thread parts and flanges

higher viscosity
high strength
hard to disassemble

50 ml ✓ 200 ml ✓
30277150 30277200



AN 302-80

Pipe and thread sealing for passive materials*

higher viscosity
high strength
hard to disassemble

20 ml ✓ 50 ml ✓ 200 ml ✓
30280020 30280150 30280200



AN 305-11

Pipe and thread sealing, DVGW and drinking water approval

higher viscosity
medium strength
disassembly with normal tools

50 ml ✓ 200 ml ✓ 300 ml ✓
30511150 30511200 30511300



*

Passive materials:
(slow curing)

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

SI 303-31

New

Pipe and thread sealing, ISEGA-certified, drinking water approval

high viscosity
low strength
easy disassembly

85 ml ✓
30331085
Tube



Nonfood Compounds
Program Listed P1
Registration 157190

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/mm ² (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

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



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

AN 305-42

Hydraulic and pneumatic sealing, DVGW approval

medium viscosity
medium strength
disassembly with normal tools

- 20 ml ✓
30542020
- 50 ml ✓
30542150
- 200 ml ✓
30542200



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 ✓
30572150
- 200 ml ✓
30572200
- 300 ml ✓
30572300



AN 305-67

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

high viscosity
low strength
easy disassembly

- 50 ml ✓
30567150
- 200 ml ✓
30567200
- 300 ml ✓
30567300



AN 305-77

Thread sealing, drinking water and DVGW approval, BAM tested and safety-related evaluated*

high viscosity
medium strength
disassembly with normal tools

- 50 ml ✓
30577150
- 200 ml ✓
30577200
- 300 ml ✓
30577300



AN 305-78

Pipe and thread sealing for passive materials*1, drinking water and DVGW approval, BAM tested and safety-related evaluated*

high viscosity
medium strength
disassembly with normal tools

- 50 ml ✓
30578150
- 200 ml ✓
30578200



*- according to leaflet M 031-1
*List of nonmetallic materials compatible with oxygen"
(DGVW information 213-078) of BG RCI

*1

	Passive materials: (slow curing) <ul style="list-style-type: none"> • high-alloyed steel • aluminium, nickel, zinc, gold • oxid layers • chromate layers • anodic coatings • plastics and ceramics
--	--

WEICONLOCK® Pipe and Thread Sealing

AN 305-86

Pipe sealing, extra strong

higher viscosity
high strength
hard to disassemble

20 ml ✓ 50 ml ✓ 200 ml ✓
30586020 30586150 30586200



Display
WEICONLOCK® 50 ml

30951191

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 15 - 20 Nm*	50 - 70 Nm 25 - 35 Nm*	20 - 30 N/mm² (2.900 - 4.350 psi)	2 - 5 min. 5 - 10 min.*	2 - 4 h 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 11 - 16 Nm*	10 - 14 Nm 4 - 7 Nm*	6 - 13 N/mm² (870 - 1.885 psi)	15 - 30 min. 25 - 50 min.*	1 - 3 h 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 +180°C (-76 to +356°F)

*Strength measured on V4A stainless steel screws





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

AN 301-38

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

medium viscosity
high strength
hard to disassemble

- 20 ml ✓
30138020
- 50 ml ✓
30138150
- 200 ml ✓
30138200



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 ✓
30148020
- 50 ml ✓
30148150
- 200 ml ✓
30148200



AN 306-00

Retaining cylindrical assemblies for bearings, shafts and bushings

medium viscosity
high strength
hard to disassemble

- 20 ml ✓
30600020
- 50 ml ✓
30600150
- 200 ml ✓
30600200



AN 306-01

Retaining cylindrical assemblies for bearings, shafts and bushings

low viscosity
high strength
hard to disassemble

- 20 ml ✓
30601020
- 50 ml ✓
30601150
- 200 ml ✓
30601200



AN 306-03

Retaining cylindrical assemblies for bearings, shafts and bushings

low viscosity
high strength
hard to disassemble

- 20 ml ✓
30603020
- 50 ml ✓
30603150
- 200 ml ✓
30603200



Retaining Cylindrical Assemblies

AN 306-10

Retaining cylindrical assemblies for passive materials*, drinking water approval

medium viscosity
high strength
hard to disassemble



- 20 ml ✓
30610020
- 50 ml ✓
30610150
- 200 ml ✓
30610200

AN 306-20

Retaining cylindrical assemblies, high-temperature-resistant, drinking water and DVGW approval, BAM tested and safety-related evaluated*1

higher viscosity
high strength
hard to disassemble



- 20 ml ✓
30620020
- 50 ml ✓
30620150
- 200 ml ✓
30620200

*1- according to leaflet M 031-1
"List of nonmetallic materials compatible with oxygen"
(DGV information 213-078) of BG RCI

AN 306-30

Retaining cylindrical assemblies for passive materials*, BAM tested and safety-related evaluated*1

higher viscosity
high strength
hard to disassemble



*1- according to leaflet M 031-1
"List of nonmetallic materials compatible with oxygen"
(DGV information 213-078) of BG RCI



- 20 ml ✓
30630020
- 50 ml ✓
30630150
- 200 ml ✓
30630200

AN 306-38

Retaining cylindrical assemblies for bearings, gear wheels and bolts, fast cure, drinking water approval

medium viscosity
high strength
hard to disassemble

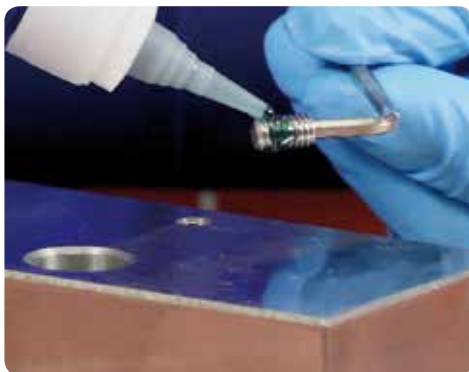


- 10 ml ✓
30638110
- 20 ml ✓
30638020
- 50 ml ✓
30638150

- 200 ml ✓
30638200

Passive materials: (slow curing)

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



VIDEO



Display
WEICONLOCK® 20 ml

12951091



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

AN 306-40

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

medium viscosity
high strength
hard to disassemble

- 20 ml ✓ 30640020
- 50 ml ✓ 30640150
- 200 ml ✓ 30640200



AN 306-41

Retaining cylindrical assemblies for bearings, shafts and bushings

medium viscosity
medium strength
disassembly with normal tools

- 20 ml ✓ 30641020
- 50 ml ✓ 30641150
- 200 ml ✓ 30641200



AN 306-48

Retaining cylindrical assemblies, high-temperature-resistant, drinking water approval, BAM tested and safety-related evaluated*

medium viscosity
high strength
hard to disassemble

- 20 ml ✓ 30648020
- 50 ml ✓ 30648150
- 200 ml ✓ 30648200



*- according to leaflet M 031-1
"List of nonmetallic materials compatible with oxygen"
(DGVV information 213-078)
of BG RCI



AN 306-60

Assembly of cylindrical parts for worn out bearing rings and bushings

high viscosity
high strength
hard to disassemble

- 50 ml ✓ 30660150
- 200 ml ✓ 30660200
- 300 ml ✓ 30660300



Retaining Cylindrical Assemblies

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 306-00	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 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	55 - 70 Nm	25 - 35 N/mm² (3.625 - 5.075 psi)	2 - 5 Min.	2 - 4 h	-60 to +200°C (-76 to +392°F)
					15 - 20 Nm*	30 - 35 Nm*		5 - 10 Min.*	6 - 12 h*	
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.	ca. 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	50 - 70 Nm	20 - 30 N/mm² (2.900 - 4.350 psi)	2 - 5 Min.	2 - 4 h	-60 to +200°C (-76 to +392°F)
					15 - 20 Nm*	25 - 35 Nm*		5 - 10 Min.*	2 - 4 h*	
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	600 mPa·s	0,15 mm	20 - 30 Nm	30 - 40 Nm	15 - 30 N/mm² (2.175 - 4.350 psi)	approx. 240 Min.	ca. 24 h	-60 to +200°C (-76 to +392°F)
AN 306-41	yellow	M 20	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	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	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



- 50 ml 30165150
- 200 ml 30165200
- 300 ml 30165300



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 30172150
- 200 ml 30172200
- 300 ml 30172300



AN 305-10

Gasketing of flanges, gearboxes and other motor housings, high-temperature-resistant

high viscosity
high strength
hard to disassemble

- 50 ml 30510150
- 200 ml 30510200
- 300 ml 30510300



AN 305-18

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

high viscosity
high strength
hard to disassemble

- 50 ml 30518150
- 200 ml 30518200
- 300 ml 30518300



AN 305-67

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

high viscosity
low strength
easy disassembly

- 50 ml 30567150
- 200 ml 30567200
- 300 ml 30567300



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)



WEICONLOCK®

Flange Sealing and Gasketing

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 ✓ 30572150
- 200 ml ✓ 30572200
- 300 ml ✓ 30572300



AN 305-73

Gasketing of flanges, gearboxes and other motor housings

high viscosity
low strength
easy disassembly

- 50 ml ✓ 30573150
- 200 ml ✓ 30573200
- 300 ml ✓ 30573300



AN 305-74

Gasketing of flanges, gearboxes and other motor housings

high viscosity
high strength
hard to disassemble

- 50 ml ✓ 30574150
- 200 ml ✓ 30574200
- 300 ml ✓ 30574300



Display
WEICONLOCK PEN
30951080

Adhesives / Sealants

Technical Sprays














Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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.
AN 301-43 	Threadlocking, drinking water and DVGW ² approval	medium strength, higher viscosity	blue	M 36	2.000 - 8.000 mt	0,25
AN 301-70 	Threadlocking, drinking water approval	high strength, medium viscosity	green	M 25	500 - 900 nt	0,15
AN 302-21	Threadlocking	low strength, low viscosity	violet	M 12	125	0,10
AN 302-22	Threadlocking	low strength, medium viscosity	purple	M 36	1.000 mt	0,20
AN 302-40 	Threadlocking, DVGW ² approval	medium strength, medium viscosity	transparent	M 20 R ¾"	600 nt	0,15
AN 302-41	Threadlocking	medium strength, low viscosity	blue	M 12	125 nt	0,10
AN 302-42 	Threadlocking, drinking water approval	medium strength, medium viscosity	blue	M 36	1.000 mt	0,20
AN 302-43 	Threadlocking, drinking water and DVGW ² approval	medium strength, higher viscosity	blue	M 36	2.000 - 7.000 mt	0,25
AN 302-44 	Threadlocking for passive materials, drinking water and DVGW ² approval	medium strength, higher viscosity	blue	M 36	3.000 - 8.000 mt	0,25
AN 302-50	Threadlocking	high strength, medium viscosity	transparent	M 20 R ¾"	500 nt	0,15
AN 302-60	Threadlocking for passive materials	high strength, medium viscosity	green	M 20 R ¾"	700 - 1.000 nt	0,15
AN 302-62	Threadlocking	strong, higher viscosity	red	M 36	1.500 - 6.500 mt	0,25
AN 302-70 	Locking of threads and stud bolts, drinking water and DVGW ² approval	high strength, medium viscosity	green	M 20 R ¾"	500 nt	0,15
AN 302-71	Locking of threads and stud bolts	high strength, medium viscosity	red	M 20 R ¾"	500 nt	0,15
AN 302-72 	Locking of threads and stud bolts, drinking water and DVGW ² approval	high strength, higher viscosity	red	M 56 R 2"	6.000 - 15.000 mt	0,30
AN 302-90	Threadlocking for locking after assembly	high strength, extremely low viscosity	green	M 5 capillary	10 - 20	0,07
AN 301-65 	Pipe and flange sealing (with PTFE), drinking water approval	medium strength, high viscosity	white	M 80 R 3"	180.000 - 300.000	0,50
AN 301-72 	Pipe and flange sealing (with PTFE), drinking water and DVGW ² approval	medium strength, high viscosity	white	M 80 R 3"	15.000 - 60.000 ht	0,30
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
AN 302-45 	Sealing of threaded pipes and fittings, DVGW ² -approval	medium strength, high viscosity	blue	M 80 R 3"	6.000 - 30.000 mt	0,30
AN 302-75	Sealing of threaded pipes and fittings, BAM ³	high strength, high viscosity	green	M 80 R 3"	14.000 - 24.000 mt	0,30
AN 302-77	Sealing of threaded pipes and fittings	high strength, higher viscosity	red	M 36	6.000	0,25
AN 302-80	Sealing of threaded pipes and fittings for passive materials	high strength, higher viscosity	green	M 36	3.000 - 6.000 mt	0,20
AN 305-11 	Sealing of threaded pipes and fittings, drinking water and DVGW ² approval	medium strength, high viscosity	white	M 80 R 3"	17.000 - 50.000 ht	0,40
AN 305-42 	Sealant for hydraulic and pneumatic systems, DVGW ² approval	medium strength, medium viscosity	brown	M 20 R ¾"	500 nt	0,15
AN 305-67	Pipe and flange sealing (with PTFE)	low strength, high viscosity	white	M 80 R 3"	170.000 - 410.000	0,60
AN 305-72 	Pipe and flange sealing (with PTFE), drinking water, DVGW ² and AGA ⁴ -approval	medium strength, high viscosity	white	M 80 R 3"	17.000 - 50.000 ht	0,40
AN 305-77 	Sealing of threaded pipes and fittings, BAM ³ , drinking water, DVGW ² and AGA ⁴ -approval	medium strength, high viscosity	yellow	M 80 R 3"	24.000 - 70.000 ht	0,50
AN 305-78 	Sealing of threaded pipes and fittings for passive materials, drinking water and DVGW ² approval	medium strength, high viscosity	yellow	M 80 R 3"	50.000 - 80.000 ht	0,50
AN 305-86	Pipe sealing (extra strong)	high strength, higher viscosity	red	M 56 R 2"	6.000 - 7.000 nt	0,30
AN 301-38 	Retaining cylindrical assemblies, drinking water approval	high strength, medium viscosity	green	M 36	2.000 - 3.000 mt	0,20
AN 301-48 	Retaining cylindrical assemblies, drinking water and DVGW ² approval	high strength, medium viscosity	green	M 20 R ¾"	450 - 650 nt	0,15
AN 306-00	Retaining cylindrical assemblies	high strength, medium viscosity	transparent	M 20 R ¾"	500 nt	0,15
AN 306-01	Retaining cylindrical assemblies	high strength, low viscosity	green	M 12	125 nt	0,10
AN 306-03	Retaining cylindrical assemblies	high strength, low viscosity	green	M 12	125 nt	0,10
AN 306-10 	Retaining cylindrical assemblies for passive materials, drinking water approval	high strength, medium viscosity	green	M 20 R ¾"	700 - 1.000 nt	0,15
AN 306-20 	Retaining cylindrical assemblies, drinking water and DVGW ² approval, BAM ³	high strength, higher viscosity	green	M 56 R 2"	3.000 - 6.000 nt	0,20
AN 306-30	Retaining cylindrical assemblies for passive materials, BAM ³	high strength, higher viscosity	green	M 36	3.000 - 6.000 mt	0,20
AN 306-38 	Retaining cylindrical assemblies, drinking water approval	high strength, medium viscosity	green	M 36	2.500 mt	0,20
AN 306-40	Retaining cylindrical assemblies	high strength, medium viscosity	green	M 20	600 nt	0,15
AN 306-41	Retaining cylindrical assemblies	medium strength, medium viscosity	yellow	M 20	550 nt	0,12
AN 306-48 	Retaining cylindrical assemblies, drinking water approval, BAM ³	high strength, medium viscosity	green	M 20	550 nt	0,15
AN 306-60	Assembly of cylindrical parts	high strength, high viscosity	silver	R 2"	150.000 - 900.000 ht	0,50
AN 301-65 	Pipe and flange sealing (with PTFE), drinking water approval	medium strength, high viscosity	white	M 80 R 3"	180.000 - 300.000	0,50
AN 301-72 	Pipe and flange sealing (with PTFE), drinking water and DVGW ² approval	medium strength, high viscosity	white	M 80 R 3"	15.000 - 60.000 ht	0,30
AN 305-10 	Flange sealing, AGA ⁴ -approval	high strength, high viscosity	orange	---	70.000 - 300.000 ht	0,50
AN 305-18	Flange sealing	high strength, high viscosity	red	---	80.000 - 500.000 ht	0,50
AN 305-67	Pipe and flange sealing (with PTFE)	low strength, high viscosity	white	M 80 R 3"	170.000 - 410.000	0,60
AN 305-72 	Pipe and flange sealing (with PTFE), drinking water, DVGW ² , AGA ⁴ -approval	medium strength, high viscosity	white	M 80 R 3"	17.000 - 50.000 ht	0,40
AN 305-73	Flange sealing	low strength, high viscosity	light green	---	17.000 - 50.000 ht	0,30
AN 305-74	Flange sealing	high strength, high viscosity	orange	---	30.000 - 100.000 ht	0,50

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

** Static shear strength based on cylindrical parts of abt. Ø 13 mm, tolerance (D-d) = 0,05 mm, l/d = 0,88

Anaerobic Adhesives and Sealants

WEICONLOCK®

Technical Data

Type-No.	Breakaway strength N/m (Thread*)	Prevailing strength N/m (Thread*)	Shear-strength** N/mm² (DIN 54452)	Handling strength at room temp. (minute)	Final strength at room temperature (hours)	Temperature resistance
AN 301-43	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	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	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	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	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	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	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	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	8 - 12 ²	5 - 8 ²	9 - 13 (1,305 - 1,885 psi)	10 - 20	1 - 3	-60°C to +200°C (-76°F to +392°F)
AN 302-50	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	30 - 35	55 - 70	25 - 35 (3,625 - 5,075 psi)	2 - 5	2 - 4	-60°C to +180°C (-76°F to +347°F)
AN 302-62	15 - 20 ²	30 - 35 ²	5 - 10 ² (725 - 1,450 psi)	5 - 10 ²	6 - 12 ²	-60°C to +150°C (-76°F to +302°F)
AN 302-70	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 302-71	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 302-72	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	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	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	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	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	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	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	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	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	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)
AN 302-80	15 - 20 ²	25 - 35 ²	4 - 6 (580 - 870 psi)	5 - 10 ²	6 - 12 ²	-60°C to +150°C (-76°F to +302°F)
AN 305-11	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	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	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	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	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	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	11 - 16 ²	4 - 7 ²	10 - 20 (1,450 - 2,900 psi)	25 - 50 ²	4 - 8 ²	-60°C to +150°C (-76°F to +302°F)
AN 305-86	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)
AN 301-38	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	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 306-00	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 306-01	25 - 30	50 - 60	18 - 23 (2,610 - 3,335 psi)	10 - 20	2 - 4	-60°C to +150°C (-76°F to +302°F)
AN 306-03	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	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)
AN 306-20	15 - 20 ²	30 - 35 ²	5 - 10 ² (725 - 1,450 psi)	5 - 10 ²	6 - 12 ²	-60°C to +200°C (-76°F to +392°F)
AN 306-30	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)
AN 306-30	15 - 20 ²	25 - 35 ²	5 - 10 ² (725 - 1,450 psi)	5 - 10 ²	6 - 12 ²	-60°C to +200°C (-76°F to +392°F)
AN 306-38	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	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	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	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	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	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	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	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	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	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	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	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	16 - 24	5 - 10	5 - 10 (725 - 1,450 psi)	15 - 30	approx. 12	-60°C to +180°C (-76°F to +356°F)

WEICONLOCK (Cured)

- Admissible surface pressure for high-strength types
- E-Modul 1) for high-strength types
- Coefficient of elongation
- Coefficient of them conductivity
- Specific forward resistance
- Dielectric coefficient (50 Hz - 1 MHz)
- Dielectric strength
- Temperature of decomposition
- Chemically resistant against

WEICONLOCK (Liquid)

- Density
- pH-value
- Flashpoint (ISO 2592)
- Vapour pressure at +25°C (+77°F)
- Solubility
- Storage life at +20°C (+68°F)

General physical data

- Admissible surface pressure for high-strength types
- E-Modul 1) for high-strength types
- Coefficient of elongation
- Coefficient of them conductivity
- Specific forward resistance
- Dielectric coefficient (50 Hz - 1 MHz)
- Dielectric strength
- Temperature of decomposition
- Chemically resistant against

WEICONLOCK (Liquid)

- Density
- pH-value
- Flashpoint (ISO 2592)
- Vapour pressure at +25°C (+77°F)
- Solubility
- Storage life at +20°C (+68°F)

DINVG Certificate for use in gas supply and hot water systems compatible with oxygen (DIN V 1988) and B2G BCI

Australian Gas Association - Approval - Gas Class II 3004PA

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 experience 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.

1) = low thickness
2) = medium thickness
3) = high thickness

*2 Strength measured on V4A stainless steel screws

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



Chemical resistance of WEICONLOCK*

Medium	Resistance
Waste water, excrements	+
Aluminium chloride	+
Apple juice, apple wine	+
Argon	+
Aromat, Solvent	+
Ethanol	+
Acetone	+
Acetylene (liquid)	+
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
Glycocol, glycine	+
Glycolic acid	+
Fuel oil	+
Heptane	+
Hexane	+
Isobutyl alcohol	+
Potassium chromate	+
Potassium carbonate	+
Calcium chlorate	+
Calcium chloride	+
Calcium hydroxide	+
Calcium phosphate	+
Calcium sulfate	+
Kerosene	+
Methane	+
Methanol, methyl alcohol	+

Methylethylketon	+
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
% = limited resistance

o = resitant
- = not resistant

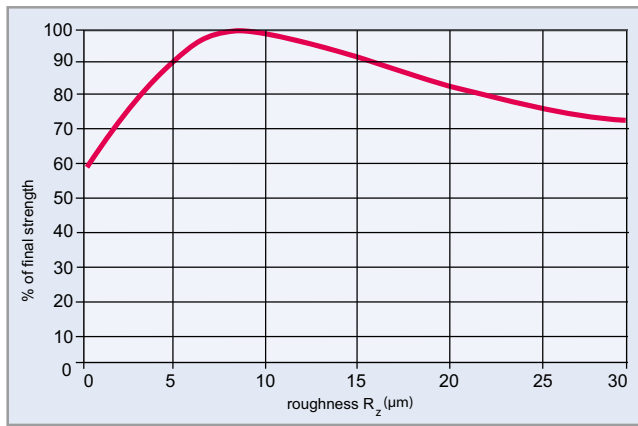
The a.m. resistances are a short excerpt.
 Further chemical resistances are available upon request.

*Does not apply to SI 303-31

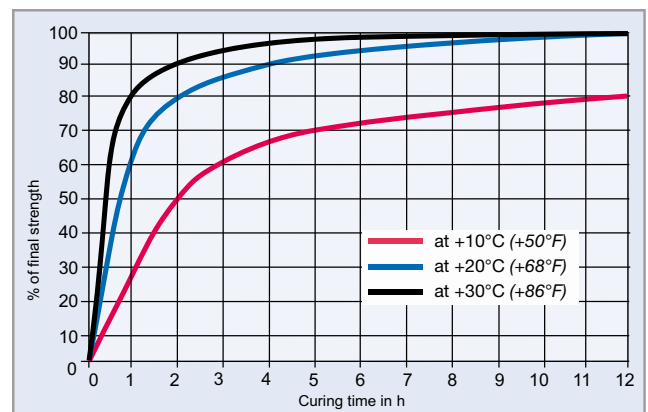
Anaerobic Adhesives / Sealants

WEICONLOCK®

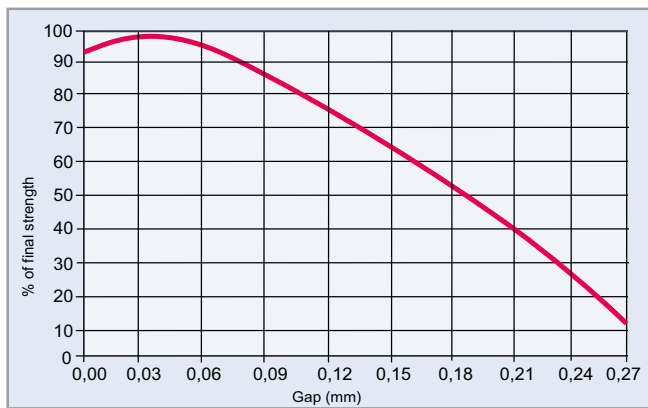
Strength of WEICONLOCK®
Dependent on the roughness



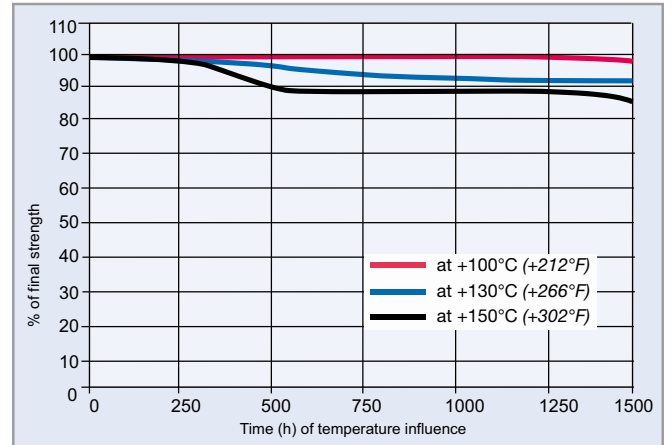
Curing speed of WEICONLOCK®
Dependent on the ambient temperature



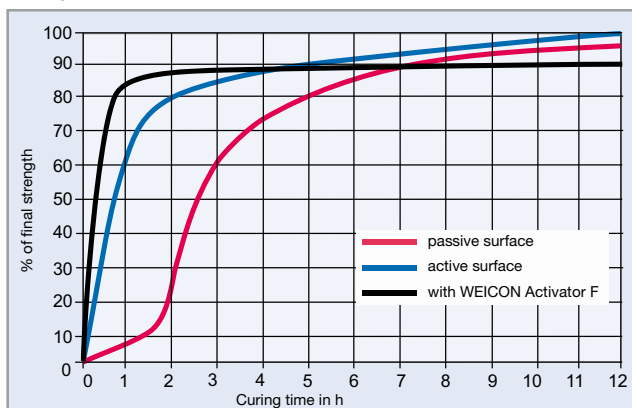
Strength of WEICONLOCK®
Dependent on the joint gap



Temperature long-term resistance WEICONLOCK®
At increased temperatures



Curing speed with WEICON Activator F





Adhesives / Sealants

LOCK 302-91

Surface sealing for subsequent sealing of hairline cracks

extremely low viscosity
good capillary action
-60°C to +150°C (-76°F to +302°F)

- 50 ml 30291150
- 200 ml 30291200



Technical Sprays

Technical Liquids

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 30101310 black

- 310 ml 30100310 red

	WEICON Gasket Maker in non-cured condition	
	red	black
Basis:	One-component acetate	
Density (g/cm ³):	1,28	1,06
Viscosity:	pasty	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	5
Gap width up to max. mm:	25	
Shelf life in months: +5°C to +25°C (+41 to +77°F)	12	
	WEICON Gasket Maker in cured condition	
Shore-A-Hardness (DIN 53505/ASTM D 2240):	35	30
Elongation at break ISO 37, S3A [%]	500	
Tensile strength ISO 37, S3A [N/mm ²]	2,0 N/mm ² (290 psi)	
Tension strength value at 100 % (ISO 37, S3A)	0,9 N/mm ² (130 psi)	0,7 N/mm ² (100 psi)
Movement capacity max. %:	15	15
Temperature resistance:	-60°C to +280°C (-76 to +536°F) briefly (approx. 2 h) +300°C (+572°F)	
Overpaintable:	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.

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Surface Sealing, Gasket Maker and Plast-o-Seal®

Plast-o-Seal®

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



90 g ✓ 30000090 Tube	120 g ✓ 30000120 Brush-top can	230 g ✓ 30000230 Press pack	300 g ✓ 30000300 Cartridge
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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)



Technical Data

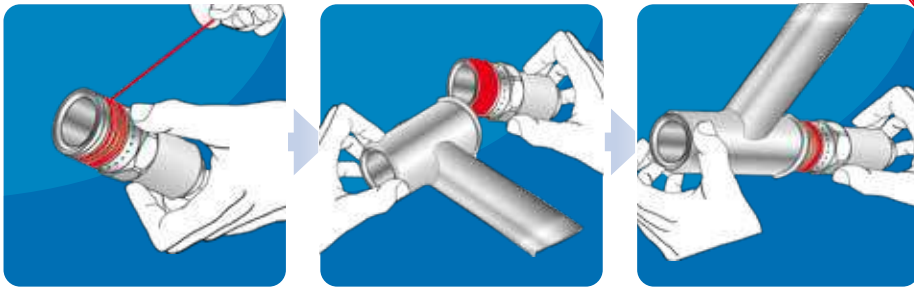
Colour	Blue (fluorescent)
Specific weight at +20°C	1,15 g/cm³
Viscosity at +25°C (+77°F) Brookfield	950.000 - 1.650.000 mPa·s
Gap filling capacity max.	0,10 mm without gasket
Working temperature	+5°C up to +35°C (+41 up to +95°F)
Basis	Polyester resin
Shelf life	24 months at room temperature (approx. +20°C/+68°F)
Temperature resistance	-50 up to +200°C (-58 up 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



Thread Sealing Cord DF 175

**100%
PTFE**



- for metal and plastic threads
- in extreme temperature ranges between -200°C (-328°F) and +240°C (+464°F)
- is used in the area of solar applications
- tested up to 45° reverse rotation
- cost- and time-saving application

VIDEO



175 m plastic can
30010175



TZW
Technologiezentrum Wasser
Karlsruhe
Prüfstelle Wasser



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

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 durable against 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.



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 min.
Handling strength after	60 min.
Final strength after	12 h
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



VIDEO

30 g 30021030
60 g 30021060

yellow: RAL 1021*

30 g 30022030
60 g 30022060

green: RAL 6010*

30 g 30020030
60 g 30020060

red: RAL 3000*

*corresponds approximately to the specified RAL colours



Display PEN 30 g
30951193



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

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
Metal	+	+	+	++	+	++	+	+	+	+	+	+	+	+	+	++	++	++
Plastic*	++	++	++	++	++	++	++	++	+	++	++	++	++	++	++	+	+	+
Rubber	++	++	++	++	++	++	+	++	+	++	++	++	++	++	+	+	+	+
EPDM-Elastomers	+	+	++	+	+	++	+	+		+	+	+	+	+	+			
Wood	+			+	+	+	++	+	+	+	+	+	+		++			
Balsa-wood		+	+	+	+	+	+	+	++	+	+	+	+		++			
Glass/ Ceramic	+		+	++	+	++	++	+	++	+	+	+	++	+	+			
Leather		+		++	+	++	++	++	++	+	+	+	+	+	++			

*s. page 91 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 hardens very quickly.

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

12 g ✓
12000012

30 g ✓
12000030

60 g ✓
12000060

500 g ✓
12000500



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 hardens 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 (PE-polyethylene, 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 ✓
12200012

30 g ✓
12200030

60 g ✓
12200060

500 g ✓
12200500



*



WEICON Contact Filler

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

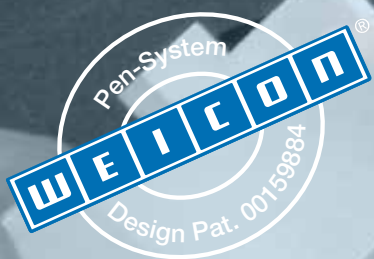
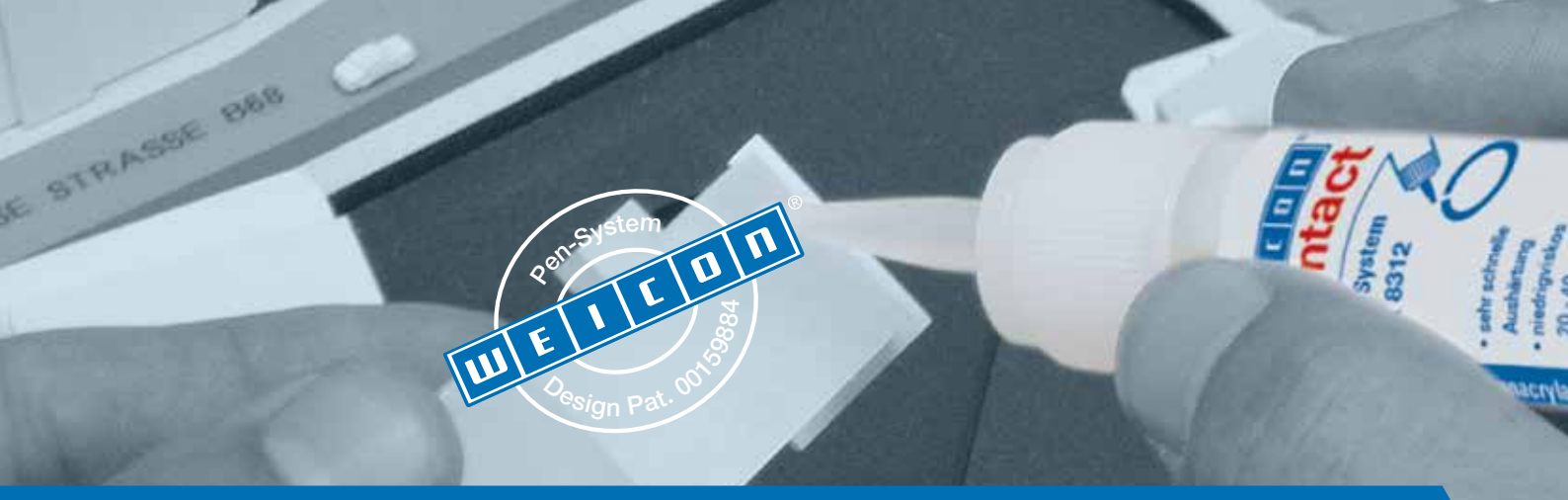
Contact Filler should be applied in layers:

Adhesive - Filler - Adhesive

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

30 g ✓
12650030





VA 8406

Cyanoacrylate Adhesive for rubber and plastics
 low viscosity • very fast curing

WEICON Contact VA 8406 has low viscosity (20-50 mPa•s) and hardens 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 (PEpolyethylene, PP-polypropylene) and for PTFE and silicones.

- 12 g ✓ 12204012
- 30 g ✓ 12204030
- 60 g ✓ 12204060
- 500 g ✓ 12204500



VIDEO



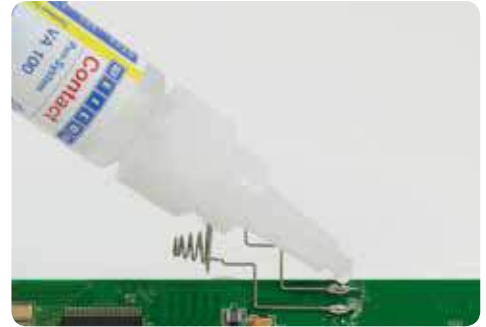
VA 100

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 ✓ 12050001
- 12 g ✓ 12050012
- 30 g ✓ 12050030
- 60 g ✓ 12050060
- 500 g ✓ 12050500



VA 110

Cyanoacrylate Adhesive for rubber and plastics
 medium viscosity • slightly longer curing

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 ✓ 12052012
- 30 g ✓ 12052030
- 60 g ✓ 12052060
- 500 g ✓ 12052500



1-Component Adhesives and Sealants

Cyanoacrylate Adhesives

VA 1401

Cyanoacrylate Adhesive for rubber and plastics
medium viscosity • fast curing

WEICON Contact VA 1401 has medium viscosity (100-150 mPa•s) and hardens 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 ✓
12054012 12054030 12054060

500 g ✓
12054500



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 ✓ 60 g ✓
12150012 12150030 12150060

500 g ✓
12150500



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 ✓
12100012 12100030 12100060

500 g ✓
12100500



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 hardens 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 ✓
12500120 12500130



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 ✓
12550012

30 g ✓
12550030

60 g ✓
12550060

500 g ✓
12550500



1-Component Adhesives and Sealants

Cyanoacrylate Adhesives

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 ✓ 12603012
- 30 g ✓ 12603030
- 60 g ✓ 12603060

- 500 g ✓ 12603500

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.

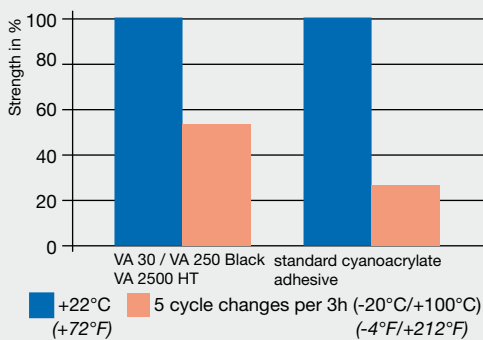
Thanks to its curing with residual elasticity, WEICON Contact VA 250 Black is particularly suitable under changing climatic conditions. It is insensitive even under a longer influence of humidity. It is best suited for the bonding of diverse rubber materials such as solid rubber or cellular rubber, plastics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

- 12 g ✓ 12600012
- 30 g ✓ 12600030
- 60 g ✓ 12600060

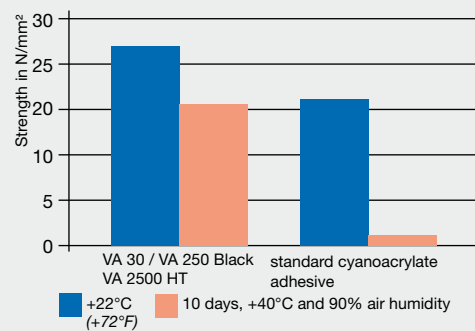
- 500 g ✓ 12600500



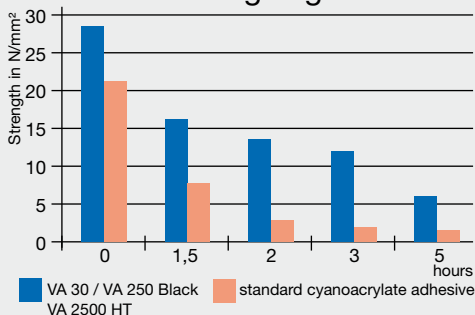
Temperature change load



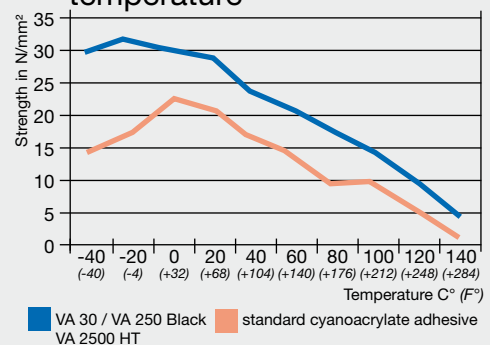
Humid climate resistance



Short-term ageing at +140°C (+284°F)



Strength dependent on temperature





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 hardens 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.

- 30 g ✓
12253030
- 60 g ✓
12253060
- 500 g ✓
12253500



500 g bottle



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 hardens 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.

- 30 g ✓
12250030
- 60 g ✓
12250060
- 500 g ✓
12250500



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 hardens slowly and is less susceptible to moisture effects after curing.

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

- 30 g ✓
12252030
- 60 g ✓
12252060
- 500 g ✓
12252500



1-Component Adhesives and Sealants

Cyanoacrylate Adhesives

VM 20

Cyanoacrylate Adhesive for metals
low viscosity • very fast curing

WEICON Contact VM 20 has a low viscosity (20-40 mPa•s) and hardens 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 ✓
12300030 12300060 12300500



VM 120

Cyanoacrylate Adhesive for metals
medium viscosity • slower curing, a shortterm realignment of parts is possible

WEICON Contact VM 120 has a medium viscosity (100-130 mPa•s) and a longer curingtime allowing short-term realignment corrections of the bonded parts.

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 ✓
12350030 12350060 12350500



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 hardens 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 ✓
12400030 12400060 12400500



Display
CA-Adhesives 30 g

12951091

O-Ring Bonding Set

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



Set

12508030

WEICON O-Ring Bonding Set consists of:

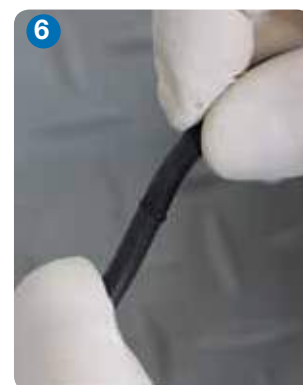
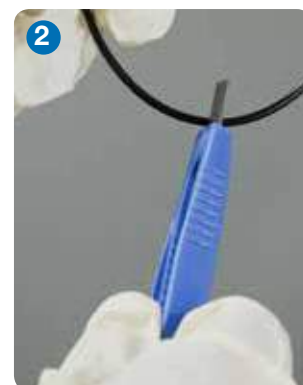
12603012 **Contact VA 30 Black** 12 g

11207150 **Surface Cleaner** 150 ml

12450010 **Contact Primer** 10 ml

99950243 **Safety Knife**

1 m round cord (NBR) each: Ø 2, 3, 4, 6 and 8 mm



1-Component Adhesives and Sealants

O-Ring Bonding Set and accessoires for CA

Contact Primer for Polyolefines

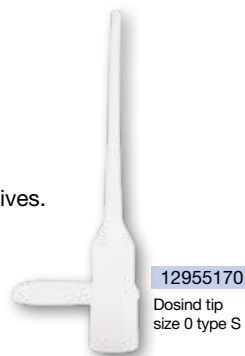
Without pre-treatment, many plastics are unable to bond or bond only under certain conditions. When these plastics are pre-treated with WEICON Contact Primer, their surface structure changes. Thereby the joining of plastics, like polyethylene (PE) and polypropylene (PP) belonging to the polyolefine group, 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.



10 ml 12450010
100 ml 12450100

Dosing tips

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



12955170
Dosing tip size 0 type S

Contact Activator



The activator speeds up the curing process of WEICON Cyanoacrylate Adhesives. When applied to absorbent surfaces, like for example wood or foam etc., and all chemically-treated surfaces, like for example 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.

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%)

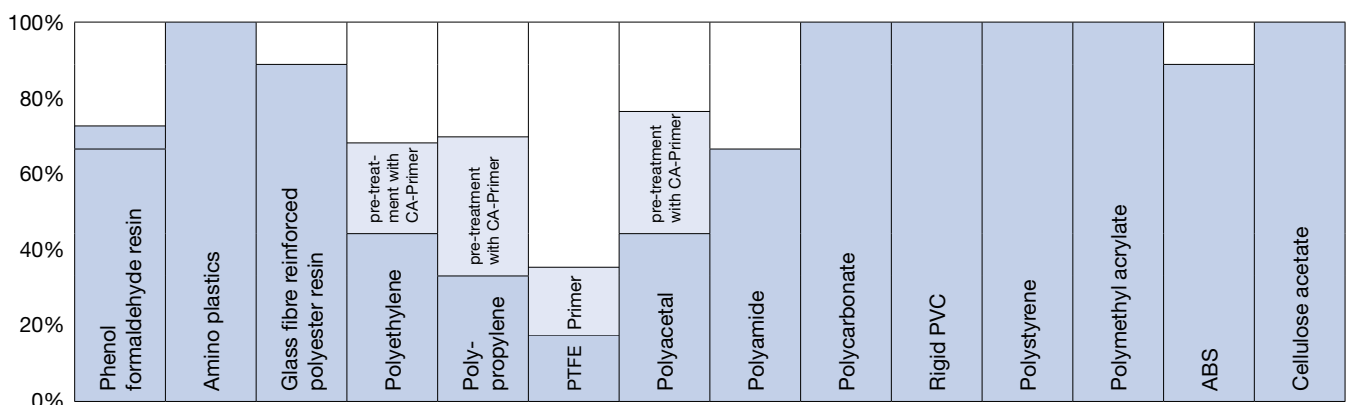


150 ml 12500150 CA-Activator Spray
150 ml 12505150 CA-Activator Spray AC (based on acetone)



12955175
Dosing tip A size 0,5

Combined tension and shear resistance





Technical Data

WEICON Contact in liquid state

	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	
Ester type	Ethyl												Alkoxy			Methyl			
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		
Viscosity at +20°C (+68°F) mPa·s Brookfield	< 20	20-40	20-50	60-120	70-110	100-150	200-300	1000-1500	60000-90000	2000-3000	250-300	2000-3000	20-40	120-200	1100-1800	20-40	100-130	1700-2000	
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	
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	
Flash point acc. to Abel-Pensky DIN 55213	+87°C (+189°F)																		
Initial adhesion* in seconds	Aluminium ¹⁾	30-60	30-60	2-10	30-60	20-50	2-10	60-90	90-120	90-120	40-80	40-50	90-120	30-60	30-60	90-120	50-70	50-70	70-90
	Nora Test rubber ²⁾	2-15	2-10	< 5	3-20	3-15	< 5	2-10	5-30	20-30	25-60	5-10	20-40	3-20	10-60	5-30	10-60	10-60	10-90
	Rigid PVC ³⁾	5-60	5-30	2-10	10-60	10-50	2-10	10-60	10-120	40-80	25-100	5-10	40-80	10-30	20-150	10-120	30-120	30-120	30-150
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	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	
Shear strength in N/mm ² according to DIN 53283 (ASTM D 1002 psi)	Sand-blasted steel	19 (2.750)	20 (2.900)	22 (3.200)	20 (2.900)	20 (2.900)	22 (3.200)		21 (3.050)		24 (3.450)	22 (3.200)	24 (3.450)		18 (2.600)				25 (3.600)	
	Sand-blasted aluminium	14 (2.050)	14 (2.050)	16 (2.300)	15 (2.175)	15 (2.175)	16 (2.300)		15 (2.175)		18 (2.600)	18 (2.600)	18 (2.600)		12 (1.750)				19 (2.750)	
	Rigid PVC	12 (1.750)	13 (1.900)	14 (2.050)	13 (1.900)	13 (1.900)	14 (2.050)		13 (1.900)		13 (1.900)	14 (2.050)	13 (1.900)		7 (1.000)				12 (1.750)	
	ABS	11 (1.600)	12 (1.750)	13 (1.900)	12 (1.750)	12 (1.750)	13 (1.900)		12 (1.750)		12 (1.750)	11 (1.600)	12 (1.750)		10 (1.450)				11 (1.600)	
	PC	12 (1.750)	13 (1.900)	13 (1.900)	13 (1.900)	13 (1.900)	13 (1.900)		12 (1.750)		13 (1.900)	13 (1.900)	13 (1.900)		8 (1.150)				12 (1.750)	
	NBR	> 8 (1.150) (bonding exceeds strength of substrate)																		
Temperature resistance		-50 to +80°C (-58 to +176°F) (briefly to +100°C/+212°F)					-50 to +120°C (-58 to +248°F) (briefly to +150°C/+302°F)		-50 to +80°C (-58 to +176°F) (briefly to +100°C/+212°F)			-55 to +140°C (-67 to +284°F)			-50 to +80°C (-58 to +176°F) (briefly to +100°C/+212°F)					
Squatting temperature		+150°C (302°F)					+170°C (+338°F)		+150°C (302°F)			+160°C (+320°F)			+150°C (302°F)					
Refractive index n _D ²⁰		1,49 (similar to glass) / for types VA 2500 HT, VA 30 Black and VA 250 Black not applicable																		
Linear thermal expansion coefficient ISO 11359 / ASTM D 696 (K ⁻¹)		80 x 10 ⁻⁶																		
Specific forward resistance DIN 53482* / ASTM D 257 (Ω cm)		> 10 ¹⁵																		
Dielectric strength, DIN 53481* / ASTM D 149 (KV/mm)		25																		
Thermal conductivity ISO 8894-2 / ASTM C 177 (W/m ¹ •K ⁻¹)		0,1																		
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
 *** Following the DIN-norm measured on bonding joints.

1) Aluminium. Type Al Cu Mg 2pl., not pre-treated
 2) NBR-rubber, smoothed
 3) Rigid PVC Trovidur® EN, not pre-treated



MS-Polymers

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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.



MS Polymers

- strong adhesives and sealants for material-integrated joints of metals, plastics and many other substances
- high adhesive strength, even without the use of adhesive primers
- can be painted ("wet in wet")
- free of silicone and isocyanate

Polyurethanes

- adhesives and sealants for a broad range of applications in the fields of metals and plastics processing
- can be painted (after curing)
- sandable
- silicone-free
- odourless curing

Silicones

- high-quality sealants for industrial applications
- excellent UV, weathering and media resistance
- resistant to ageing
- can be used in the temperature range up to + 300°C (+572°F)

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.



Elastic Adhesives and Sealants

MS-Polymers

Flex 310 M® Classic

Suitable for universal use

WEICON Flex 310 M Classic Adhesive and Sealant is strong, paintable (wet in 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 ✓
13303310 white

310 ml ✓
13305310 grey

310 ml ✓
13304310 black



Flex 310 M® Crystal

Crystal-clear curing

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 ✓
13308310

VIDEO



Flex 310 M® Stainless-Steel



For stainless steel, aluminium and non-ferrous metals

WEICON Flex 310 M Stainless-Steel Adhesive and Sealant is non-corrosive, strong, paintable (wet in 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.).



310 ml ✓
13656310

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.



Flex 310 M® Super-Tack

High initial strength

WEICON Flex 310 M Super-Tack 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, 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 ✓
13650290
white

290 ml ✓
13652290
grey

Flex 310 M® Liquid



Liquid, self-levelling

Flex 310 M Liquid is a self-levelling, 1-component casting and coating mass based on polyoxypropylene.

Flex 310 M Liquid is permanently elastic and can be painted after curing. The flexible adhesive and sealing substance cures odourless; is weather- and UV-resistant, shows excellent resistance to ageing and is free of silicone.

Flex 310 M Liquid can be used in diverse applications for adhesion and sealing of very different materials such as metals, many plastics, ceramics, wood, glass or stone and for insulation and impregnation.

Flex 310 M Liquid is certified by the ISEGA research and evaluation company and can be used as an adhesive in the food technology.

The flexible adhesive and sealing substance 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 ✓
13333310
white



VIDEO



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.

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 ✓
13655310
grey

Glued and (subsequently) powder-coated plant tubs.

The ideal adhesive for
POWDER-COATING

Left side: uncoated. Right side: powder-coated material.



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 ✓
13305250
grey

Special Mixing Nozzle
13309997





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Flex+bond®

Highly elastic and strong



WEICON Flex+bond is strong, permanently elastic, temperature-resistant from -40°C to +90°C (-40°F to +194°F), weather-resistant, resistant to UV rays, overpaintable (wet in 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.



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

VIDEO



13359085
Sales Display



Elastic Adhesives and Sealants

MS-Polymers

Flex+bond® Liquid**New****Self-levelling, one-component casting and coating mass**

Flex+bond Liquid is a self-levelling, one-component casting and coating mass up to a layer thickness of max. 10 mm.

Flex+bond Liquid cures odourless, is based on MS-Polymer and is free of solvents, isocyanates and silicone.

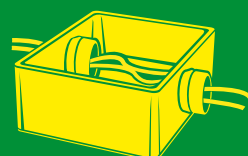
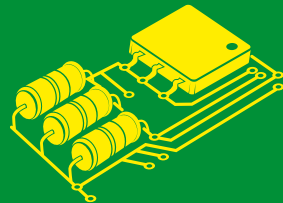
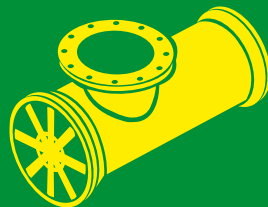


white
85 ml
13354085
Tube



The compound is suitable for different applications, such as castings in the electrical and electronics industry or casting of cable connections.

It can be used in the insulation technology, in metal construction, in the tank and apparatus construction, in valve construction and in the ventilation and air conditioning technology.





Speed-Flex®

Replaces traditional fixings

WEICON Speed-Flex is very strong, pasty, stable, paintable (wet in 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 
13600310
white

310 ml 
13602310
grey


Speed-Flex® Crystal

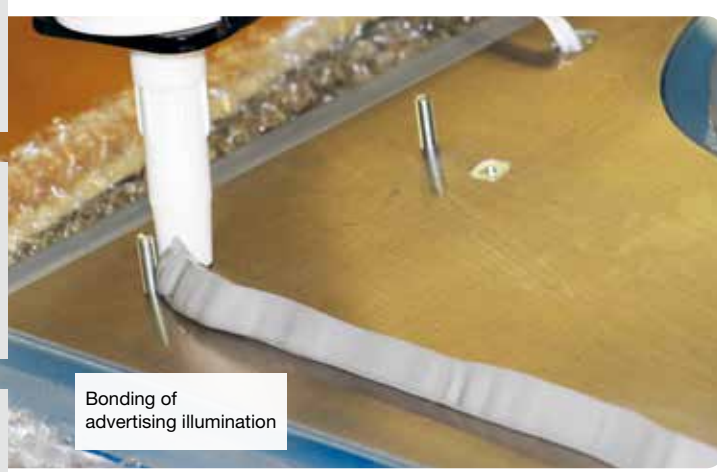
Crystal-clear adhesion

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 quickly, cleanly and appropriately connected with each other.



310 ml 
13608310



Bonding of advertising illumination



Display
WEICON Cartridge
13951090

Elastic Adhesives and Sealants

MS-Polymers

Solar-Flex®

Developed for solar industry

WEICON Solar-Flex® is strong, non-corrosive, paintable (wet in 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 power and the fast development of adhesive strength enable bonds to be achieved even on vertical surfaces. Replaces traditional fixings in the assembly of solar and photovoltaic power systems.



290 ml ✓
13750290
white

290 ml ✓
13752290
grey

Aqua-Flex

Ideal for wet and moist surfaces

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.



VIDEO



310 ml ✓
13700310
white

310 ml ✓
13701310
black

310 ml ✓
13702310
grey

Multi-Flex

Extremely fast-curing, strong adhesion, elastic

WEICON Multi-Flex is extremely fast-curing, has a strong adhesion, is resistant against weathering, ageing and UV. It is free from silicones and isocyanates, odorless and non-corrosive.

The 2-component adhesive and sealant based on MS-polymer is suitable for full-area and stresscompensating bondings – both indoors and outdoors.

With Multi-Flex, nearly all materials, such as metal, wood, plastic, stone, glass or ceramics, can be bonded. It is suitable for both rough and smooth surfaces.

By using Multi-Flex, damage to the surfaces to be bonded is prevented. The bonded parts are highly loadable after curing, although the adhesive remains elastic and cushions impact loads.

The adhesive is universally applicable and can be used in many sectors of the industry, in crafts and also in household and hobby.

Can alternatively be processed with Quadro Mixing Nozzle (Art.-No. 10650005).



25 ml ✓
13362025

Technical Data

	Multi-Flex
Basis	2-C-hybrid-Polymer
Colour	grey
Density	1,37 g/cm ³
Viscosity	pasty
Processing temperature	+5°C to +35°C (+41° to +95°F)
Pot life (at +23°C/+73°F and 50% rel. air humidity)	approx. 8 min.
Working time*	approx. 40 min.
Final hardness approx.	2 h
Cure type	chemical polymerisation
Volume change (DIN 52451)	approx. 1%
Gap filling up to max.	10 mm
Shelf life (+5°C to +25°C / +41°F to +77°F)	6 months
Shore-A-Hardness (DIN 53505/ASTM D 2240) ±5	37
Elongation at break (DIN 53504/ASTM D412)	300 %
Tensile strength of the pure adhesive/sealant	1,7 N/mm ² (246 psi)
Average tensile shear strength (DIN 53283/ASTM D 1002)	1,3 N/mm ² (189 psi)
Temperature resistance	-40°C to +90°C (-40°F to +194°F)

*Measured at 50% relative air humidity and +23°C



Elastic Adhesives and Sealants

MS-Polymers

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 thus can be "recoated".

Various paints and varnishes are offered in the trade, 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 color 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.



Flex 310 M Classic - bonding/sealing in the model construction sector



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
 13300310
 white
- 300 ml
 13301310
 black
- 300 ml
 13302310
 gray

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.



VIDEO



- 310 ml
 13309310
 beige

Elastic Adhesives and Sealants

Polyurethanes

WEICON Cartridge Guns



Cartridge Gun "Special"



Compressed Air Cartridge Gun



Cartridge Gun "Standard"

Cartridge Gun "Special"	Professional quality. Recommended for medium and high viscosity adhesives. Suitable for standard cartridges up to 310 ml.	13250002
Compressed Air Cartridge Gun	For low and medium viscosity materials (310 ml cartridges). 1.45 kN thrust at 6.8 bar operating pressure.	13250009
Cartridge Gun "Standard"	For low and medium viscosity adhesives. Suitable for standard cartridges up to 310 ml.	13250001



Silicone A

Acetoxycuring

WEICON Silicone A Adhesive and Sealant contains no solvents, is acetoxycuring, 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 ✓ 13001310 white	310 ml ✓ 13003310 black	310 ml ✓ 13002310 grey	310 ml ✓ 13000310 transparent
			85 ml ✓ 13000085 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.

250 ml ✓
13558025

Silicone F

Liquid, self-levelling

WEICON Silicone F Casting and Sealing compound is liquid, self-levelling, spreadable, free of solvents and acetoxycuring. 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.



310 ml ✓
13200310
transparent

Silicone LP New

NSF P1, acetoxycuring

WEICON Silicone LP is an acetoxycuring 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.



310 ml ✓
13009310



Tested by the Ruhr Region Institute of Hygiene ("Hygiene-Institut des Ruhrgebiets") in accordance with the Guideline for Hygienic Assessment of Organic Materials in Contact with Drinking Water (KTW Guideline) by the Federal Environmental Agency of Germany



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.

Elastic Adhesives and Sealants

Silicones

Silicone N

Neutral curing

WEICON Silicone N adhesive and sealant is free of solvents, is neutrally vulcanizing, strong, permanently elastic, resistant to weathering, ageing and chemicals, temperature-resistant up to $+180^{\circ}\text{C}$ ($+356^{\circ}\text{F}$), 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 ✓
13400310
transparent

HT 300

High-temperature-resistant

WEICON HT 300 adhesive and sealant is red, high-temperature-resistant ($+300^{\circ}\text{C}/+572^{\circ}\text{F}$), free of solvents, strong and ecetoxy 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 ✓ 310 ml ✓
13050085 13050310

Sealing of heating systems



Black-Seal

Extremely resistant against oil and grease

WEICON Black-Seal Adhesive and Sealant is black, high-temperature-resistant ($+280^{\circ}\text{C}/+536^{\circ}\text{F}$), 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 ✓
13051085 13051200 13051310
Tube Press pack Cartridge

Sealing of a cylinder head





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® Super-Tack	Flex 310 M® Stainless-steel	Flex 310 M® Liquid	Flex 310 M® 2 K
Basis:	1 C.-MS Polymer						2-C-hybrid-Polymer
Colour:	white, grey black	transparent/ crystal-clear	grey	white, grey	stainless-steel	white	grey
Content/Container:	310 ml	310 ml	310 ml	290 ml	310 ml	310 ml	250 ml
Density g/cm³:	1,44	1,06	1,41	1,62	1,08	1,48	1,40
Viscosity:	pasty					7.000 mPa.s	solid paste
Stability/Run-off (ASTM D 2202) mm:	1	<1	<1	<1	<1	Liquid, selflevelling	-
Processing temperature:	+5°C to +40°C*2 (+41 to +104°F)						+5 to +35°C (+41 to +95°F)
Cure type:	by humidity						chemical polymerisation
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 40% to 70% rel. humidity	-
Skin-over time (minutes):*3	25 min.	10 min.	10 min.	10 min.	15 min.	40 min.	-
Cure speed:*3	2-3 mm in the first 24 hours						-
Pot life (at +23°C/+73°F and 50% rel. air humidity)	-						approx. 5 min.
Working time	-						approx. 10 min.
Set to load bearing	-						approx. 60 min.
Volume change (DIN 52451) %:*3	-1	-3	-	-2	-1	-9	approx. 1%
Gap filling up to max. mm:	5	5	-	10	5	0,5	10
Gap width up to max. mm:	25	25	-	30	25	25	-
Shelf life in months: +5°C to +25°C (+41 to +77°F)	12						
	WEICON Adhesives and Sealants in cured condition						
Shore-A-Hardness (DIN 53505 / ASTM D 2240):	42	40	55	50	45	43	40
Elongation at break (DIN 53504/ASTM D 412) %:	650	300	400	600	280	400	350
Tensile strength of the pure adhesive/ sealant (DIN 53504 / ASTM D 412):	3,3 N/mm² (480 psi)	3,0 N/mm² (440 psi)	3,2 N/mm² (460 psi)	1,9 N/mm² (280 psi)	3,1 N/mm² (450 psi)	2,2 N/mm² (319 psi)	2,2 N/mm² (319 psi)
Average tensile shear strength (DIN 53283 / ASTM D 1002):*4	2,1 N/mm² (300 psi)	2,0 N/mm² (290 psi)	1,8 N/mm² (260 psi)	1,5 N/mm² (250 psi)	2,5 N/mm² (360 psi)	1,8 N/mm² (261 psi)	1,3 N/mm² (189 psi)
Tear strength (DIN 53515 / ASTM D 624):	20 N/mm² (114 lb/in)	19 N/mm² (108 lb/in)	21 N/mm² (120 lb/in)	13 N/mm² (74 lb/in)	11 N/mm² (63 lb/in)	11 N/mm² (63 lb/in)	-
Movement capacity max. %:	15	20	-	20	20	10	-
Fungicide:	no						-
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 (-40 to +194°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. 2 h) to +120°C (+248°F)	-40 to +90°C (-40 to +194°F)
Specific forward resistance (Layer thickness):	1,0 x 10 ¹⁰ Ω/cm (2,3 mm)	1,2 x 10 ¹² Ω/cm (2,2 mm)	3,4 x 10 ¹¹ Ω/cm (2,0 mm)	-	-	1,1 x 10 ¹² Ω/cm (2,3 mm)	-
Paintable:*5	only „wet in wet,“ within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints)					after complete curing	-
Building material category (DIN 4102):	B 2						
Possible primers:	see primer selection table on page 113						

*2 For easier processing, the cartridges, tubes, etc. should be heated to room temperature (+20°/+68°F) before use at low temperatures.

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

*4 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.

*5 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®	Flex+bond		Flex+bond liquid	Speed-Flex®	Speed-Flex® Crystal	Flex 310 PU	Fast-Bond	
Basis:	One-component MS-polymer							One-component polyurethane		
Colour:	white, grey, black	white, grey	white, grey, black	transparent	white	white, grey	transparent	white, grey, black	beige	
Content/Container:	310 ml	290 ml	200 ml, 85 ml		85 ml	310 ml		300 ml	310 ml	
Density g/cm ³ :	1,44	1,62	1,44	1,06	1,48	1,60	1,06	1,17	1,50	
Viscosity:	pasty				7.000 mPa.s	extremely pasty		pasty		
Stability/Run-off (ASTM D 2202) mm:	1	<1	1	<1	Liquid, self-levelling	<1	<1	1	>1	
Processing temperature:	+5°C to +40°C*2 (+41 to +104°F)									
Cure type:	by humidity									
Curing condition:	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity, Aqua-Flex also hardens under water							+5°C to +35°C (+41 to +95°F) and 40% to 70% rel. humidity	see Aqua-, Solar and Speed-Flex	
Skin-over time (minutes):*3	25	10	25	10	40	10	10	45	3	
Cure speed:*3	2-3 mm in the first 24 hours									
Volume change (DIN 52451) %:*3	-1	-2	-1	-3	-9	-1	-3	-6	Increase	
Gap filling up to max. mm:	5	10	5	5	0,5	5	5	5	10	
Gap width up to max. mm:	25	30	25	25	25	5	25	25	---	
Shelf life in months: +5°C to +25°C (+41 to +77°F)	12							9	12	
WEICON Adhesives and Sealants in cured condition										
Shore-A-Hardness (DIN 53505 / ASTM D 2240):	42	50	42	40	43	58	40	45	---	
Elongation at break (DIN 53504/ASTM D 412) %:	650	600	650	300	400	230	300	450	---	
Tensile strength of the pure adhesive/ sealant (DIN 53504 / ASTM D 412):	3,3 N/mm ² (480 psi)	1,9 N/mm ² (280 psi)	3,3 N/mm ² (480 psi)	3,0 N/mm ² (435 psi)	2,2 N/mm ² (319 psi)	2,2 N/mm ² (320 psi)	3,0 N/mm ² (435 psi)	2,0 N/mm ² (290 psi)	10 N/mm ² (1.450 psi)	
Average tensile shear strength (DIN 53283 / ASTM D 1002):*4	2,1 N/mm ² (300 psi)	1,5 N/mm ² (250 psi)	2,1 N/mm ² (300 psi)	2,0 N/mm ² (290 psi)	1,8 N/mm ² (261 psi)	1,3 N/mm ² (190 psi)	2,0 N/mm ² (290 psi)	1,6 N/mm ² (230 psi)	11 N/mm ² (1.595 psi)	
Tear strength (DIN 53515 / ASTM D 624):	20 N/mm ² (114 lb/in)	13 N/mm ² (74 lb/in)	20 N/mm ² (114 lb/in)	19 N/mm ² (108 lb/in)	11 N/mm ² (63 lb/in)	10 N/mm ² (57 lb/in)	19 N/mm ² (108 lb/in)	9 N/mm ² (51 lb/in)	---	
Movement capacity max. %:	15	20	15	20	10	15	20	10	---	
Fungicide:	no									
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)			-40°C to +80°C (-40 to +176°F) briefly (approx. 2 h) to +120°C (+248°F)		-40°C to +90°C (-40 to +194°F) briefly (approx. 2 h) to +120°C (+248°F)		-30°C to +100°C (-22 to +212°F)
Specific forward resistance (Layer thickness):	-	-	-	-	1,1 x 10 ¹² Ω/cm (2,3 mm)	1,4 x 10 ¹¹ Ω/cm (2,0 mm)	0,9 x 10 ¹² Ω/cm (2,5 mm)	-	-	
Paintable:*5	only "wet in wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints)				after complete curing	only "wet in wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints)		after complete curing		
Building material category (DIN 4102):	B 2									
Possible primers:	see primer selection table on page 113								---	

Technical Data

	WEICON Adhesives and Sealants in non-cured condition					
	Silicone A	Silicone LP	Silicone N	Silicone F	HT 300	Black-Seal
Basis:	1-C Polysiloxan (Acetat)	1-C Polysiloxan (Acetat)	1-C Polysiloxan (Pentanoxim)	1-C Polysiloxan (Acetat)		
Density (g/cm ³):	1,03	1,00	1,01	1,03	1,18	1,04
Viscosity:	pasty	pasty	pasty	11.000 mPa·s	pasty	pasty
Stability/Run-off (ASTM D 2202) mm:	1	1	1	liquid	1	>1
Processing temperature:	+5°C to +35°C*2 (+41 to +95°F)					
Cure type:	by humidity					
Curing condition:	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity					
Skin-over time (minutes):*3	15	10	7	15	8	7
Cure speed:*3	2-3 mm in the first 24 hours					
Volume change (DIN 52451) %:*3	< -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: +5°C to +25°C (+41 to +77°F)	15	12	12	12	12	12
	WEICON Adhesives and Sealants in cured condition					
Shore-A-Hardness (DIN 53505 / ASTM D 2240):	20	25	20	23	30	37
Elongation at break ISO 37, S3A [%]	700	575	550	370	300	470
Tensile strength ISO 37, S3A [N/mm ²]	1,4 N/mm ² (200 psi)	1,4 N/mm ² (200 psi)	1,5 N/mm ² (220 psi)	1,8 N/mm ² (260 psi)	2,5 N/mm ² (360 psi)	2,2 N/mm ² (320 psi)
Tension strength value at 100 % (ISO 37, S3A)	0,3 N/mm ² (40 psi)	0,5 N/mm ² (70 psi)	0,4 N/mm ² (60 psi)	0,8 N/mm ² (120 psi)	0,9 N/mm ² (130 psi)	0,7 N/mm ² (100 psi)
Movement capacity max. %:	25	25	25	/	15	15
Temperature resistance:	-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					
Building material category (DIN 4102):	B 2					

*2 For easier processing, the cartridges should be heated to room temperature (+20°/+68°F) before use at low temperatures.
 *3 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-Polymere (POP)	Basis Polyurethan (PUR)	Basis Silicone
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	Surface Cleaner	Surface Cleaner
	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		Roughen up finely + Surface Cleaner	Roughen up finely + Surface Cleaner	Roughen up finely + Surface Cleaner
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	Surface Cleaner	Surface Cleaner
	Primed	Surface Cleaner + K 200	Surface Cleaner + M 100	Surface Cleaner + E 500
	Painted	Surface Cleaner + K 200	Surface Cleaner + M 100	Surface Cleaner + E 500
	Powder-coated	Surface Cleaner + K 200	Surface Cleaner + M 100	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

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-treatment 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® Super-Tack	Flex 310 M® Stainless-Steel	Flex 310 M® 2 K	Flex 310 M® Liquid	Flex+bond®	Speed-Flex®	Speed-Flex® Crystal	Aqua-Flex®	Solar-Flex®	Flex 310 PU	Fast-Bond	Silicone A	Silicone LP	Silicone N	Silicone F	HT 300	Black-Seal
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Alcohol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	+	+	+	+	+
Concentrated formic acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	+	+
Ammonia 10 %	+	0	+	+	+	+	+	0	+	0	+	+	+	0	+	+	+	+	+	+
Petrol (92 to 100 octane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Diesel/heating oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	-	-	+	+
Glycol ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+
Ethanol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+
Freon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	-	-	+	+
Antifreeze	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gear oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	-	-	+	+
Glycerine (glycol)	+	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	+	+	+	+
Hexane	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	0	+	+	+
Hydraulic oil	0	-	0	0	0	0	0	0	0	-	0	0	0	0	+	+	0	0	+	+
Caustic potash solution 20%	0	0	0	0	0	0	0	0	0	0	0	0	+	+	-	-	-	-	-	-
Cooling lubricant, water-dilutable	+	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	+	+	+	+
Lyes, diluted	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Methanol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Methyl ethyl ketone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Motor oil, mineral and synthetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Sodium hydroxide solution 20%	-	-	-	-	-	-	-	-	-	-	-	-	0	0	+	+	0	0	+	+
Phosphoric acid 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
2-propanol	-	-	-	-	-	-	-	-	-	-	-	-	0	0	+	+	0	0	+	+
Nitric acid 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Hydrochloric acid 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Salt water/seawater	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sulphuric acid 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Edible oil/vegetable oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	+	+	+	+	+
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Benzine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Water	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Water, +90°C (+194°F)	+	-	+	+	-	+	+	+	+	-	+	+	-	-	+	+	+	+	+	+
Hydrogen peroxide 3%	+	-	+	+	+	+	+	+	+	-	+	+	-	-	+	+	+	+	+	+
Paraffin oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+
Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	0	0	+	+
Citric acid 10%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+

+ = resistant 0 = limited resistance - = not resistant

Formula for calculating the consumption quantity

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

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 ✓
13550125

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.



WEICON Primer K 200

250 ml ✓
13550225

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).



WEICON Primer S 300

250 ml ✓
13550325

For pre-treating absorbent and/or porous surfaces, like e.g. uncoated hardboards and plasterboards.



WEICON Primer P 400

250 ml ✓
13550425

For pre-treating non-absorbent low-energy surfaces, like e. g. plastics (PE, PP, TPE) and elastomers (EPDM).



WEICON Primer E 500

250 ml ✓
13558025

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

13955050

For application of WEICON Primer.



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.

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 ✓
13559500
Spray bottle

5 L ✓
13559505



Technical Data

	M 100	K 200	S 300	P 400	E 500
Basis:	Synthetic resin, with solvents	Synthetic resin, with solvents	Polyurethane, with solvents	Rubber, with solvents and chloric	Silicone resin, contains solvent
Colour:	colourless, transparent	colourless, transparent	yellowish, transparent	amber, transparent	slightly yellowish, transparent
Content:	250 ml				
Density (g/cm ³):	0,79	0,77	1,03	0,80	0,78
Consumption per m ² (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)
Evaporation time (min):	approx. 10	approx. 10	approx. 60	approx. 10 - 60	approx. 60
Period of use (hrs.):	24	24	4	1	8
Suited for	WEICON Adhesives and Sealants (except Silicones) WEICON Urethane				WEICON Silicone A, F and N WEICON HT-300 WEICON Black-Seal

WEICON Mounting Tape

New



Transparent

Moisture-resistant, UV-resistant, strong

load bearing capacity 80 kg/m
3 m x 19 mm (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 parts shall be fixed permanently both indoor and outdoor.

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 $+160^{\circ}\text{C}$ (-40°F to $+320^{\circ}\text{F}$) 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.

14100319
transparent



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 $+10^{\circ}\text{C}$ ($+50^{\circ}\text{F}$). Mounting Tape is not suitable for wallpapers or other sensitive surfaces. A removal of the tape may cause damage to the substrate.

Grey

Extremely strong adhesion, for smooth surfaces, high flexibility

load bearing capacity 85 kg/m
3 m x 19 mm (length x width)
core size 40 mm



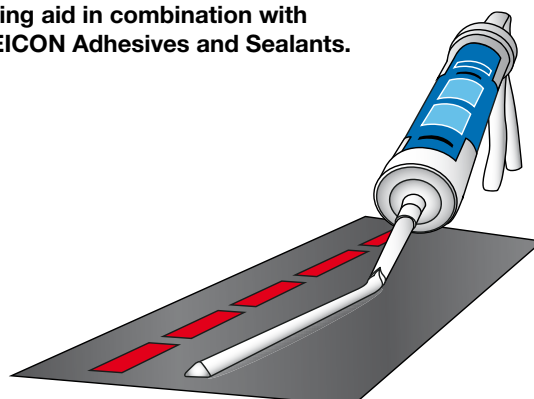
Mounting Tape Grey is a strong, double-sided adhesive tape made of modified acrylic foam. The tape is particularly suitable for the bonding of low-energy plastics, such as PE and PP, as well as for powder-coated surfaces. In combination with WEICON adhesives and sealants, it can be used as a fixing aid 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 $+120^{\circ}\text{C}$ (-40°F to $+248^{\circ}\text{F}$), is UV- and moisture-resistant and suitable for permanent joints both indoors and outdoors.

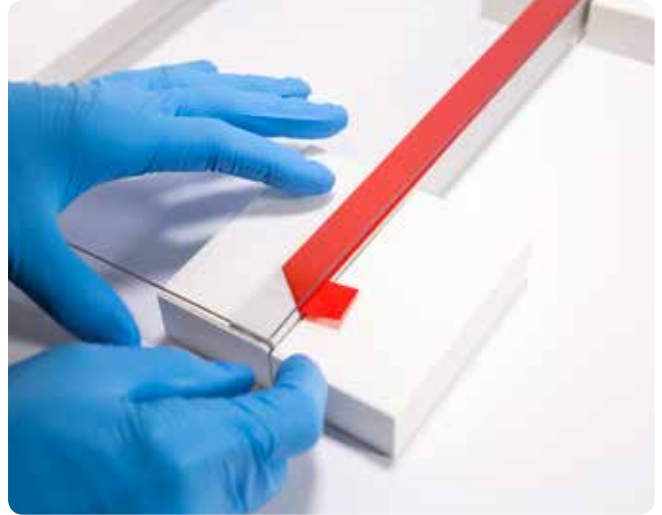
Mounting Tape Grey can be used in a variety of applications in many sectors, such as car body and vehicle technology, caravanning, metal and apparatus engineering, electronics, mechanical engineering, advertising, shipbuilding and marine technology.

14050319
grey

i Fixing aid in combination with WEICON Adhesives and Sealants.



Mounting Tape



Technical Data

	Transparent	Grey
Thickness	0,5 mm	0,9 mm
Elongation at break	750%	750%
Tensile Strength	9 N/cm	10 N/cm
Adhesion to steel*	20 N/cm	20 N/cm
T-Block tensile strength to aluminium*	80 N/cm ²	50 N/cm ²
Dynamic shear strength**	40 N/cm ²	45 N/cm ²
Static shear strength**	> 10.000 min	> 10.000 min
Temperature range	-40°C to +160°C (-40°F to +320°F)	-40°C to +120°C (-40°F to +248°F)

* 72 h

** +23°C (+73,4°F) and +70°C (+158°F), 1000 g, 625 mm²



WEICON GMK

GMK products are various contact adhesives for bonding rubber and metal.

GMK 2410

Permanently elastic and 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 and 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.

strong
Contact Adhesive
Rubber - Metal
elastic



185 g ✓ 16100185 Tube	300 g ✓ 16100300 Can	350 g ✓ 16100350 Brush top can	700 g ✓ 16100700 Can
5 kg ✓ 16100905 Bucket	25 kg ✓ 16100925 Bucket		



VIDEO

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.



VIDEO

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)
---	--

Rubber Metal Adhesive

GMK 2410

GMK 2510

Surface pre-treatment

The parts to be bonded must be clean, dry and free of dust or grease (WEICON Surface Cleaner). Roughening the surfaces increases the bonding power efficiently.

Application

Stir the product well before use (for GMK 2510 only the adhesive) and then evenly apply a thin layer over the entire surface to be bonded with a paint brush or spatula (smooth or fine-toothed). Two or three thin layers may be required depending on the type of material and application. Depending on the layer thickness, ambient temperature and air humidity, allow the coated surfaces to evaporate for 5 - 15 minutes.

With absorbent surfaces (e.g. felt), an additional adhesive layer should be applied after evaporating. As soon as the surfaces are dry but still feel a bit sticky (finger test), the parts must be joined under brief, strong pressure (e.g. with a roller or hammer). If the evaporation time is exceeded (over-drying), the adhesive must be applied again. Non-cured, exceeding adhesive can be removed with WEICON Surface Cleaner.



Mixing process for GMK 2510

Mix the adhesive and activator together thoroughly and bubble-free for four minutes with the application spatula or mechanical mixers at low speed (max. 500 rpm) (mixing ratio approx. 100:7) to obtain a homogeneous mixture. Only prepare the quantity which can be applied within the evaporation time.

Medium tensile shear strength

	GMK 2410	GMK 2510
Galvanised steel / EPDM:	0,16 N/mm ² (16,0 N/cm ² *) 23 psi	0,60 N/mm ² (60,0 N/cm ² *) 87 psi
Galvanised steel / galvanised steel:	1,60 N/mm ² (160,0 N/cm ² *) 232 psi	3,00 N/mm ² (300,0 N/cm ² *) 435 psi
Galvanised steel / SBR:	0,54 N/mm ² (54,0 N/cm ² *) 78 psi	0,50 N/mm ² (50,0 N/cm ² *) 72 psi
Galvanised steel / NBR:	0,57 N/mm ² (57,0 N/cm ² *) 83 psi	0,49 N/mm ² (49,0 N/cm ² *) 71 psi

* Tensile shear test in accordance with DIN 53281-83

Technical Data

	GMK 2410	GMK 2510
Basis:	Polychloroprene (CR)	
Density:	0,93 g/cm ³	0,85 g/cm ³
Viscosity:	approx. 2.400 mPa·s	1.500 mPa·s
Mixing ratio:	---	100:7
Colour:	yellowish-brown	black
Consumption:	250 - 350 g/m ²	150 - 300 g/m ²
Evaporation time:	5 - 10 min.	5 - 15 min.
Final strength:	approx. 24 h	
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!
Storage stability:	12 months when unopened	
Storage:	at room temperature (+15°C to +25°C/+59 to 77°F) dry, in densely closed packaging	

Surface and Anti-Corrosion Coating

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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 Coating
- Cleaner and Degreasers
- Protection and Care
- Solvents and Release Agents
- Lubricants





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

Zinc Spray

Long-term cathodic corrosion protection

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
11000400



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 matched to 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
11001400



Technical Sprays

Surface and Anti-Corrosion Coating

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 ✓
11002400



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 ✓
11013400
silver-grey

400 ml ✓
11012400
charcoal-grey

* applied in two cross-coated layers onto an undamaged zinc undercoat

Galva Spray

Colour matching hot-dip galvanized surfaces >450 h salt-spray-test DIN EN ISO 9227

WEICON Galva Spray is 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 car bodypainting, as coating on welded and drilled sections and as conductive intermediate layer in spot-welding.



400 ml ✓
11005400





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 <math><99,5\%</math>.

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 ✓
11050400

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 <math><99,5\%</math>.

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 ✓
11051400

Technical Sprays

Surface and Anti-Corrosion Coating

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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) for short periods of time.

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 ✓
11100400

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 ✓
11104400





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 the most diverse materials.



400 ml ✓
11103400

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 ✓
11101400

Corro-Protection

Corrosion protection of metal parts for indoor storages

WEICON Corro-Protection is a transparent 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).



400 ml ✓
11550400



Technical Sprays

Surface and Anti-Corrosion Coating

Messing-Spray



Gold Spray

High-grade and effective metal spray

WEICON Gold Spray is a weathering-proof metal spray with a high content of gold colored metal pigments and a high opacity. It is suitable for the visual enhancement of a wide variety of materials, such as metal, wood, plaster, concrete, masonry or plasterboard. It can be used both, indoors and outdoors.

The spray is suitable for decorating purposes, e.g. coating of figures, decorative-articles or picture frames. It can be used for the touch up of yellow-chromatised parts after drilling, welding or milling.

Gold Spray can be used in many areas, such as in arts and crafts, in restoration work or in hobby and DIY.



400 ml ✓
11105400

Brass Spray

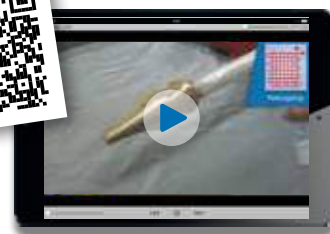
High-grade and effective

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 ✓
11102400



VIDEO



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*1:	RAL 9006, "Slightly weathered hot-dip galvanization"	corresponds approximately to RAL 9006, "Fresh hot-dip galvanization"	"Fresh hot-dip galvanization"	"Fresh hot-dip galvanization"	charcoal-grey / DB 703	silver-grey / DB 701
Application:	indoors and outdoors					
Binding agent:	styrenated alkyd resin	modified alkyd resin	acrylic resin	acrylic resin	alkyd resin	
Pigment:	flaky zinc and aluminium pigments	flaky zinc and aluminium pigments	zinc and aluminium pigments	zinc and aluminium pigments	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	
Percentage of metal in dry film:	approx. 70%	approx. 70%	approx. 51%	approx. 51%	approx. 58%	
Content:	400 ml					
Specific Weight g/cm ³ :	1,1 - 1,3	1,0 - 1,2	0,90 - 1,0	0,90 - 1,0	1,3 - 1,4	
Recommended primer:	not necessary	Zinc Spray			not necessary	
Processing temperature*2:	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*3:	approx. 150 ml/m ²				approx. 160 ml/m ²	
Layer thickness at 1.5 cross coats*3:	approx. 30-50 µm	approx. 20-40 µm			approx. 60-80 µm	
Drying time*3:	Dust dry	approx. 15 min.			approx. 30 min	
	Hardened	approx. 12 h			approx. 24 h	
	Painted over	approx. 24 h	approx. 12 h		approx. 24 h	
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	
Salt spraying test DIN 50021 / DIN 53167:	>1.050 h	>550 h	>450 h		>2.000 h**	
Mandrel bend test DIN EN ISO 1519:	no hair cracking					
Top coating:	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)	
Storage stability*5:	24 months					

*1 Corresponds approximately to the specified RAL colours.

*2 When processing at temperatures below +10°C (+50°F), heat spray cans to room temperature +20°C (+68°F).

*3 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	Gold Spray	Copper Spray	Brass Spray
aluminium-metallic, matt	aluminium, sheeny	RAL 9007, stainless steel metallic, matt	stainless steel metallic, bright	aluminium, glossy	gold-coloured, matte	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	indoors and outdoors
acrylic resin	hydrocarbon resin	acrylic resin	alkyd resin	natural resin	acrylic resin	acrylic resin	acrylic resin
aluminium pigments	flaky aluminium pigments	stainless steel pigments	stainless steel and aluminium pigments	flaky aluminium pigments	gold-coloured 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% Ms	approx. 99,9% Cu	approx. 99,9% Ms
approx. 43%	approx. 23%	approx. 45%	approx. 35,0%	approx. 15%	approx. 52%	approx. 50%	approx. 52%
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	0,9 - 1,0
Zinc Spray	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)							
approx. 120 ml/m ²	approx. 120 ml/m ²	approx. 120 ml/m ²	approx. 120 ml/m ²	approx. 150 ml/m ²	approx. 120 ml/m ²	approx. 120 ml/m ²	approx. 120 ml/m ²
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. 20-30 µm
approx. 10 min.							
approx. 4-6 h			approx. 10 h	approx. 4-6 h			
approx. 4-6 h	cannot be painted	approx. 4-6 h	approx. 8 h	cannot be painted	approx. 4-6 h	approx. 4-6 h	approx. 4-6 h
abrasion-resistant	not abrasion-resistant	abrasion-resistant	abrasion-resistant	not abrasion-resistant	abrasion-resistant	abrasion-resistant	abrasion-resistant
cross cut characteristic value GT 0 to GT 1							
---			>140 h	---			
no hair cracking							
not required	cannot be painted	not required	not required	not required	not required	not required	not required
from -50°C (-58°F) to +800°C ⁴⁵ (+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)	from -50°C (-58°F) to +300°C (+572°F)
24 months							

⁴⁴ applied in two cross-coated layers onto an undamaged zinc undercoat

⁴⁵ At a constant room temperature of +20°C (+68°F) and dry storage. The same applies for closed original barrels that are not subjected to direct or indirect sunlight.

⁴⁶ Above +350°C (+662°F) not abrasion-resistant.



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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 11202500

Fast Cleaner

Cleaner 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 11212500



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.

10953008



Technical Sprays

Cleaner and Degreaser

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 ✓
11207150

400 ml ✓
11207400

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 ✓
11203500

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 ✓
11204500

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 ✓
11205500





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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 ✓
11203550

Parts and Assembly Cleaner

Specially developed cleaner with a high flash point (> +60°C of the agent)

WEICON Parts and Assembly Cleaner is a specially developed cleaner with a high flashpoint (>+60°C of the active ingredient) and a long working time for the removal of coarse, oily, resinified and greasy contamination. Due to its high flashpoint, Parts and Assembly Cleaner conforms to the former VbF classification AIII (VbF = Regulation concerning flammable liquids) and complies with the recommendations of the professional associations for safety at work.

WEICON Parts and Assembly Cleaner is free of acetone, butanol, ethyl acetate, etc. Parts and Assembly Cleaner quickly and thoroughly cleans all kinds of assembly parts, aggregates, construction parts and tools. It removes oils, greases, dirt, etc., from all metal parts and cleans brakes, clutches, engine parts, etc. in the automotive sector. The product can be used in many industrial applications.



500 ml ✓
11201500



VIDEO



Technical Sprays

Cleaner and Degreaser

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, small trade and in the private sector.



400 ml ✓
11200400



Foam Cleaner

New

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,



400 ml ✓
11209400

Citrus Cleaner

Cleaner and degreaser on the basis of citrus essences

WEICON Citrus Cleaner is a universal cleaner based on citrus peel extracts. It cleans machines and systems, precision engineering components and precision mechanisms in industry and small trades. Citrus Cleaner easily removes adhesive residues, contamination due to oils, greases, resin and tar, lubricants as well as rubber residues and -abrasion. The product can even be used for contamination caused by pencils, ballpoint pens and felt pens.

WEICON Citrus Cleaner cleans the most diverse surfaces such as metal, plastic, glass, ceramic or painted and lacquered surfaces*. Citrus Cleaner can be used universally and, for example, in industry and small trade, window construction, public facilities and means of transport, construction companies and in the household.

*For safety reasons, the material compatibility should first be checked on a non-visible area.



400 ml ✓
11217400



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.



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 
11210400

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 
11202400


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 
11620400



Technical Sprays

Cleaner and Degreaser

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 ✓
11211200

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 antireflective. Its antistatic effect provides a dirt and dust-rejecting 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 ✓
11208200





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

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 ✓
11590400

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 be caused.



400 ml ✓
11400400

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.

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 ✓
11580400



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 ✓
11511400

Hand Protective Foam

Waterproof and providing lasting protection

Hand Protective Foam is waterproof and provides lasting protection.

WEICON Hand Protective Foam forms a grease-free, invisible and waterproof protective film which prevents the most diverse types of contaminants from penetrating the skin and pores. This "invisible glove" protects against contaminants and irritants from aggressive chemical substances. The usage of liposomes greatly improves the care effect. WEICON Hand Protective Foam can be used in many sectors.



200 ml ✓
11850200





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Rust Shock

The "chemical wrench"

WEICON Rust Shock is free of mineral oil, grease and silicone.

Rust Shock is a "chemical screwdriver" 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 ✓
11151400

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 ✓
11154400

Rust Converter

Rust Converter 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 metallicorganic 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 ✓
11155400



Technical Sprays

Solvents and Release Agents

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 ✓
11150400

Mould Release Agent

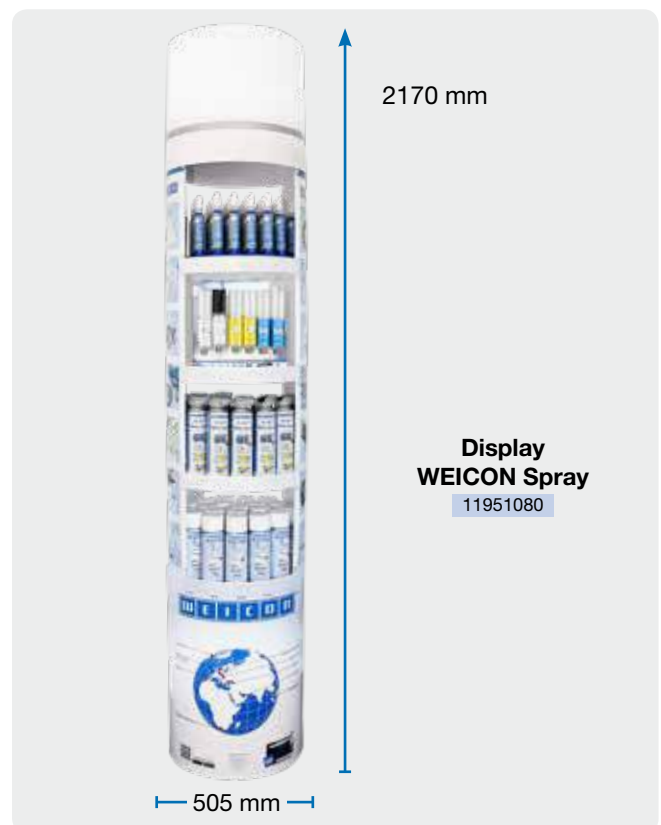
Silicone-free sliding and release agent

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 ✓
11450400



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 ✓
11152400



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 ✓
11451400



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 ✓
11630400



Technical Sprays

Solvents and Release Agents

Anti-Spatter Spray

Silicone-free

WEICON Anti-Spatter Spray contains no silicone and is used to clean welding nozzles and to keep them clean. At the same time, it protects the work piece to be welded against the effect of weld splashes without impairing the welding seam.

Anti-Spatter Spray prevents the adhesion of welding splashes on gas nozzles and workpiece surfaces, offers gap-free protection for the welding process, and makes follow-up cleaning of the work-pieces with a spatula, brush or chisel superfluous. Post-treatment of the work-piece such as: bronzing, galvanization, anodising or painting is possible without special cleaning. Cleaning, for example with WEICON Spray Cleaner S, may be necessary solely in the case of excessive spraying.



400 ml ✓
11700400

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 ✓
11206500



VIDEO





Double Nozzle

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. 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.



400 ml ✓
11251400

500 ml ✓
11251550



Double Nozzle
Only for the 500 ml product



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 ✓
11253400

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 ✓
11560200

Technical Sprays

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 ✓
11250150

400 ml ✓
11250400



Bio-Cut

Cutting oil for all metals

WEICON Bio-Cut contains no mineral oil, has water pollutant class 1 as a self-classification according to VwVwS (Verwaltungsvorschrift wassergefährdende Stoffe = German Administrative Regulation Regarding Water Pollutants), and is completely biodegradable.

Thanks to its particularly high lubricating effect, Bio-Cut enables high cutting speeds, long tool lives and thus also high tool cutting performance.

WEICON Bio-Cut can be used for drilling, turning, milling, grinding, sawing, punching and thread-cutting in all industrial applications.



400 ml ✓
11750400

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.



500 ml ✓
11600500



VIDEO



Anti-Friction Spray MoS₂

Dry lubricant

Anti-Friction Spray MoS₂ is a grease-free dry lubricant with pressure and temperature resistance from -185°C (-301°F) to +400°C (752°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 MoS₂ provides clean sliding lubrication, reduces friction, has excellent emergency running properties and reduces running noises.

WEICON Anti-Friction Spray MoS₂ shortens and improves the slide-in conditions for sliding bearings, gearings and other slide pairings, particularly at high pressure load and low sliding speed.

WEICON Anti-Friction Spray MoS₂ 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 ✓
11539400

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 ✓
11350400

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. The temperature resistance of the spray ranges from -50°C to +210°C (-58°F to 410°F).



400 ml ✓
11260400

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 ✓
11351400

Technical Sprays

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 ✓
11300400

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 ✓
11301400



VIDEO





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 powertransmitting bolts, gearwheels, worm gears, fast-running machine parts, joints, couplings, rollers, ball bearings and spring assemblies in many industrial applications.



400 ml ✓
11510400

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 noisedamping 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 ✓
11512400

Chain and Rope Lube Spray

Adherent, 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 ✓
11500400



Grease Sprays


Universal Spray-on Grease with MoS₂

High-pressure-resistant

WEICON Universal Spray-on Grease with MoS₂ is a high-pressure-resistant and strong long-term lubricant which reduces friction and wear for prolonged periods.

WEICON Universal Spray-on Grease with MoS₂ 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 MoS₂ 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 
11530400


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 
11540400


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 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 
11520400

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 
11541400



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 27000100

400 ml 27000400

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 27200400

Anti-Seize Assembly Spray High-Tech

Metal-free, NSF-tested

Anti Seize High-Tech Assembly Spray 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, and 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. The product can be used in many industrial applications.

Due to its special formula and the resulting NSF registration, Anti-Seize Assembly Spray High-Tech can contribute towards improvements in occupational safety and health protection.



400 ml 27050400

Sales-Displays



Sales-Display

500 ml Spray	11951079
400 ml Spray	11951082

Inlay 400 ml

Multi-Foam	11951089
Citrus Cleaner	11951088
AT-44	11951087
W44T	11951086
Surface Cleaner	11951085
Silicone Spray	11951084
Zinc Spray bright grade	11951083
Rust Converter	11951107

Inlay 500 ml

W44T	11951096
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Technical Sprays

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 
11801500


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 
11800500



VIDEO

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 
11802500






Leak Detection Spray

Non-flammable, anti-corrosive, DIN-DVGW-tested, foam-forming leak detector according to DIN EN 14291

Leak Detection Spray is non-flammable, anti-corrosive, kind to the skin and DIN-DVGW tested (certificate 5170AO0666). 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 (CO₂), 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 
11651400

Leak Detection Spray frost-proof




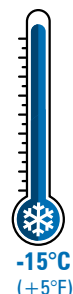
For detecting leaks on pressure pipes, frost-proof up to -15°C (+ 5°F), DIN-DVGW-tested

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 (CO₂), propane, butane, acetylene, oxygen, coal and natural gas, nitrogen, dinitrogen monoxide (N₂O) 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 
11654400



VIDEO



Leak Detection Spray viscous




For detecting leaks on pressure pipes

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 (CO₂), propane, butane, acetylene, oxygen, coal and natural gas, nitrogen, dinitrogen monoxide (N₂O) and CFC and it is not inflammable.

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 
11653400



Technical Sprays


Leak Detection Sprays and Crack Testing Agent

Crack Testing Agent

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


Cleaner 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 
11692500


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 
11690500

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 
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.



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

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 ✓
 11554400
 black

400 ml ✓
 11555400
 grey

400 ml ✓
 11553400
 white



Special sprays



Smoke Detector Test Spray

Silicone-free, evaporates without leaving residues

Smoke Detector Test Spray can quickly and reliably test the functional capacity of optical and photoelectrical smoke detectors without additional testing instruments.

The use of WEICON Smoke Detector Test Spray does not contaminate the detectors because the spray evaporates without leaving residues.

WEICON Smoke Detector Test Spray can be used in all applications involving photoelectrical fire detectors – for example, in industrial plants, public facilities or private residences.



150 ml ✓
11640150

250 ml ✓
11640250



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 ✓
11660400



Freeze Spray

Pin-pointed 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 ✓
11610400



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.



Silicone-Fluid

- excellent sliding and separating effect
- temperature resistance from -30°C to +250°C
- NSF-H1 registration

400 ml ✓
11351400



Spray-on Grease H1

- white grease, high-temperature-resistant
- odour- and tasteless
- NSF-H1 registration

400 ml ✓
11541400



Rust Loosener Fluid

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

400 ml ✓
11154400



Foam Cleaner

- special cleaner for the food industry
- universally applicable
- NSF A1 registration

400 ml ✓
11209400



Metal-Fluid

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

400 ml ✓
11580400



Bio-Fluid

- high lubricating effect and good capillary action
- high-purity medical white oil
- NSF-H1 registration

500 ml ✓
11600500



Top-Lube-Fluid

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

400 ml ✓
11512400





Technical Sprays

Technical Sprays for Sensitive Areas



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 ✓
11301400



Anti-Seize High-Tech

- white assembly paste, high-temperature-resistant
- metal-free
- NSF-H1 registration

400 ml ✓
27050400



W 44 T®-Fluid

- resin- and acid-free
- excellent capillary action
- lubrication, water repellency, corrosion protection, cleaning and conservation in one product

400 ml ✓
11253400



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 ✓
11212500



Maintenance of rubber sealings on a refrigerator



Surface care in gastronomy and kitchen areas



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.

NSF -Classifications for

Lubricants, Release Agents and Anti-Corrosion Agents

H1	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
H2	Lubricant where there is no possibility of food contact in and around food processing areas.	PTFE-Fluid, Top-Lube-Fluid

Cleaning Agents

A7	Metal cleaner and polisher for non-food 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)
C1	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)
A1	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, Foam Cleaner

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

Technical Data

	Colour	Odour	Temp. resistance	Content	Shelf life (months)	Special features
Adhering Grease extra strong	beige	almost odourless	-25°C (-13°F) up to +80°C (+176°F)	400 ml	24	adhering even under water
Adhesive Spray	beige	solvent	-20°C (-4°F) up to +65°C (+149°F)	500 ml	12	large surface bonding of light materials
Adhesive Spray extra strong	yellowish	solvent	-20°C (-4°F) up to +80°C (+176°F)	500 ml	12	bonding of big surfaces, even with absorbing materials
Adhesive Spray for detachable joints	colourless	solvent	-20°C (-4°F) up to +65°C (+149°F)	500 ml	12	does not strike through nor leaves wavy surfaces
Allround Sealing Spray	grey	solvent	-50°C (-58°F) to +100°C (+212°F)	400 ml	24	seals reliably and quickly
Alu Grinding Protection	colourless	solvent	-20°C (-4°F) up to +130°C (+266°F)	400 ml	24	silicone-free
Anti-Friction Spray MoS₂	anthracite black	solvent	-185°C (-301°F) up to +400°C (+752°F)	400 ml	24	dry lubricant on MoS ₂ basis
Anti-Seize Assembly Spray	anthracite	synthetic oil mixture	-180°C (-292°F) up to +1.200°C (+2.192°F)	400 ml	24	extremely high pressure resistance, corresponds to MIL907D
Anti-Seize Assembly Spray High Tech	white	medical white oil	-40°C (-40°F) up to +1.400°C (+2.552°F)	400 ml	24	perfect protection against the seizing of high-alloy steels, NSF H1
Anti-Spatter Spray	colourless	solvent	---	400 ml	24	SLV-tested, silicone-free
AT-44 Allround-Spray	yellowish	vanilla	-50°C (-58°F) up to +210°C (+410°F)	150 ml 400 ml	24	high-performance lubricating oil with PTFE
Belt Dressing Spray	colourless	mineral oil	-40°C (-40°F) up to +80°C (+176°F)	400 ml	24	suitable for highly-stressed power-transmission belts
Bio-Cut	colourless	almost odourless	up to +200°C (+392°F)	400 ml	12	completely biodegradable
Bio-Fluid	colourless	almost odourless	-25°C (-13°F) up to +120°C (+248°F)	500 ml	24	corresponds to purity grade of DAB10, USDA H1, FDA Regulations, FDA positive list
Brake Cleaner	colourless	citrus	---	500 ml	24	evaporates without residues
Burner Cleaner	colourless	citrus	---	500 ml	24	evaporates without residues
Chain and Rope Lube Spray	colourless	mineral oil	-40°C (-40°F) up to +200°C (+392°F)	400 ml	24	particularly adhesive, pressure-resistant, extremely high capillary action, sound-absorbent
Chewing Gum Remover	---	almost odourless	---	400 ml	24	removes even old chewing gum or modelling clay residues
Citrus Cleaner	colourless	citrus	---	400 ml	24	evaporates without residues
Cleaner Spray S	colourless	orange	---	500 ml	24	evaporates without residues
Cockpit-Spray	colourless	citrus	---	400 ml	24	dust- and water-repellent colour-intensifying, silk-matt
Compressed-Air Spray	---	almost odourless	---	400 ml	24	cleans in a contact-free manner
Contact Spray	transparent	solvent	-20°C (-4°F) up to +150°C (+302°F)	400 ml	24	dispels moisture, protects electrical contacts
Copper Paste Assembly Spray	copper	mineral oil	-20°C (-4°F) up to +1.100°C (+2.012°F)	400 ml	24	high temperature resistant
Corro-Protection	milky	solvent	-20°C (-4°F) up to +80°C (+176°F)	400 ml	24	on a wax basis
Crack Testing Agent Cleaner	colourless	solvent	0°C (+32°F) to +50°C (+122°F)	500 ml	24	evaporates without residues
Crack Testing Agent Developer	white	solvent	0°C (+32°F) to +50°C (+122°F)	500 ml	24	very good penetration properties
Crack Testing Agent Penetrant	red	solvent	0°C (+32°F) to +50°C (+122°F)	500 ml	24	reliable indication of material errors
Electro Contact Cleaner	colourless	solvent	---	400 ml	24	high-purity solvents
Fast Cleaner	colourless	solvent	-10°C to +50°C (+14°F to +122°F)	400 ml	24	NSF K1/K3 registration
Foam Cleaner	white	citrus	---	400 ml	24	NSF A1 registration
Fitting Spray	colourless	odourless	-25°C (-13°F) up to +120°C (+248°F)	200 ml	24	resin- and acid-free mineral oil
Freeze Spray	---	almost odourless	---	400 ml	24	targeted cooling of even the smallest components down to -45°C (-49°F)
Hand Protective Foam	white	odourless	---	200 ml	24	with liposomes, dermatologically tested

Technical Sprays

Technical Data

	Colour	Odour	Temp. resistance	Content	Shelf life (months)	Special features
Label Remover	colourless	citrus	---	500 ml	24	removes paper and foil labels with special spatula
Leak Detection Spray	milky	almost odourless	0°C (+32°F) up to +50°C (+122°F)	400 ml	24	DVGW-tested for oxygen and suited for CO2
Leak Detection Spray frost-proof	colourless	almost odourless	-15°C (+5°F) to +40°C (+104°F)	400 ml	24	DVGW-approval; frost-proof
Leak Detection Spray viscous	colourless	almost odourless	0°C (+32°F) to +50°C (+122°F)	400 ml	24	non-sag
Metal-Fluid	milky	almost odourless	---	400 ml	24	antistatic effect
Mould Cleaner	colourless	citrus	---	500 ml	24	removes waxes, oils, silicones and other impurities from moulds and tools
Mould Release Agent	colourless	solvent	-20°C (-4°F) up to +130°C (+266°F)	400 ml	24	silicone-free
Multi-Foam	white	citrus	---	400 ml	24	biodegradable
Parts and Assembly Cleaner	colourless	mineral oil	---	500 ml	24	high flash point (>+60°C/+140°F)
Plastic-Cleaner	colourless	citrus	---	500 ml	24	for sensitive plastic surfaces
Pneuma-Lube	yellowish	vanilla	-50°C (-58°F) up to +210°C (+410°F)	150 ml 400 ml	24	high-performance lubricating oil with PTFE
PTFE Fluid	whitish, transparent	almost odourless	-180°C (-292°F) to +260°C (+500°F)	400 ml	24	NSF H2 registration
PTFE-Spray	white	solvent	-180°C (-292°F) up to +250°C (+482°F)	400 ml	24	dry lubricant on a PTFE basis
Rust Converter	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
Rust Loosener and Contact Spray	beige	petroleum	-20°C (-4°F) up to +150°C (+302°F)	400 ml	24	sixfold function
Rust Loosener Fluid	beige	almost odourless	-20°C (-4°F) to +150°C (+302°F)	400 ml	24	loosens, lubricates, cleans and protects, NSF H1 registration
Rust-Shock	transparent	solvent	---	400 ml	12	removes rusted-tight screw connections of any type in seconds
Screen Cleaner	white	almost odourless	---	200 ml	24	also suitable for sensitive plastic and glass surfaces
Sealant and Adhesive Remover	pink	solvent	---	400 ml	18	powerful
Silicone Spray	colourless	solvent	-50°C (-58°F) up to +250°C (+482°F)	400 ml	24	silicone oil basis
Silicone-Fluid	colourless	odourless	-30 to +250°C (-22 to +482°F)	400 ml	24	NSF H1 registration
Smoke Detector Test Spray	colourless	solvent	---	150 ml 250 ml	24	silicone-free, evaporates without residues
Spray-on Grease H1	yellowish-white	almost odourless	-40°C (-40°F) up to +160°C (+320°F)	400 ml	24	odour- and tasteless high-temperature grease
Spray-on Grease white	white	solvent	-20°C (-4°F) up to +150°C (+302°F)	400 ml	24	very good adhesive and lubricating properties
Stainless Steel Care Spray	colourless	almost odourless	-20°C (-4°F) up to +130°C (+266°F)	400 ml	24	antistatic effect, indoors and outdoors
Starter-Spray	colourless	solvent	---	400 ml	24	for all combustion engines
Surface Cleaner	colourless	solvent	---	400 ml	24	before the application of WEICON Adhesives and Sealants
Top-Lube	colourless	mineral oil	-40°C (-40°F) up to +200°C (+392°F)	400 ml	24	particularly adhesive, pressure-resistant, and water-repellent. With excellent capillary action
Top-Lube-Fluid	slightly yellowish	neutral	-20°C to +250°C (-4°F to +482°F)	400 ml	24	synthetic, transparent, NSF H2 registration
Universal Spray on Grease with MoS₂	black	almost odourless	-20°C (-4°F) up to +120°C (+248°F)	400 ml	24	high-pressure-resistant, long-term grease
Visor Cleaner	white	almost odourless	---	200 ml	24	cleaning without residues and neutral to surfaces
W 44 T[®] Fluid	beige	almost odourless	-20°C to +150°C (-4°F to +302°F)	400 ml	24	loosens, lubricates, protects, separates and maintains, NSF H1 registration
W 44 T[®] Multi-Spray	yellowish	vanilla	-50°C (-58°F) up to +210°C (+410°F)	400 ml 500 ml	24	multifunctional oil with multiple effect

New
New

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Surface- and Anti-Corrosion Coating

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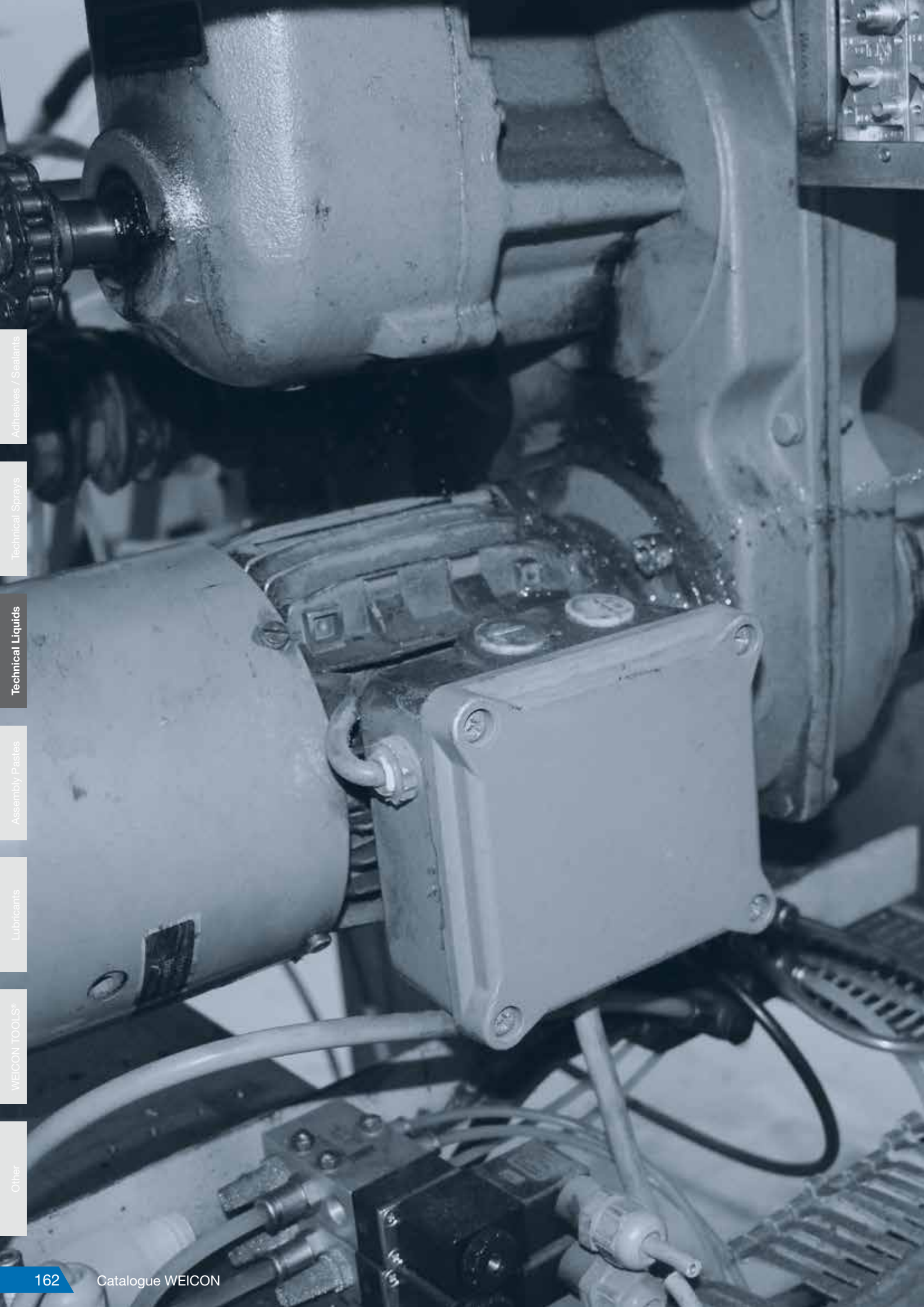
Lubricating and Multifunctional Oils

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Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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



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

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.



375 ml ✓
15002375

750 ml ✓
15002750

This protects WEICON Aluminium Paint against abrasion and chemical effects after it has thoroughly hardened.

*

 Not to spray with WSD 400 and WPS 1500. Just for brushing and / or applying.

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 ✓
15000375

2,5 L ✓
15000902

750 ml ✓
15000750

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 ✓
15001375

2,5 L ✓
15001902

750 ml ✓
15001750

Technical Liquids

Surface and Anti-Corrosion Coating

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).



5 L ✓

15550005

10 L ✓

15550010

28 L ✓

15550028

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 ✓

15152001

5 kg ✓

15152005

10 kg ✓

15152010

28 kg ✓

15152028





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.



- 5 L
15207005
- 10 L
15207010
- 28 L
15207028

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, noncured PUR residues and other impurities from plastic, steel or aluminium moulds.



- 5 L
15203505
- 10 L
15203510
- 28 L
15203528

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 electronical 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.

- 5 L
15212005
- 10 L
15212010
- 28 L
15212028

Fast Cleaner

Cleaner 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 material-compatible, 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.

- 5 L
15215005
- 10 L
15215010
- 28 L
15215028

Technical Liquids Cleaner and Degreaser

Sealant and Adhesive Remover*

Removes residues of cured sealants and adhesives

WEICON Sealant and Adhesive Remover quickly and easily removes residues of cured sealants and adhesives as well as lacquers and paints, even from vertical surfaces.

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.



- 5 L
15213005
- 10 L
15213010
- 28 L
15213028

* Not to spray with WSD 400 and WPS 1500. Just for brushing and / or applying.

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.



- 5 L
15200005
- 10 L
15200010
- 28 L
15200028





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.

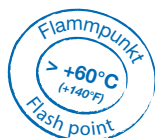
WEICON Brake Cleaner quickly and effortlessly degreases and cleans metals, glass and many plastics. It removes oily and greasy impurities and residues.

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 (carburetors, fuel and oil pumps, gears etc.).



- 5 L ✓
15201005
- 10 L ✓
15201010
- 28 L ✓
15201028

Parts and Assembly Cleaner



Specially developed cleaner with a high flash point (> +60°C/+140°F of the agent)

WEICON Parts and Assembly Cleaner is a specially developed cleaner with a high flashpoint (> +60°C/+140°F of the active ingredient) and a long working time for the removal of coarse, oily, resinified and greasy contamination.

Due to its high flashpoint, WEICON Parts and Assembly Cleaner conforms to the former VbF classification AIII (VbF = Regulation concerning flammable liquids) and complies with the recommendations of the professional associations for safety at work.

It quickly and thoroughly cleans all kinds of assembly parts, aggregates, construction parts and tools. It removes oils, greases, dirt, etc., from all metal parts and cleans brakes, clutches, engine parts, etc. in the automotive sector.



- 5 L ✓
15211005
- 10 L ✓
15211010
- 28 L ✓
15211028

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.

- 5 L ✓
15204005
- 10 L ✓
15204010
- 28 L ✓
15204028

*Before use, check surface compatibility



Technical Liquids

Cleaner and Degreaser

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). Special ingredients provide temporary corrosion protection.



- 500 ml ✓
15205500
- 5 L ✓
15205005
- 10 L ✓
15205010
- 28 L ✓
15205028

	Recommended application concentration				
	undiluted	1:10	1:20	1:30	1:40
Aluminium parts					•
Chromium, stainless steel and plastic				•	
Diesel residue	•				
Grease, soot, bitumen and tar splashes	•				
Hard floors		•			
Industrial floors, forklift trucks				•	
Insect dirt		•			
Inspection pits		•			
Lorries (also tarred canvases)		•			
Machine tools				•	
Machines, engines, oil/oil residues		•			
Repair parts					•
Steel degreasing			•		
Workshop equipment				•	

Citrus Cleaner

Cleaner and degreaser on the basis of citrus essences

WEICON Citrus Cleaner is a universal cleaner based on citrus peel extracts. It cleans machines and systems, precision engineering components and precision mechanisms in industry and small trades. Citrus Cleaner easily removes adhesive residues, contamination due to oils, greases, resin and tar, lubricants as well as rubber residues and -abrasion. The product can even be used for contamination caused by pencils, ballpoint pens and felt pens.



WEICON Citrus Cleaner cleans the most diverse surfaces such as metal, plastic, glass, ceramic or painted and lacquered surfaces. Citrus Cleaner can be used universally and, for example, in industry and small trade, window construction, public facilities and means of transport, construction companies and in the household.

- 5 L ✓
15210005
- 10 L ✓
15210010
- 28 L ✓
15210028



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

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.



5 L ✓	10 L ✓	28 L ✓
15590005	15590010	15590028

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 ✓	5 L ✓	10 L ✓
15580100	15580500	15580005	15580010
28 L ✓			
15580028			



Technical Liquids

Protection and Care



WEICON Pump Dispenser

15842001

For approx. 500 ml solvent- and mineral oil-free WEICON Technical Liquids.



WEICON Pump Dispenser
"Special"

15843001

For approx. 500 ml WEICON Cleaner S, Brake Cleaner and Rust Loosener.





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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).



- 5 L ✓
15150005
- 10 L ✓
15150010
- 28 L ✓
15150028

Label Remover

Simple and fast

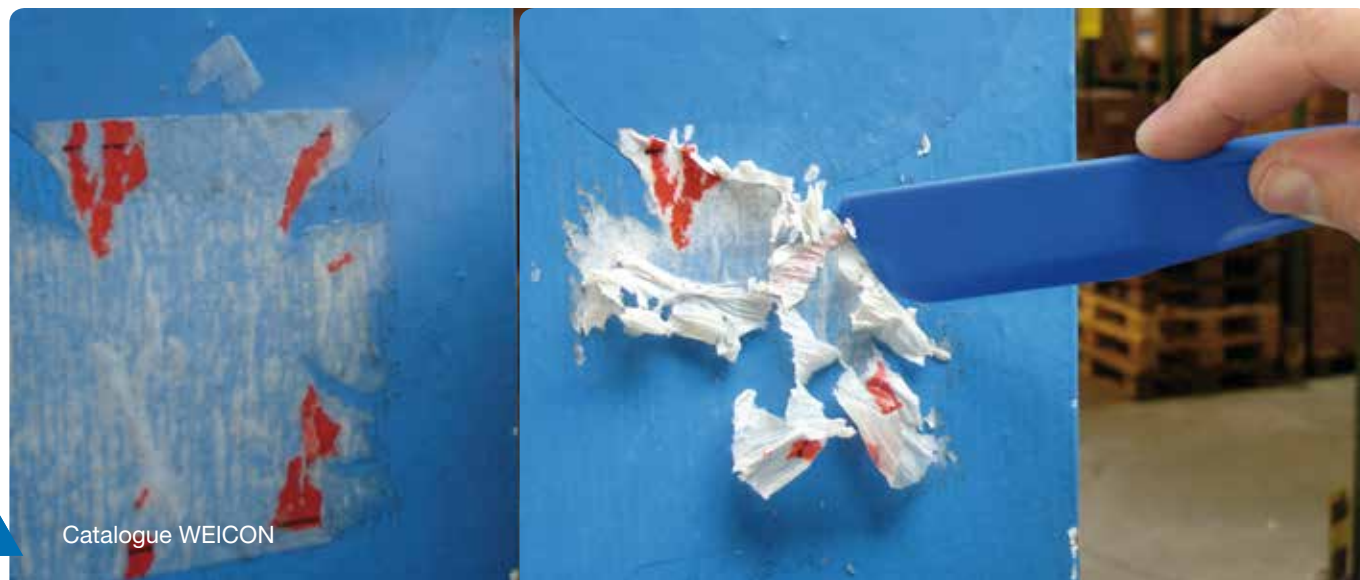
WEICON Label Remover quickly and easily removes paper labels and residues of acrylate and caoutchouc-based pressure-sensitive adhesives.

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.



- 5 L ✓
15206005
- 10 L ✓
15206010
- 28 L ✓
15206028



Technical Liquids

Solvents and 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.



5 L  15450005
10 L  15450010
28 L  15450028




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.

5 L  15050005
10 L  15050010
28 L  15050028





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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. 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.



5 L ✓
15251005

10 L ✓
15251010

28 L ✓
15251028



Technical Liquids

Lubricating and Multifunctional Oils

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.

5 L ✓	10 L ✓	28 L ✓
15250005	15250010	15250028





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.

- 5 L 15600005
- 10 L 15600010
- 28 L 15600028



Bio-Cut*

Cutting oil for all steel grades

Bio-Cut contains no mineral oil, has water pollutant class 1 as a self-classification according to VwVwS (Verwaltungsvorschrift wassergefährdende Stoffe = German Administrative Regulation Regarding Water Pollutants), and is easily biodegradable.

Thanks to its particularly high lubricating effect, WEICON Bio-Cut enables high cutting speeds, long tool lives and thus also high tool cutting performance.

WEICON Bio-Cut can be used for drilling, turning, milling, grinding, sawing, punching and threadcutting in all industrial applications.

- 250 ml 15750002
- 5 L 15750005
- 10 L 15750010
- 28 L 15750028



* Not to spray with WSD 400 and WPS 1500. Just for brushing and / or applying.

Lubricating and Multifunctional Oils



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Silicone

Sliding and release agent

Silicone is an ideal sliding and release agent for efficient production and maintenance. It also serves as a protection and care product for plastic, rubber as well as metal and it is temperature-resistant up to +250°C (+482°F).

WEICON Silicone can be used in many industrial applications.

- 5 L ✓
15350005
- 10 L ✓
15350010
- 28 L ✓
15350028



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).

- 5 L ✓
15260005
- 10 L ✓
15260010
- 28 L ✓
15260028





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Leak Detector



Non-flammable, non-corrosive, does not cause skin irritation, DIN-DVGW-tested, foam-forming leak detector according to DIN EN 14291

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 (CO₂), 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.



5 L ✓
15400005

10 L ✓
15400010

28 L ✓
15400028

Leak Detector frost-proof



For detecting leaks on pressure pipes, frost-proof up to -15°C (+ 5°F), DIN-DVGW-tested

The safe, easy and quick way to find leaks or porous spots on gas pipes. Leak Detector frost-proof does not form any harmful compounds with these gases: carbon dioxide (CO₂), propane, butane, acetylene, oxygen, coal and natural gas, nitrogen, dinitrogen monoxide (N₂O) and CFC and is non-flammable.

Leak Detector frost-proof is suitable wherever compressed air or gaseous substances are being used.

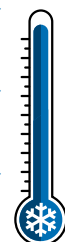
For example, it can be used on pipes, hoses, fittings, screw connections, valves and adapters.



5 L ✓
15404005

10 L ✓
15404010

28 L ✓
15404028



-15°C
(+5°F)

Leak Detector viscous

For detecting leaks on pressure pipes

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 (CO₂), propane, butane, acetylene, oxygen, coal and natural gas, nitrogen, dinitrogen monoxide (N₂O) 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.



5 L ✓
15403005

10 L ✓
15403010

28 L ✓
15403028



Technical Liquids

Pump-Dispenser WPS 1500 with EPDM-seals

15841500

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



Pump-Dispenser WPS 1500 with VITON-seals

15841500-V

Refillable plastic sprayer with VITON seal set especially for WEICON Rust Loosener, WEICON W44T and WEICON AT44

Extension piece 30cm with nozzle

15841501



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 stream-like to cloudy-fine.

The following accessories for WPS 1500 are available:

- 30 cm plastic extension with 0,8 mm diameter nozzle
- Sealing sets

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 pump with intake pipe



Pressurized-Air Spray Can WSD 400
15811400

Spray-valve set of 4 pieces
15811002

Adapter
15810001



	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	galvanized / metallic shine	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:	1,96 g/cm³	1,25 g/cm³	1,00 g/cm³
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 (+64,4°F to +86°F)		
Consumption:	approx. 120 ml/m²		approx. 150 ml/m²
Spray consistency:	10 - 20 % universal thinning		
Drying time (dust dry):	30 minutes	60 minutes	60 minutes
Hardened*:	12 hours		
Recoatible / can be reprimed*:	12 hours		
Final hardness*:	48 hours		
Minimum layer thickness:	50 µm	30 µm	20 µm
Cross-cut test (DIN 53151):	characteristic value GT 0 to GT 1		
Salt spray test (DIN 50021, 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		
Temperature resistance after reaching the final hardness:	approx. +400°C (+752°F)	approx. +240°C (+464°F)	approx. +300°C (+572°F) (from +100°C (+212°F), slight discolourations are possible)
Primer:	not necessary		WEICON Brushable Zinc Paint / Brushable Zinc Coating
Shelf life**:	12 - 18 months		
Available in:	375 ml and 750 ml size can		
Classification in accordance with Directive 2004/42 EC category 'A/i' single component special paints:	< 500 g/l VOC		

* +20°C (+68°F) can / surface temperature and 50% relative humidity.

** 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.

Technical Liquids

Technical Data

	Colour	Odour	Temperature resistance	Shelf life min. (Months)*	Special features	Suitable for use with
AT-44	yellowish	vanilla	-50°C (-58°F) to +210°C (+410°F)	24	high-performance lubricating oil - with PTFE	WSD 400 and WPS 1500
Bio-Cut	clear	almost odourless	to +200°C (+392°F)	24	mineral oil-free, easily biodegradable	---
Bio-Fluid	clear	almost odourless	-25°C (-13°F) to +120°C (+248°F)	24	meets requirements of DAB 10, USDA H1, FDA regulations, FDA positive list	---
Bio Welding Protection	milky	almost odourless	+5°C (+41°F) to +90°C (+194°F)	24	non-flammable, silicone-free	WSD 400 and WPS 1500
Brake Cleaner	clear	citrus	---	12	evaporates without leaving residues	WSD 400 and WPS 1500
Citrus Cleaner	clear	citrus	---	24	for sensitive surfaces	WSD 400 and WPS 1500
Cleaner S	clear	orange	---	12	evaporates without leaving residues	WSD 400 and WPS 1500
Corro-Protection	clear	solvent	-20°C (-4°F) to +80°C (+176°F)	24	RWTÜV-tested, wax-based	WSD 400 and WPS 1500 (The material must be stirred thoroughly before use.)
Electro Contact Cleaner	clear	almost odourless	---	12	evaporates without residues	WSD 400 and WPS 1500
Fast Cleaner	clear	solvent	-10°C to +50°C (+14°F to +122°F)	12	NSF K1/K3 registration	WSD 400 and WPS 1500
Label Remover	clear	citrus	---	12	removes paper and foil labels	WSD 400 and WPS 1500
Leak Detector	milky	almost odourless	0°C (+32°F) to +50°C (+122°F)	24	approved for gas piping by German DVGW, suitable for oxygen and CO2	WSD 400 and WPS 1500
Leak Detector frost-proof	colourless	almost odourless	-15°C (+5°F) to +40°C (+104°F)	24	DVGW approved, suitable for oxygen and CO ₂ ; frost-proof	WSD 400 and WPS 1500
Leak Detector viscous	milky	almost odourless	0°C (+32°F) to +50°C (+122°F)	24	suitable for oxygen and CO ₂	WSD 400 and WPS 1500
Metal-Fluid	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
Mould Cleaner	clear	citrus	---	12	evaporates without leaving residues	WSD 400 and WPS 1500
Mould Release Agent	clear	solvent	-20°C (-4°F) to +130°C (+266°F)	24	silicone-free	Pump dispenser, WSD 400 and WPS 1500
Parts and Assembly Cleaner	clear	solvent	---	24	high flash point (>+60°C/+140°F)	WSD 400 and WPS 1500
Plastic Cleaner	clear	citrus	---	12	for sensitive plastic surfaces	WSD 400 and WPS 1500
Pneuma Lube	yellowish	vanilla	-50°C (-58°F) to +210°C (+410°F)	24	high-performance lubricating oil - with PTFE	WSD 400 and WPS 1500
Rust Converter	milky	almost odourless	-30°C (-22°F) to +80°C (+176°F)	24	Rust converter and base coat in one process	---
Rust Loosener	beige	petroleum	-20°C (-4°F) to +150°C (+302°F)	24	sixfold function	WSD 400 and WPS 1500
Sealant and Adhesive Remover	pink	solvent	---	18	powerful	---
Silicone	clear	solvent	-50°C (-58°F) to +250°C (+482°F)	24	silicone oil	WSD 400 and WPS 1500
Stainless Steel Care Fluid	clear	solvent	-20°C (-4°F) to +130°C (+266°F)	24	antistatic effect, especially for outdoor use	WSD 400 and WPS 1500
Surface Cleaner	clear	citrus	---	12	evaporates without leaving residues	WSD 400 and WPS 1500
W 44 T®	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
Workshop Cleaner	blue	almost odourless	+5°C (+41°F) to +90°C (+194°F)	24	solvent-free, oil removal accommodating, biodegradable	WPS 1500

New
New

* 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.

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

Assembly Pastes

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Copper Paste	188
Anti-Seize Nickel	188



Anti-Seize

Assembly Pastes



ASA 400

WEICON

Anti-Seize

Montage-Spray ASA 400

Temperaturbereich von
-180°C bis +1200°C



Anti-Seize

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
- aggressive chemicals
- the influence of other media

WEICON Anti-Seize assembly pastes are especially 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.

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.

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 m².

Four product variants are available for various areas of application:

- Anti-Seize**
- Anti-Seize High Tech**
- Copper Paste**
- Anti-Seize Nickel**



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").

Anti-Seize High-Tech

Metal-free, NSF registration



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.

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Anti-Seize

Assembly Pastes



	Anti-Seize	Anti-Seize High Tech
10 g ✓ Syringe	26000001	-
30 g ✓ Pen	26000003	26100003
120 g ✓ Brush top can	26000012	26100012
85 g ✓ Tube	26000085	26100085
200 ml ✓ Press pack	26000200	-
400 g ✓ Cartridge	26000040	26100040
450 g ✓ Can	26000045	26100045
500 g ✓ Brush top can	26000050	26100050
1,0 kg ✓ Can	26000100	26100100
1,8 kg ✓ Bucket	26000180	26100180
5,0 kg ✓ Bucket	26000500	26100500
10,0 kg ✓ Bucket	26000910	26100910
20,0 kg ✓ Bucket	26000920	26100920
100 ml ✓ Spray	27000100	-
400 ml ✓ Spray	27000400	27050400

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



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

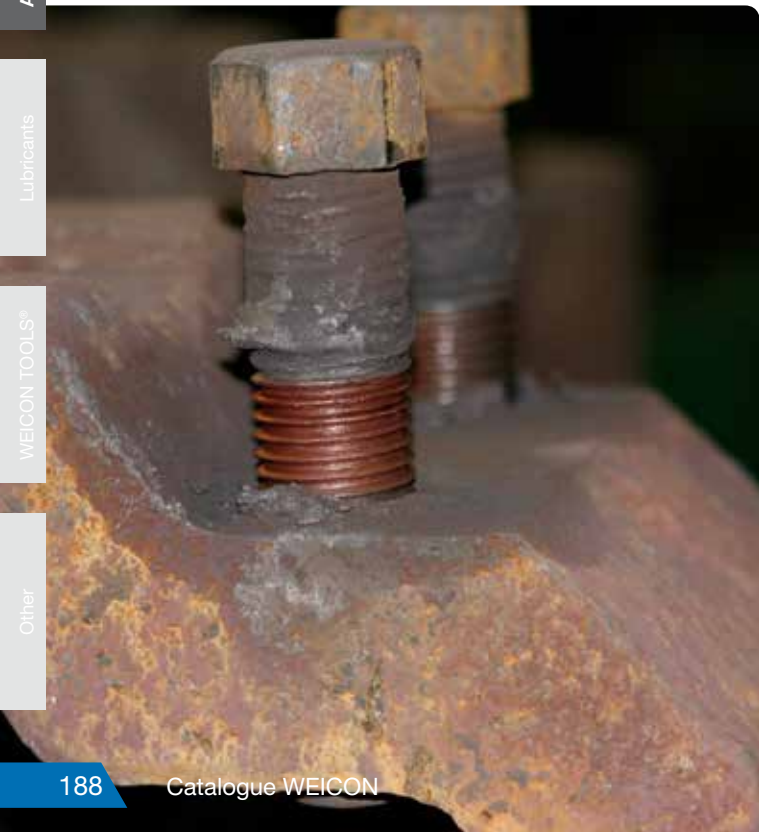
The assembly paste was developed to resist extreme conditions. It is highly sticky, water-repellent and resistant to sweet, salt and hot water as well as steam. The high nickel component furthermore provides protection against corroding and corrosive solvents which are contained in diluted hydrochloric 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 high-performance 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.

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



	Copper Paste	Anti-Seize Nickel
30 g Pen ✓	26200003	-
120 g Brush top can ✓	26200012	26050012
85 g Tube ✓	26200085	-
200 ml Press pack ✓	26200200	-
400 g Cartridge ✓	-	26050040
450 g Can ✓	26200045	26050045
500 g Brush top can ✓	26200050	26050050
1,0 kg Can ✓	26200100	26050100
1,8 kg Bucket ✓	-	26050180
5,0 kg Bucket ✓	-	26050500
10,0 kg Bucket ✓	26200910	26050910
20,0 kg Bucket ✓	-	26050920
400 ml Spray ✓	27200400	-

Assembly Pastes

WEICON Anti-Seize products and their behaviour towards sealing materials (elastomers)

	Anti-Seize	Anti-Seize High-Tech	Copper Paste	Anti-Seize Nickel
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 sealing materials (elastomers)

	Anti-Seize	Anti-Seize High-Tech	Copper Paste	Anti-Seize Nickel
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
Basic oil	Synthetic oil mixture	Medicinal oil	Synthetic oil	Mineral oil
Colour	anthracite	white	anthracite	copper
OFW device coefficient of friction	0,13	0,10 to 0,13	0,16	---
Coefficient of friction total	0,14 µ	0,13 µ	0,15 µ	0,12 µ
Coefficient of friction thread	0,13 µ	0,11 µ	0,14 µ	0,11 µ
Coefficient of friction on upside down	0,15 µ	0,14 µ	0,16 µ	0,13 µ
VKA-TEST (DIN 51350) goods load	4.200 N	3.600 N	---	3.000 N
VKA-TEST (DIN 51350) welding load	4.400 N	3.800 N	2.000 N	3.200 N
VKA-TEST (DIN 51350) Spherical cap value (1 Min/1000N)	0,5 mm	0,7 mm	0,6 mm	---
Worked penetration (DIN ISO 2137)	310 to 340 1/10 mm		310 to 340	310 - 340 1/10 mm
Sulphur content (DIN 51400)	< 0,1%			
Water resistance (DIN 51807)	0 - 90	1 - 90		
Temperature resistance	-180 to +1.200°C (-292 to +2.192°F)	-40 to +1.400°C (-40 to +2.552°F)	-30 to +1.450°C (-22 to +2642°F)	-20 to 1.100 °C (-4 to +2012°F)
Pressure load	230 N/mm² (33.400 psi)		230 N/mm² (33.400 psi)	---
Density at +20°C (+68°F) (DIN 51757)	1,16 g/cm³	1,42 g/cm³	1,30 g/cm³	1,1 g/cm³
Salt spray test (DIN 50017)	> 170 h			
Thermal conductivity	0,3 W/m•K	0,7 W/m•K	---	---
Dielectric strength	0,47 kV/mm	0,40 kV/mm	---	---
Specific resistance	1,2 x 10 ¹⁵ Ohm/cm	1,0 x 10 ¹⁵ Ohm/cm	---	---

High Performance Greases

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Silicone Grease	193



High Performance Greases

Allround Lubricant





Allround Lubricant

They 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



AL-F

Allround product, NSF registration



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 ✓ 26550035 Can	400 g ✓ 26550040 Cartridge	1,0 kg ✓ 26550100 Can	5,0 kg ✓ 26550500 Bucket	25,0 kg ✓ 26550925 Bucket
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AL-H

High-temperature-resistant, NSF registration, 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 ✓ 26500040 Cartridge	1,0 kg ✓ 26500100 Can	5,0 kg ✓ 26500500 Bucket	25,0 kg ✓ 26500925 Bucket
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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 ✓ 26600040 Cartridge	1,0 kg ✓ 26600100 Can	5,0 kg ✓ 26600500 Bucket	25,0 kg ✓ 26600925 Bucket
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Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



High Performance Greases

Allround Lubricant

AL-M

Long-term lubricant with MoS₂, 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 ✓
26400040
Cartridge | 1,0 kg ✓
26400100
Can | 5,0 kg ✓
26400500
Bucket | 25,0 kg ✓
26400925
Bucket |
|----------------------------------|-----------------------------|--------------------------------|---------------------------------|

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 ✓
26450040
Cartridge | 1,0 kg ✓
26450100
Can | 5,0 kg ✓
26450500
Bucket | 25,0 kg ✓
26450925
Bucket |
|----------------------------------|-----------------------------|--------------------------------|---------------------------------|



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.

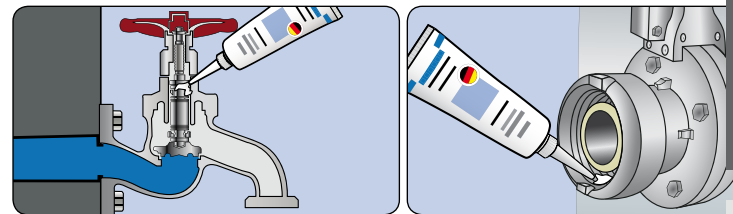
The grease is particularly material-friendly, neutral in odour and taste and has a temperature resistance of -50°C to +200°C.

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 ✓
26350005
Tube | 85 g ✓
26350085
Tube | 400 g ✓
26350040
Cartridge | 450 g ✓
26350045
Can | 1,0 kg ✓
26350100
Can |
| | | | 5,0 kg ✓
26350500
Bucket | 25,0 kg ✓
26350925
Bucket |

*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 031-1 "List of nonmetallic materials compatible with oxygen" (DGVU information 213-078) of BG RCI





Technical Data

		AL-T	AL-M	AL-W	AL-H	AL-F	Silicone Grease
Abbreviation (DIN 51502):		KPL 2 R -20	KF 2 K -20	KPL 1-2 E -25	KPHC 1P -40	KLF 2K -30	---
Consistency assignment (DIN 51818):		NLGI-Class 2	NLGI-Class 2	NLGI-Class 1-2	NLGI-Class 1	NLGI-Class 2	NLGI-Class 2-3
Basis:		Aluminium complex soap / mineral oil	Li/Ca soap / MoS ₂ / mineral oil	Spec. calcium soap / mineral oil	Aluminium complex soap / polyalphaolefine	Lithium soap / mineral oil	Pyrogenic silica silicone oil
Colour:		darkbrown	black	beige	yellowish-white	white	colourless translucent
VKA Test (DIN 51 350):	welding load	2400 N	3200 N	3400 N	1800 N	3600 N	---
	goods load	2200 N	3000 N	3200 N	1700 N	3400 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 ($k_a \cdot n \cdot d_m$):		400 000	250 000	350 000	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	280 ± 15 1/10 mm	222-310 1/10 mm
Water resistance (DIN 51807):		0 - 90	1 - 90	0 - 40	1 - 90	1 - 90	0 - 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)
Drop point (IP 396):		>210°C (+410°F)	>170°C (+338°F)	>100°C (+212°F)	>200°C (+392°F)	>190°C (+374°F)	without
Kinematic viscosity (DIN 51 562):	+40°C (+104°F)	approx. 230 mm ² /s	approx. 185 mm ² /s	approx. 100 mm ² /s	approx. 400 mm ² /s	approx. 100 mm ² /s	---
	+100°C (+212°F)	approx. 16 mm ² /s	approx. 14 mm ² /s	approx. 9 mm ² /s	approx. 40 mm ² /s	approx. 9 mm ² /s	---
Salt spray test with separated protective coats (Federal German Armed Forces Regulations 336 h/35°C, 5% NaCl):		---	---	no corrosion	---	---	---
EMCOR-corrosion test (DIN 51 802):		0 / 0	0 / 0	0 / 0	1 / 1	0 / 0	1 / 2
Density at +20°C (+68°F) (DIN 51757):		0,94 g/cm ³	0,92 g/cm ³	0,94 g/cm ³	0,93 g/cm ³	0,90 g/cm ³	0,98 g/cm ³
Conforms to:		. / .	. / .	Federal German Armed Forces TL 9150-0066, NATO specification G-460	NSF-H 1	NSF-H 2	NSF-H 1
Shelf life at least (months)*:		24	24	24	24	24	24

Type selection table

	AL-T	AL-M	AL-W	AL-H	AL-F	Silicone Grease
Rolling bearings	•	•	•	•	•	
Sliding bearings	•	•	•	•	•	
Chains			•			
Joints	•	•	•	•	•	•
Levers	•	•	•	•	•	•
Sliding guides	•	•	•	•	•	•
Linear guide systems	•			•		•
Spindles	•	•	•	•	•	•
Spline shafts	•	•	•		•	
Camshafts		•			•	
Springs		•				
Open gears		•	•		•	
Worm gears		•	•		•	
Cables			•			

High Performance Greases

Allround
Lubricant

WEICON lubricants and their behaviour towards sealing materials (elastomers)

	AL-T	AL-M	AL-W	AL-H	AL-F	Silicone Grease
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
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 - Polyoxylmethylene	++	++	++	++	++	++
PP - Polypropylene	++	++	++	++	++	++
PPO - 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.



Cable Stripper

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No. 8 - 27	201
No. 4 - 28 H	201
No. 4 - 28 G	201
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WEICON TOOLS®

Stripping Tools

4,0 C 11
6,0 C 10



WEICON TOOLS®

We develop, manufacture and distribute high-quality wire-stripping and other special tools for the industry and professional users and are able to look back on almost 50 years of success by now.

We present these tools at more than 40 fairs and trade shows every year, all over the world. We stay in constant contact with our users, who inform us of new developments in their work processes and, that way, us ideas and requests for new or improved WEICON TOOLS. This exchange of information generates a process that regularly results in product innovations and modifications and thus enables us to constantly offer our customers the perfectly engineered and up-to-date solutions they need.



Member of the German Tool Industry Association



VIDEO



Note: Working with WEICON TOOLS is only permitted on zero-potential cables and conductors.

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

WEICON TOOLS®

Stripping Tools

New Tools and modifications

LSA Sensor No. 40

New

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.



Stripper No. 2 Cat

New

Stripping tool for insulated PVC data cables (e.g. Cat5, Cat6, Cat7, twisted-pair cables) with a diameter of 4,5 -10 mm.



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Simply contact us for our Stripping Tools Catalogue!



Adhesives / Sealants

Cable Stripper

- completely ergonomic & fully insulated
- continuous regulation and easy to operate adjusting wheel
- precise, quick and safe stripping

Technical Sprays

No. S 4 - 28

Safe due to retractable hook blade

- the blade can be locked in both positions

mm	g	mm ²	Ømm	Art.-No.
145	72	-	4 - 28	50055328



Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



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 mm²

mm	g	mm ²	Ømm	Art.-No.
145	61	0,5 - 6 (20 - 10 AWG)	4 - 28	50057328



VIDEO



Cable Strippers



	mm	g	Ømm	Art.-No.
No. 4 - 16	140	84	4 - 16	50050116
No. 8 - 27	140	92	8 - 28	50050227
No. 4 - 28 H	185	98	4 - 28 with hook blade	50054328
No. 4 - 28 G	195	104	4 - 28 with straight blade	50054428
No. 28 - 35	170	87	28 - 35	50050435
No. 35 - 50	180	90	35 - 50	50050450

Classic-Version

	mm	g	Ømm	Art.-No.
No. C 4 - 16	135	67	4 - 16	50053116
No. C 8 - 27	135	69	8 - 28	50053227
No. C 4 - 28	180	80	4 - 28 with hook blade	50053328



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Simply contact us for our Stripping Tools Catalogue!



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.

No. 5

Saves space by locking the wire stripper



- 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 ²	Ømm	Art.-No.
170	107	0,2 - 6 (24 - 10 AWG)		51000005

No. 6

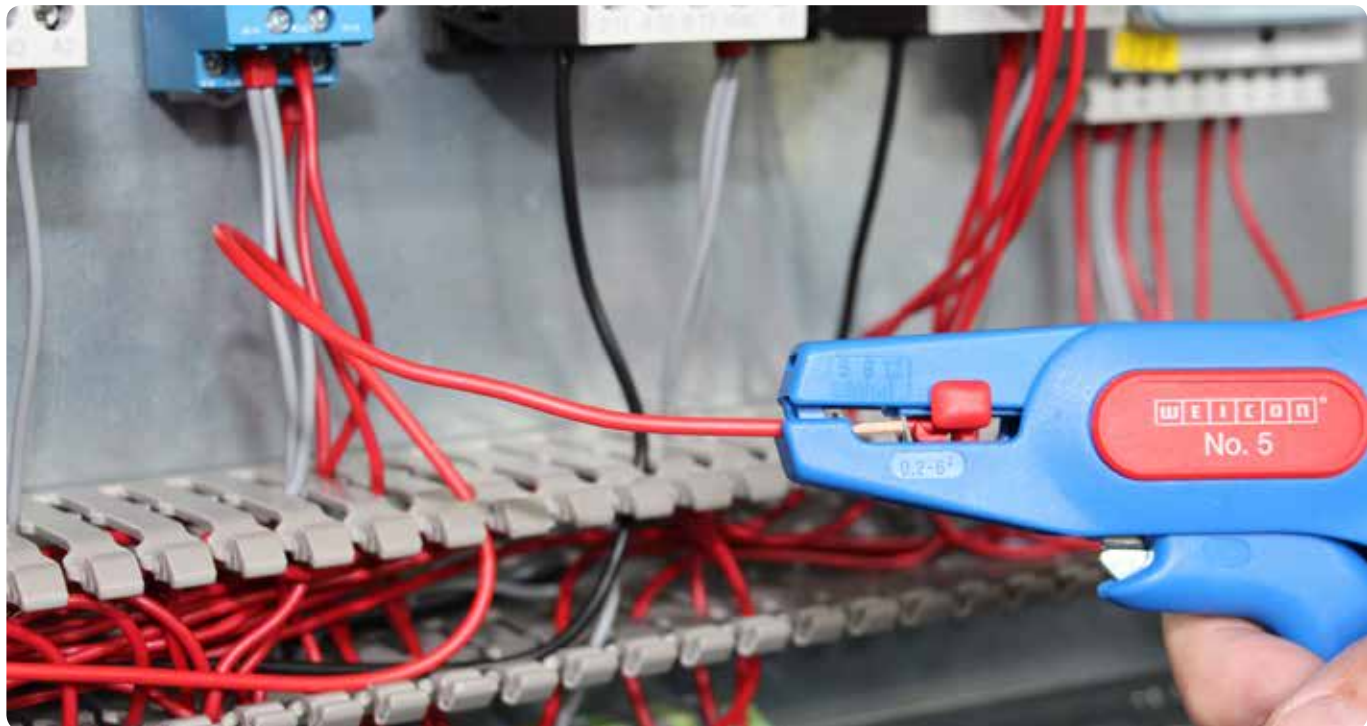
Working under voltage up to 1000 Volt*
Unit testing according to VDE regulation IEC 60900



- fully insulated, automatic Wire Stripper
- precise work with adjustable length stop (5 - 12 mm)
- saves space by locking the strippers

mm	g	mm ²	Ømm	Art.-No.
170	105	0,2 - 6 (24 - 10 AWG)	-	51000006

* Tools with safety insulation are basic prerequisites for working on equipment under voltage. Please always pay attention to the legal regulations and follow the corresponding safety advice!



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



mm	g	Round cables	mm ²	Art.-No.
170	217	Flexible Solid	0,5 - 16 (20 - 6 AWG) 0,5 - 10 (20 - 8 AWG)	51000007



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		mm ²	Art.-No.
170	220	Flat cables	0,75 - 4 (18 - 11 AWG)	51001007



450 mm

1620 mm

480 mm

WEICONTOOLS Shelf system
50952000

WEICONTOOLS Shelf system with LED-light
50952000-LICHT

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Simply contact us for our Stripping Tools Catalogue!



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.

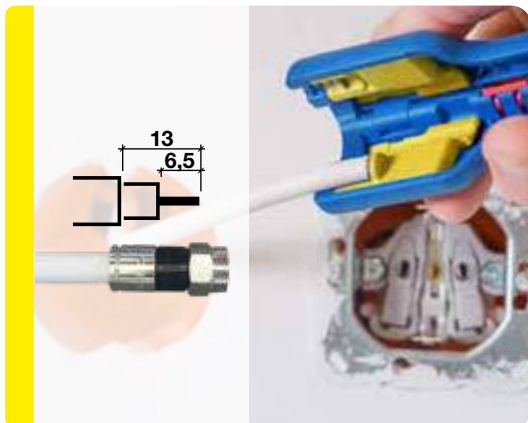
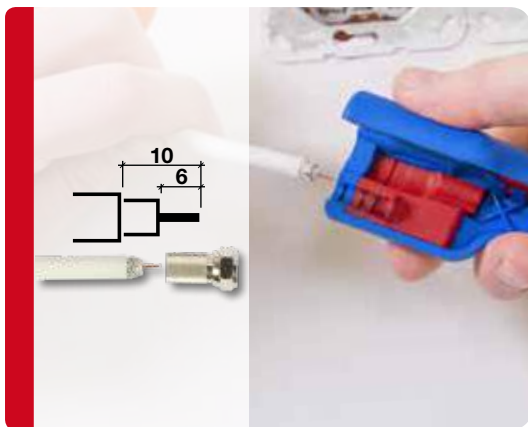
Coax-Stripper No. 1 F Plus



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 11mm width across flats
- gripping jaws for screwing F-connectors onto the cable
- changeable module inserts via click system

mm	g		Ømm	Art.-No.
125	47	for F-screw connectors	6,0 - 8,0	52000001
125	47	for F-compression connectors	6,0 - 8,0	52001001



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

Stripping Tools

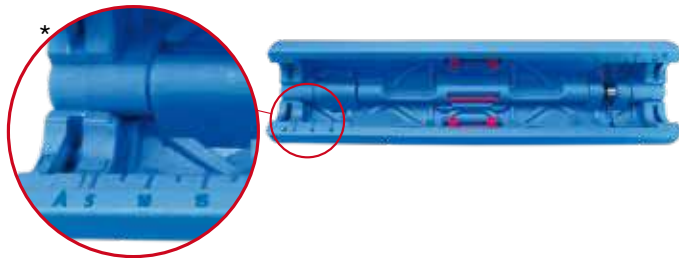
Coax-Stripper No. 2

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	mm ²	Ømm	Art.-No.
110	28	-	4,8 - 7,5	52000002



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	mm ²	Ømm	Art.-No.
125	55	-	4,8 - 7,5	52000003

Stripper No. 2 Cat **New**

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	mm ²	Ømm	Art.-No.
110	28	-	4,8 - 7,5	52002002



Simply contact us for our Stripping Tools Catalogue!



Round Cable Stripper No. 13

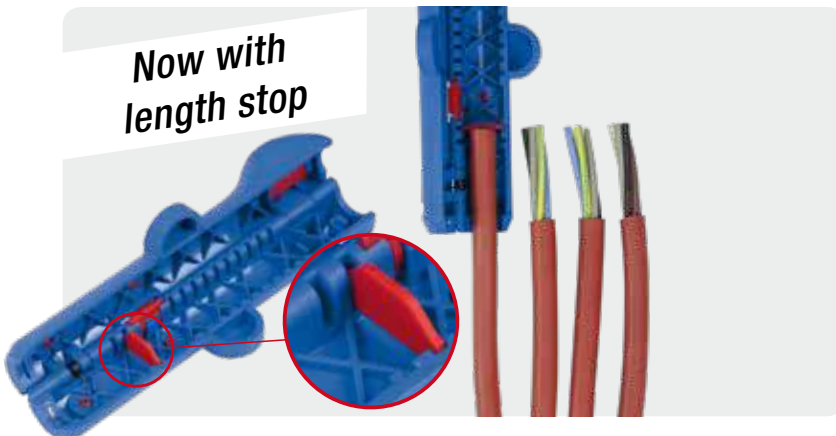
Safe work with the ergonomic anti-slip handle shape

- for all standard round cables
- flush stripping, even in hard-to-reach areas
- it is not necessary to adjust the cutting depth

mm	g	mm ²	Ømm	Art.-No.
140	48	-	6 - 13	52000013



Now with length stop



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	mm ²	Ømm	Art.-No.
120	44	-	8 - 13	52003013



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

Stripping Tools

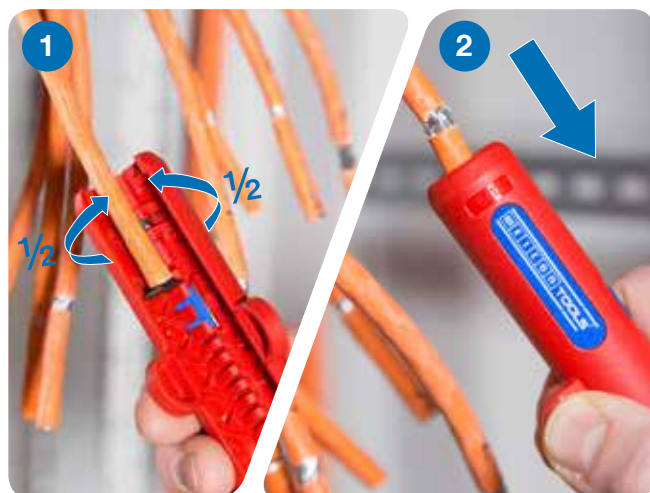
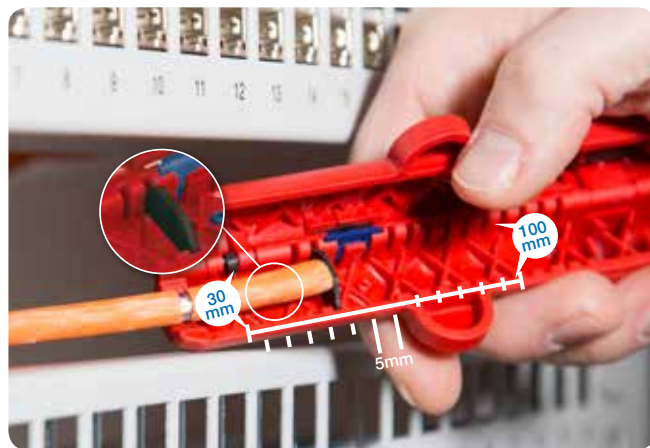
Cat Cable-Stripper No. 10

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	mm ²	Ømm	Art.-No.
140	48	-	4,5 - 10	52000010



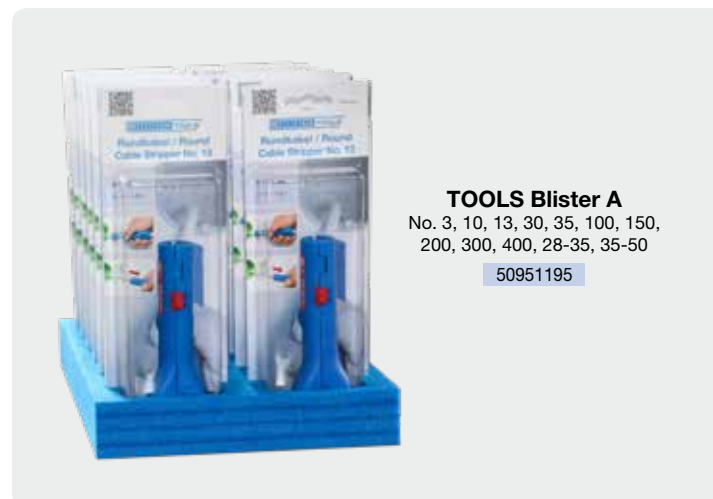
Quadro-Stripper No. 16

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 ²	Ømm	Art.-No.
125	53	0,5 - 6 (20 - 10 AWG)	8 - 13	52000016



TOOLS Blister A
No. 3, 10, 13, 30, 35, 100, 150,
200, 300, 400, 28-35, 35-50
50951195

Simply contact us for our Stripping Tools Catalogue!



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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.

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 ²	Ømm	Art.-No.
140	74	0,5 - 16 (20 - 6 AWG)	4 - 13	51000100

Duo-Crimp No. 300

Stripping and crimping with just one tool

- insulation removal from 0,5 mm² to 6,0 mm²
- two crimping ranges are offered (0,5 - 2,5 mm² and 4,0 - 6,0 mm²) according to DIN 46228-2
- integrated, well accessible side cutter up to 6 mm²



mm	g	mm ²	Ømm	Art.-No.
160	116	0,5 - 6 (20 - 10 AWG)	-	51000300



WEICON TOOLS® Multi-Purpose Strippers

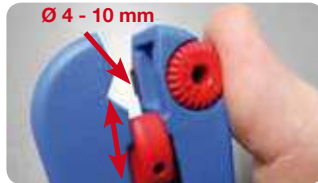
Data-Strip No. 30

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 ²	Ømm	Art.-No.
125	60	0,05 - 0,5 (0,2 - 0,8 Ø) (30 - 20 AWG)	4 - 10	52000030



Duo-Stripper No. 200

Professional dismantling and stripping

- quick and simple stripping from 0,5 mm² to 6,0 mm²
- dismantling: Working range 4 - 28 mm Ø
- spare blade in the handle case



mm	g	mm ²	Ømm	Art.-No.
160	123	0,5 - 6 (20 - 10 AWG)	4 - 28	51000200



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 mm²



mm	g	mm ²	Ømm	Art.-No.
160	112	0,5 - 6 (20 - 10 AWG)	-	51000150



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 ²	Ømm	Art.-No.
155	79	0,5 - 6 (20 - 10 AWG)	8 - 13	51000400



Adhesives / Sealants

Technical Sprays

Technical Liquids

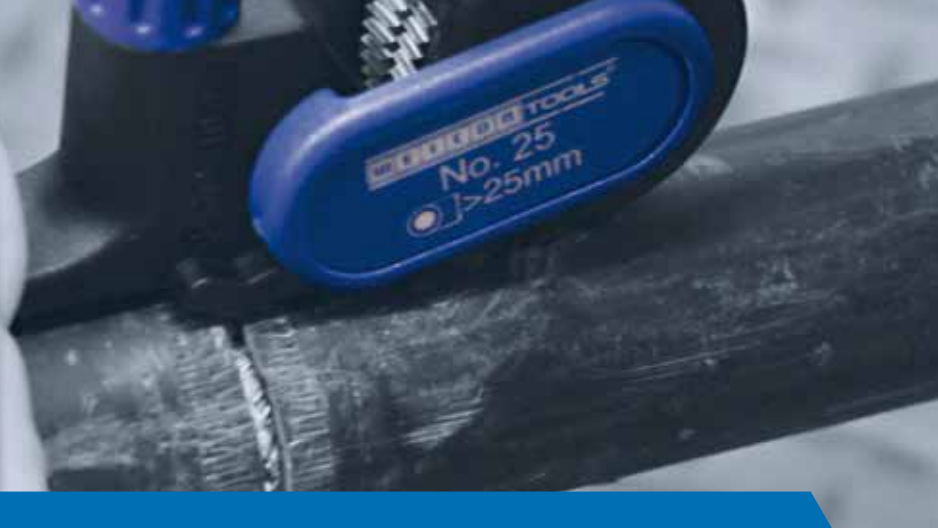
Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Simply contact us for our Stripping Tools Catalogue!



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 solar industry or working on high voltage cables, WEICON TOOLS has the solution!

Mini Solar No. 3

Special tools for dismantling and stripping of all common cables in the solar sector

- quick stripping of all common solar cables with outer diameters from 1,5 mm² to 6 mm²
- precise work with adjustable length stop (6 - 28 mm)
- integrated, well accessible side cutter up to 4 mm²

mm	g	mm ²	Ømm	Art.-No.
125	58	1,5 - 6 (15 - 9 AWG)	-	52002003



Wire Stripper No. 7 Solar

Special tools for dismantling and stripping of all common cables in the solar sector

- automatic wire stripper
- precise work with optical length scale (up to 26 mm)
- integrated, well accessible side cutter up to 3 mm Ø



mm	g	mm ²	Art.-No.
170	218	Solar cable 1,5 - 6 (15 - 9 AWG)	51002007



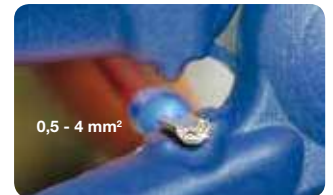
Cable Scissors No. 35

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	<35 mm ²	<50 mm ²	52000035

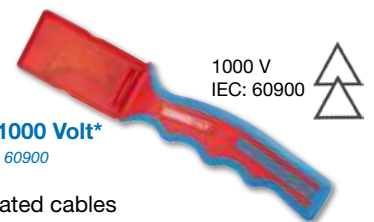


Cable Stripper H.D. No. 1000

Working under voltage up to 1000 Volt*

Unit testing according to VDE regulation IEC 60900

- quick cutting of multiple insulated cables
- conductor protection with the curved blade tip
- good transfer of force due to optimised handle shape



mm	g	Art.-No.
215	93	51001000

* Tools with safety insulation are basic prerequisites for working on equipment under voltage. Please always pay attention to the legal regulations and follow the corresponding safety advice!



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Special Tools

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	52000040



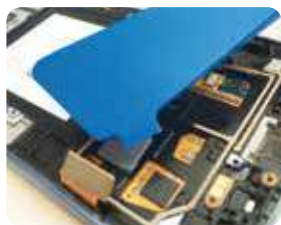
Multi-Opener



The ideal tool for the gentle opening of sensitive equipment and dismantling of clipped housings

- no scratching of sensitive surfaces
- conductive 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 Ω	52800000

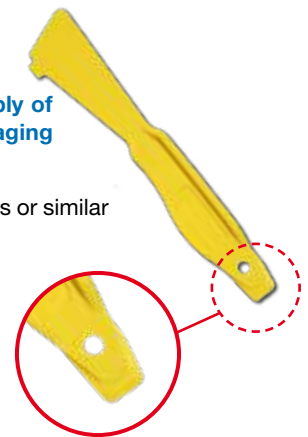


Easy Opener®

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	52800001



Dismantling Tool No. 25

For convenient longitudinal and circular cuts

- no scratching of sensitive surfaces
- conductive ESD material protects against electrostatic discharge
- flexible fibreglass-reinforced polyamide
- stainless steel blade to remove adhesive residues



mm	g	Ømm	Art.-No.
210	163	>25 mm	52000025

Simply contact us for our Stripping Tools Catalogue!



Adhesives / Sealants

Tool Sets



With our tool sets, we can offer solutions for almost all industries and the most different applications.

Technical Sprays

Crimp-Set Pro

Allround equipment for crimping with wire ends

mm Length x Width x Height	g	Art.-No.
340 x 280 x 55	950	52880002



Technical Liquids

Starter-Set Pro

Ideal selection for house installation

mm Length x Width x Height	g	Art.-No.
255 x 210 x 60	575	52880001

Assembly Pastes

Electrical Installation Set 1

- Duo-Crimp No. 300
- Round Cable Stripper No. 13

Art.-No.
52881001



Electrical Installation Set 3

- Wire Stripper No. 5
- Coax-Stripper No. 2

Art.-No.
52881003



Lubricants

Electrical Installation Set 2

- Wire Stripper No. 5
- Cable Stripper No. S 4-28

Art.-No.
52881002



Electrical Installation Set 4

- Wire Stripper No. 5
- Round Cable Stripper No. 13

Art.-No.
52881004



WEICON TOOLS®

Other

WEICON TOOLS® Tool Sets and Spare Parts

Spare Parts for tools

Art.-No.	Name	PU	
50100002	Spare blade for Cable Stripper series S 4 - 28 <i>Inner blade</i>	1	
50100001	Spare blade for Cable Strippers <i>Inner blade</i>	1	
51100008	Spare blade for No. 200 <i>Inner blade</i>	1	
51100002	Spare blade set No. 5/No. 6 <i>2 blades + 1 screw</i>	1	
51100006	Spare blade set No. 7 Magic <i>2 blades + 4 screws</i>	1	
51100007	Spare blade set No. 7-F <i>2 blades + 4 screws</i>	1	
51100005	Spare blade set No. 7 Solar	1	
52953030	Spare blade set No. 30 Data-Strip <i>1 blade + adjusting screw</i>	1	
51953020	Spare blade set for No. 150 / No. 200 / No. 300	1	
52953020	Spare blade for Dismantling Tool No. 25 <i>Double edge blade</i>	1	
52953040	Hook knife for No. 16 <i>1 hook knife 1 slider + 1 screw</i>	1	
52100008	Inserts for No.1 F Plus 6/4	6	
52100009	Inserts for No.1 F Plus 6,5/6,5	6	

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Pre- and Post-treatment of surfaces

Primer M 100	250 ml	Pre-treatment for bonding non absorbent surfaces like metals, plastics, lacquered surfaces	13550125
Primer K 200	250 ml	Pre-treatment for bonding non absorbent surfaces and lacquered plastic surfaces as well as elastomers e.g. EPDM	13550225
Primer S 300	250 ml	Pre-treatment of porous and absorbent background	13550325
Primer P 400	250 ml	Pre-treatment of polyolefines e.g. TPE, PE, PP	13550425
Primer E 500	250 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.	13558025
Smoothing Agent	500 ml	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.	13559500
	5 L		13559505
CA Primer for Polyolefines	10 ml	Pre-treatment for bonding polyolefines in combination with WEICON Contact Cyanoacrylates.	12450010
	100 ml		12450100
CA-Activator Spray	150 ml	Accelerates the curing time of WEICON Contact Cyanoacrylate Adhesives.	12500150
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.	12505150
Surface Cleaner	150 ml	WEICON Surface Cleaner is used for the cleaning and degreasing of surfaces to be joined or sealed with WEICON Adhesives and Sealants.	11207150
	400 ml		11207400
	5 L		15207005
	10 L		15207010
	28 L		15207030
Activator F Spray	200 ml	To activate passive surfaces, like e.g. aluminium, stainless steel, zinc, chrome, etc.	30700200
Activator F Liquid	1 L		30700501



Ancillary Products and Accessories

Mixing and Dosing Systems

Easy-Mix Hand Dispenser D 50	Suitable for all Easy-Mix types apart from PE-PP.	10653050
Hand Dispenser PE-PP	Only suitable for Easy-Mix PE-PP 45.	10663038
Special Piston PE-PP	For retooling the Hand Dispenser Easy-Mix D 50 to Easy-Mix PE-PP 45.	10663110
Mixing Nozzles PE-PP	Only suitable for Easy-Mix PE-PP 45.	10660002
Quadro Mixing Nozzle	Quadro Mixing Nozzle suitable for RK-7000/RK-7100/RK-7200, Easy-Mix Typen S 50, N 50, N 5000, Epoxy Minute Adhesive, Easy-Mix PU-90/PU-240.	10650005
Helix Mixing Nozzle	Helix Mixing Nozzle suitable for Easy-Mix Metal and HT 180	10650006
Glass Fibre Cloth Tape	Improves adhesion and pressure resistance of WEICON epoxy resins at many repair and maintenance jobs.	10850005
Processing Spatula	small (20,5 cm)	10953001
	large (25,5 cm)	10953003
Universal Spatula White	Special spatula for the gentle removal of the most diverse contamination and residues.	10953008
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.	10953020
Spiral Stirrer stainless steel	Spiral stirrer stainless steel.	10953010
Dosing Tips Type A	Dosing tip for all WEICON Easy-Mix types. WEICON RK-7000/-7100/-7200, RK 7300 for even finer dosing.	12955175
Dosing Tips Size 0	For exact, economic and point-to-point applications of WEICON Contact Adhesives.	12955170
Dosing Tips L Size 1	For exact, economic and point-to-point applications of WEICONLOCK.	30955172
Cartridge Gun "Standard"	For low and medium viscosity adhesives. Suitable for standard cartridges up to 310 ml.	13250001
Cartridge Gun "Special"	Professional quality. Recommended for medium and high viscosity adhesives. Suitable for standard cartridges up to 310 ml.	13250002
Compressed Air Cartridge Gun	For low and medium viscosity materials (310 ml cartridges). 1.45 kN thrust at 6.8 bar operating pressure.	13250009
Cartridge Cutter	For problem-free and safe cutting of plastic cartridge caps as well as for vertical or bevelled cutting of cartridge nozzles.	13250000
Special Mixing Nozzle	For Flex 310 M 2 K fast curing.	13309997
V-Joint Nozzle	For all one-component standard cartridges.	13955031
Primer Applicator	For application of WEICON Primer.	13955050
Pump Dispenser WPS 1500	Refillable pump dispenser for many WEICON liquids.	15841500
Pump Dispenser WPS 1500 with VITON-seals	Refillable plastic sprayer with VITON seal set especially for WEICON Rust Loosener, WEICON W44T and WEICON AT44.	15841500-V
Extension Piece for WPS 1500	Plastic prolongation 30 cm with nozzle 0,8mm (plastic).	15841501
Pressurized-Air Spray Can WSD 400	Pressurized-Air Spray Can - refillable.	15811400
Spray Valve Set for WSD 400	Valve Set (four different valves and a ball valve with dip tube).	15811002
Adapter for WSD 400	Adapter for filling from the compressed-air mains.	15810001
Pump Dispenser "Standard"	For all WEICON Technical Liquids which are free of solvents and mineral oil.	15842001
Pump Dispenser "Special"	For WEICON Cleaner S, Brake Cleaner and Rust Loosener.	15843001
Adjusting Valve for Cans	5 and 10 L	15830001
	28 L	15831001
Press Pack Brush Top	WEICON press pack brush top for Anti-Seize.	26955007



Adhesives / Sealants
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 WEICON TOOLS®
 Other



Agricultural Technology



Building trades



Mining



Stainless Steel



Electrical Installation



Energy Technology



Automotive and Transport



Rubber and Plastic Industry



Hydraulics and Pneumatics



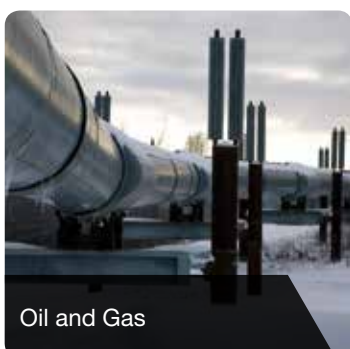
Maintenance



Food, Pharmaceutical and Cosmetic Industry



Mechanical Engineering



Oil and Gas



Marine Industry



Tooling, Model and Mould Making Industry



Application Areas



Simply find solutions.



www.weicon.com/app



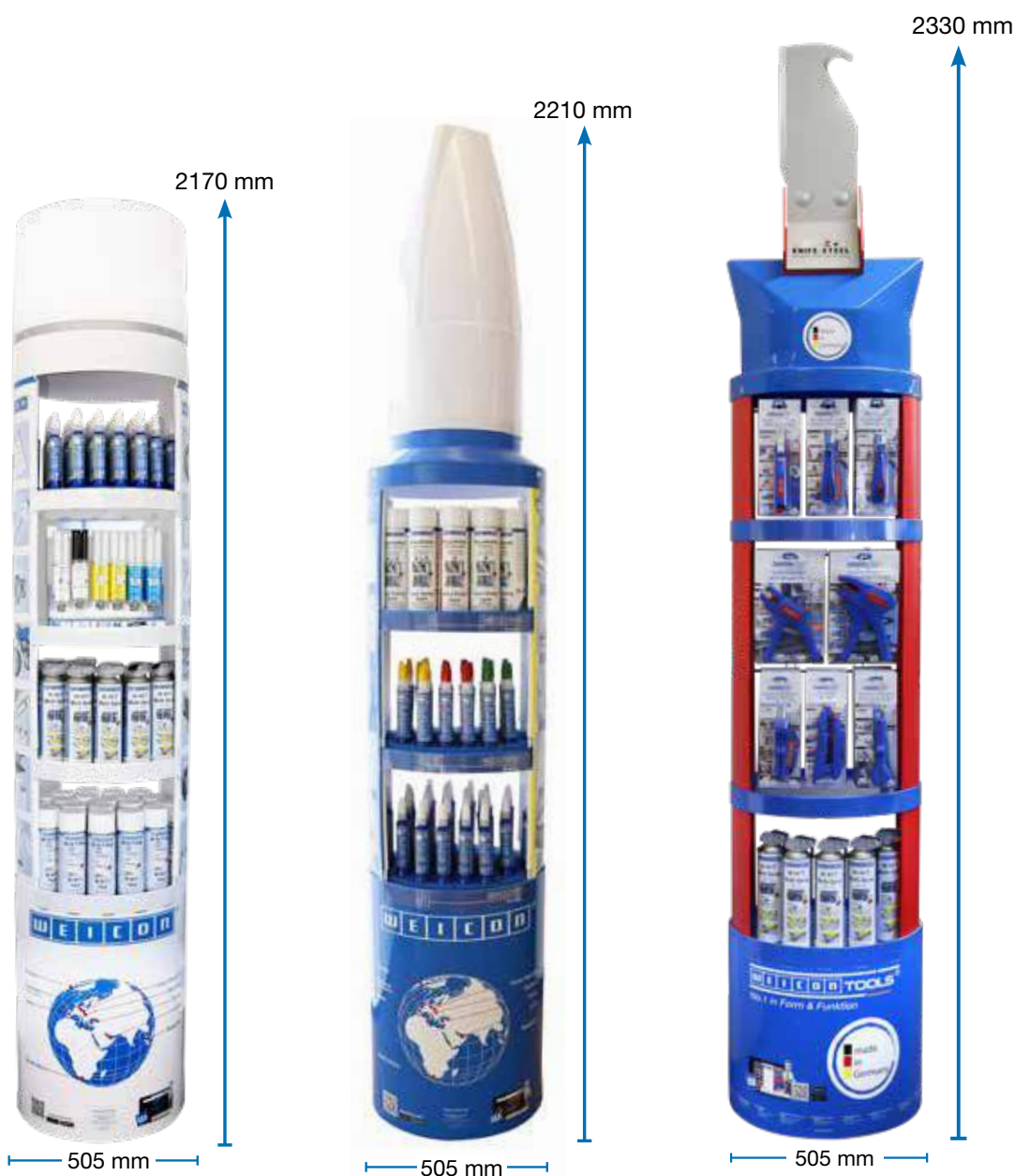
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Other



Adhesives / Sealants
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 Other

Floor and Foam displays

Equipment suggestion. Supply of the displays is without products.



Display WEICON Spray
11951080

Display WEICONLOCK Pen
30951080

Display Cable Stripper
50951050



**WEICONLOCK
30 x 50 ml oval**
30951190



**Lock 50 ml
half oval**
30951194



**CA 30g/Lock 20 ml
half oval**
12951092



**Cartridges 310 ml
half oval**
13951096



**Tubes 85 ml
half oval**
13951097

Product Presentation

Floor displays



WEICONTOOLS Shelf system
50952000

WEICONTOOLS Shelf system with LED-light
50952000-LICHT

Roll-Ups

Roll-Up WEICON
99951073

Roll-Up WEICON TOOLS
99951078



Floor display Universal
11951078

Counter displays



Display
500 ml Spray 11951079
400 ml Spray 11951082

Inlay 400 ml
Multi Foam 11951089
Citrus Cleaner 11951088
AT-44 11951087
W44T 11951086
Surface Cleaner 11951085
Silicone Spray 11951084
Zinc-Spray bright grade 11951083
Rust Converter 11951107

Inlay 500 ml
W44T 11951096



Sales display double syringe
10951060

Inlay
10950155-D





Adhesives / Sealants
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 Other

Product presentation



Equipment suggestion. Supply of the displays is without products.

Brochure display stand



Brochure display stand DIN A4
99951038



**Brochure display stand
DIN lang fourfold**
99951042



**Brochure display stand
small DIN A5**
99955213



**Brochure display stand
shelf system**
99951041



**Brochure display stand
shelf system DIN A4**
99951049



**Brochure display stand
(wire) DIN A4 fourfold**
99960053

Product Presentation

Foam displays for shelves



Repair Sticks 57 g / 115 g
10951090



Press pack
13951095



RK-1300/ RK-1500
50951195



Cartridges
13951090



Tubes 85 ml
13951093



WEICONLOCK® 10 ml
12951090



WEICONLOCK® 20 ml
12951091



WEICONLOCK® 50 ml
30951191



CA-Adhesives 12 g
12951090



CA-Adhesives 30 g
12951091



WEICON Pen 30 g
without base
30951193



WEICON Plast-o-Seal®
30951192



Smoke Detector Test Spray
11951090



Cable Stripper without Blister
No. S4-28 (Multi & Voltage)
50951190



Wire Stripper without Blister
No. 5, 6
51951191



TOOLS Blister A
No. 3, 10, 13, 30, 35, 100, 150,
200, 300, 400, 28-35, 35-50
50951195



TOOLS Blister B
No. 5, 6, 7, 1000
50951197



TOOLS Blister C
No. 1, 2, 16, 4-16, 8-27, 4-28,
S4-28, Multi-Opener, Easy Opener
50951196

Adhesives / Sealants

Technical Sprays

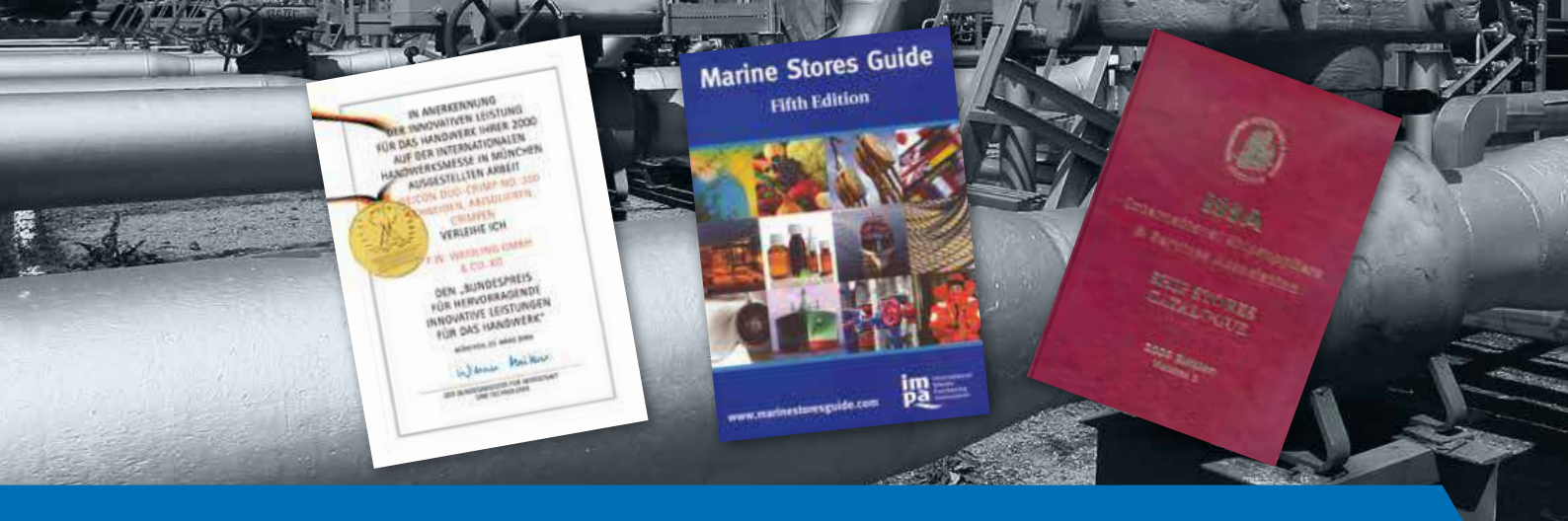
Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Certified for quality, technology and safety



ISEGA

Certificates of Conformity for WEICON Flex 310 M[®] Crystal, Flex 310 M[®] liquid, Flex 310 M[®] Stainless steel, Flex 310 PU, Flex 310 M[®] Classic, Flex+bond[®], Flex+bond[®] liquid, Aqua-Flex, Speed-Flex[®], Speed-Flex[®] Crystal, WEICONLOCK SI 303-31, Contact VA 20, VA 8312 and VA 8406 as adhesives in the foodstuff technology.



NSF

Cleaning and polisher C1/A7: Metal-Fluid

Lubricants H1:

Bio-Fluid, Silicone Fluid, W 44 T Fluid, Rust Loosener Fluid, Spray-on Grease H1, Anti-Seize High Tech Assembly paste ASW, Allroud Lubricant AL-H, Silicone Grease

Lubricants H2:

Allround Lubricant AL-F, Top Lube Fluid, PTFE Fluid

Solvent cleaner A1:

Fast Cleaner, Foam Cleaner

Drinking water systems and components

NSF/ANSI Standard 61:

WEICONLOCK types AN 301-38, AN 301-43, AN 301-48, AN 301-65, AN 301-70, AN 301-72, Contact VA 110, Repair-Stick Typen Copper, Steel, Plastic, Stainless steel



Other P1

SI 303-31, CA Activator Spray and CA Activator Spray AC

Coatings R2

Zinc Spray and Zinc Spray bright grade



DNV GL

Approval certificates for WEICON Plastic Metals A and SF for repairs on vessels.



ISSA

ISSA (International Shippers & Services Association) is an international association of nearly 2.000 ship suppliers worldwide. Meanwhile, members of ISSA supply more than 500 locations with equipment.



IMPA

IMPA (International Marine Purchasing Association) is an advocacy which promotes a close cooperation between buyers and suppliers in the maritime industry. The association has set itself the goal to improve the understanding between buyers and suppliers in the global maritime economy. In the past 37 years, the association has grown significantly and by today counts more than 700 members throughout the world.



Many of our products can be found in the ISSA and IMPA Catalogue.

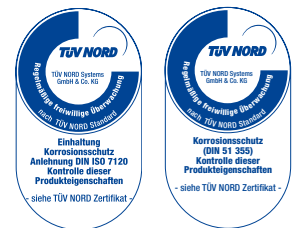
Adhesives / Sealants
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 Other

WEICON Top Quality Products

Certified for quality, technology and safety

TÜV NORD

Certificates stating the compliance with special quality standards of WEICON Zinc Spray, WEICON Zinc Spray „bright grade“ and WEICON Corro Protection. Safety approvals of the German TÜV stating that WEICON TOOLS Stripping Tools comply with the federal regulations on technical working equipment.



DVGW

Test mark certificates for WEICONLOCK Anaerobic Adhesives/Sealants types AN 301-43, AN 301-48, AN 301-72, AN 302-40, AN 302-43, AN 302-44, AN 302-45, AN 302-70, AN 302-72, AN 305-11, AN 305-42, AN 305-72, AN 305-77, AN 305-78, AN 306-20 and Thread Sealing Cord DF 175. Test mark certificate for WEICON Leak Detection Spray and Leak Detection Spray Frost-proof* for use in gas supply systems.



BAM

BAM tested and safety-related evaluated- according to leaflet M 031-1 "List of nonmetallic materials compatible with oxygen" (DGUV information 213-078) of BG RCI AN 302-75, AN 305-77, AN 305-78, AN 306-30 and Thread Sealing Cord DF 175.



Bundespreis 2000

For WEICON Duo-Crimp No. 300 as an outstanding innovative achievement.

AGA - Australian Gas Association

Certificate for WEICONLOCK AN 305-10, 305-72, 305-77, for jointing compounds and materials for use in gas pipe joints.



Hygiene-Institut des Ruhrgebiets

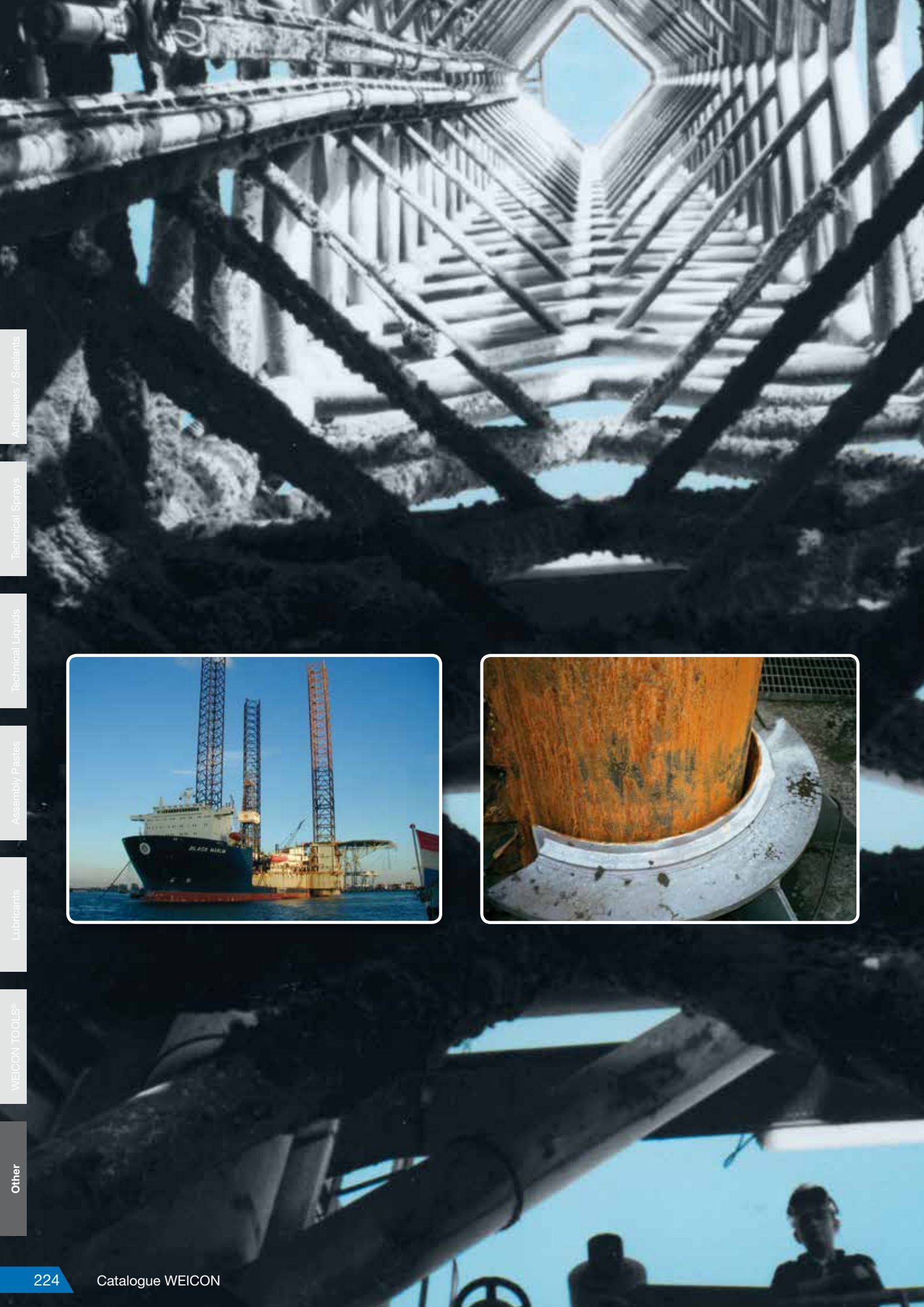
Hygienic assessment in contact with water.
Anaerobic adhesives: WEICONLOCK AN 302-42, AN 302-43, AN 302-44, AN 302-70, AN 302-72, AN 305-11, AN 305-72, AN 305-77, AN 305-78, AN 306-10, AN 306-20, AN 306-38, AN 306-48
High Performance Greases: Silicone Grease
Pipe and Thread Sealing: WEICONLOCK SI 303-31



WRAS

WRC-approval for Great Britain. WEICONLOCK AN 305-77, AN 306-20, WEICON Thread Sealing Cord DF 175





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



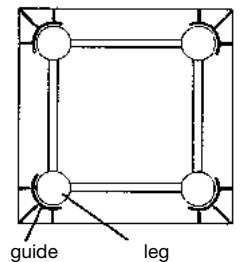
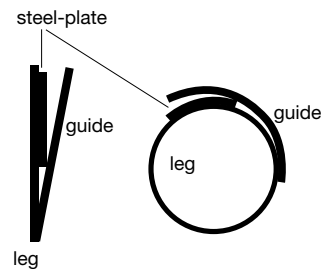
Offshore Transport of an Oilrig

Securing the transport of an oilrig with WEICON Plastic Metal RFC, a specially developed type for extreme requirements in the off-shore sector.

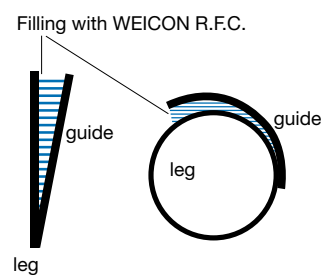
1,500 – 2,000 kg of WEICON Plastic Metal RFC are used for each transport job.



Previous solution:

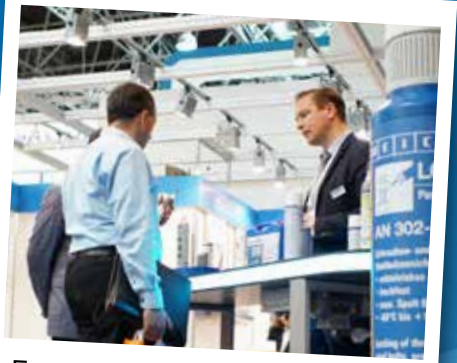


Current solution:

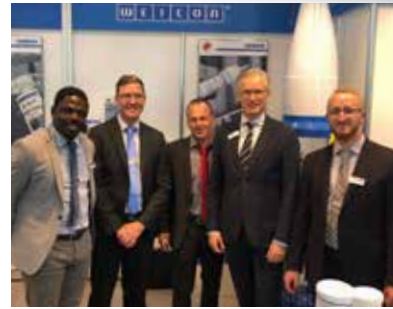


Trade fairs

The international orientation of our company is also shown by the large number of trade fairs we take part in. Visit us at one of the numerous trade fairs within this country and abroad. You can find information on current trade fair dates on www.weicon.com.



Euroblech



Bondexpo



Adipec, Dubai



MITEX, Moscow



OSEA, Singapore



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