



 **Catalogue**



Adhesives / Sealants



Technical Sprays



Technical Liquids



Assembly Pastes and Lubricants



Mounting Tape



Stripping Tools



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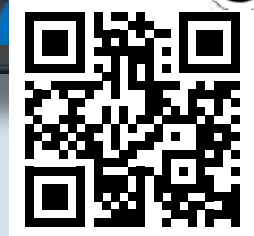
Management System
ISO 9001:2015
ISO 14001:2015

V 1 00



WEICON®

Simply find solutions.



weicon.com/app

You Tube



etech
components

All Enquiries: tel: +44 (0)1744 762 929 email: sales@etechcomponents.com web: www.etechcomponents.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 you only need one contact person for all kinds of applications.

New products

Once again, numerous interesting new products await you in this year's catalogue.

Whether in the range of cyanoacrylates, which are particularly resistant to high temperatures or moisture, new sprays for cleaning or insulating or a set for the quick repair of defective pipelines – your applications give us new ideas!

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 for a medium-sized company like ours.

sphera

A good example of this extensive range of services is a new software developed by sphera, which will make our company even more efficient in the future. With this software, we are able to offer labels and technical data sheets in 49 different languages. That way, we ensure that our products can be distributed worldwide including all important documents.

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!



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

Ralph Weidling Timo Gratilow

Ann-Katrin Weidling



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



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

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Fast and individual service

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

Strong sales support

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

Process-oriented organization

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

Worldwide sales network

- diversity of languages 30 languages worldwide
- nine branches
- over 1.200 trade partners worldwide
- over 40 exhibitions worldwide
- you find us and our products in 100 countries

**FAST.
COMPETENT.
RELIABLE.**



At any location!



We Are WEICON



Family-owned since 1947

1947
Foundation of
P.W. Weidling & Sohn

1950
Move to Engelstraße,
Münster

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

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

1959
First participation in the
Hanover Exhibition

1960
Relocation of the company
to Schleibrüggenkamp
in Münster

1964
Gerd Weidling takes
over the company management

1967
Introduction of the new
product line Stripping Tools

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

1987
Ralph Weidling joins
the company

Introduction of WEICONLOCK®
Anaerobic Adhesives

1947
-
1987

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

1997
Start of the cooperation
with company Williteco B.V.

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

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

Ralph Weidling takes over
the company management

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

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

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

Innovation Award of the German
Industry for WEICON Plastic
Metal RFC

2006
Patent for the
Pen-Systems

Extension of the
headquarters at
Königsberger Straße in
Münster

1988
-
2006

2008
Foundation of WEICON Inc.
in Kitchener, Canada

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

2010
Enlargement of the company
premises by acquisition
of a new 15,200 m² lot

2011
Foundation of WEICON
Kimya Sanayi in Istanbul, Turkey

Set-up of the
WEICON Online-Shop

2012
Foundation of WEICON Romania
in Targu Mures, Romania

WEICON participates in 45
exhibitions all over the world

2013
Foundation of WEICON SA,
Muizenberg, Southafrica

2014
WEICON Adhesive Finder
WEICON Catalogue

2007
-
2014

2015
WEICON App

Foundation of WEICON South
East Asia in Singapore

1st WEICON International
Meeting in Dubai

2016
10 year WEICON Pen-System

Foundation of WEICON
Czech Republic

Beginning the expansion of the
headquarters in Münster

2017
ISO certification

Foundation of WEICON Ibérica S.L

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

Completion expansion of the
headquarters in Münster

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

2020
Expansion of the
headquarters in Münster
Expansion of our
training laboratory



2015
-
2020

since 2005

WEICON Middle East

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

Meanwhile, more than 750 customers are supplied and supported by the WEICON Middle East team. Adhesive specialists, trained at the Fraunhofer Institute in Bremen (Germany), flexibility and extremely short delivery times are just a few of the many strengths of our team in the United Arab Emirates. Even at summer temperatures of up to +45°C, over 1.000.000 different WEICON products have been sold and shipped to our customers in the region.

The following countries are currently supported by the WEICON team in Dubai: United Arab Emirates, Saudi Arabia, Bahrain, Kuwait, Oman, India, and eleven countries in East Africa. The branch office has an area of approx. 1.100 sqm. Up to 150 pallets with WEICON products can be stored in Dubai. This enables us to guarantee that our customers are supplied locally, quickly and reliably with our products.

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



United Arab Emirates

WE ARE WEICON

SIMPLY FIND SOLUTIONS.

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info@weicon.ae
www.weicon.ae



Since 2008



WEICON Inc.

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

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

WEICON Inc. has office and storage space of approximately 320 sqm. More than 30.000 WEICON articles intended for our customers in North America are stored here at 50 pallet stations and on additional shelf space.



WE ARE WEICON

SIMPLY FIND SOLUTIONS.

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info@weicon.ca
www.weicon.ca



since 2011



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.



BİZ WEICON'UZ

KOLAY ÇÖZÜM

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phone +90 212 465 33 65
info@weicon.com.tr





since 2012

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.



SUNTEM WEICON

PUR ȘI SIMPLU SOLUȚII

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office@weicon.com



WEICON SA

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

Branch Manager, Peter Leibbrandt, oversees a team of ten well-trained employees including Sales Representatives in Johannesburg, Durban, Port Elizabeth and Cape Town.

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

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

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

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

WE ARE WEICON

SIMPLY FIND SOLUTIONS.

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 Muizenberg 7945 (Cape Town) · South Africa
 phone +27 (0) 21 709 0088
 info@weicon.co.za

since 2013 



WEICON

South East Asia

since 2015

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

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

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

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



**WE ARE
WEICON**

SIMPLY FIND SOLUTIONS.

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





since 2016 

WEICON

Czech Republic

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

The Czech Republic is a very interesting market with great economic potential. The country has been 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.



Česká republika

**MY JSME
WEICON**

JEDNODUŠE NAJDĚTE ŘEŠENÍ

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since 2017

WEICON Ibérica S.L.

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

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

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



SOMOS WEICON

ENCONTRAR FÁCILMENTE SOLUCIONES

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 phone +34 91 47 99 734
 info@weicon.es



since 2018 

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.



NOI SIAMO WEICON

TROVARE LA SOLUZIONE IN MODO SEMPLICE

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 www.umpgroup.ru

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 phone: +974 44600044 / +974 40350350
 www.qatari-industrial.com



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2-Component Adhesives and Sealants

möglichst sorgfältig
put und blasenfrei
(max. 500 U/min.)
Mischung +/- 2%).

the fillers in the
past 4 minutes
Get a uniform

WEICON
Plastik-Stahl
Plastik-Plastik
WEICON

Two-component epoxy resin systems

Add the hardener



Mix resin and hardener thoroughly and bubble-free



Apply mixed components



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

Applications

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

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

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

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



Now included in every package

Contour Spatula Flexy

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

10953020



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Epoxy Resin Systems

Plastic Metal

WEICON A

Pasty | steel-filled | certified by DNV 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.

▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
10000002 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.

▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
10050002 10050005 10050020

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 shrinkfree 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.

▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
10100002 10100005 10100020





VIDEO



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.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10420002 10420005 10420020



WEICON F

Pasty | aluminium-filled | non-corrosive | 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.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10150002 10150005 10150020

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.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10200002 10200005 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.

- ▶ 0,2 kg ▶ 1,0 kg
- 10450002 10450010



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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.

▶ 0,2 kg 10400002 ▶ 0,5 kg 10400005 ▶ 2,0 kg 10400020



WEICON Ceramic BL

WEICON SF

Pasty | steel-filled | fast-curing | certified by DNV GL | pot life 5 minutes

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.

▶ 0,2 kg 10250002 ▶ 0,5 kg 10250005 ▶ 2,0 kg 10250020



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.

▶ 0,2 kg 10430002 ▶ 0,5 kg 10430005 ▶ 2,0 kg 10430020





WEICON WP



WEICON WP

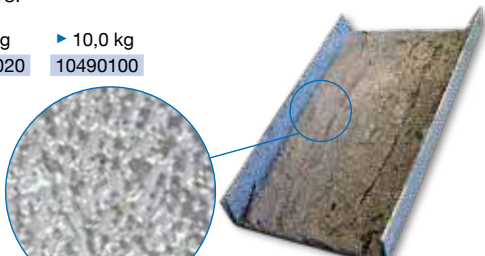
Pasty | ceramic-filled | extremely high resistance against abrasion and wear | high strength | residual elasticity and impact-resistant

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

- ▶ 0,2 kg ▶ 2,0 kg ▶ 10,0 kg
- 10490002 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.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10460002 10460005 10460020





Epoxy Resin Systems

Plastic Metal

WEICON UW

Pasty | mineral-filled | cures under water as well as on wet and damp surfaces

WEICON UW is a 2-component epoxy resin, which is fast-curing and especially suitable for repair works, for example on pipes, pumps, tanks and containers.

Due to its special formula, WEICON UW shows very good adhesion in underwater applications to different materials and can therefore be used in the entire marine and shipping sector, in sewage systems and wherever wetness and moisture can otherwise cause adhesive problems.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10440002 10440005 10440020



WEICON HP NEW

Pasty | mineral-filled | shock-resistant | cures under water as well as on wet and damp surfaces

WEICON HP is a 2-component epoxy resin with longer curing time, enormous shock resistance as well as high residual elasticity and abrasion resistance.

Due to its high elongation at break and paste-like texture, WEICON HP can be used for repairs, as abrasion protection as well as for lining heavily stressed equipment. The adhesive also shows excellent adhesion to wet and damp surfaces and in underwater applications.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10390002 10390005 10390020



Characteristics		Plastic Metal UW	Plastic Metal HP
Pot life		20 min.	30 min.
Handling strength		4 h	16 h
Complete curing		24 h	48 h
Bond	Use	Plastic Metal UW	Plastic Metal HP
above water	above water	24,9 N/mm ²	23,8 N/mm ²
above water	under water	21,6 N/mm ²	20,5 N/mm ²
under water	under water	16,4 N/mm ²	15,3 N/mm ²

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

Ideal water temperature for processing
 WEICON UW: +10°C to +20°C
 WEICON HP: +20°C to +40°C



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



WEICON 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 with 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.

- ▶ 0,2 kg ▶ 1,0 kg
- 10520002 10520010

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.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10410002 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.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10300002 10300005 10300020



WEICON WR2

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

WEICON WR2 is particularly suitable for applications where the processing of casting compounds is not possible, such as the repair of conveyors, guide rails and chutes.

It can also be used to prevent wear on metal surfaces exposed to high abrasion and erosion and can serve as a wear-resistant base layer 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.

- ▶ 0,2 kg ▶ 0,5 kg ▶ 2,0 kg
- 10350002 10350005 10350020





Epoxy Resin Systems

Plastic Metal

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.

- ▶ 250 ml ▶ 1 L
- 10604025 10604000

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.

- ▶ 150 g ▶ 500 g
- 10604515 10604500

Mould Release Agent

Silicone-free sliding and release agent. Prevents adhesion to plastics, moulds, metals and tools.

- ▶ 400 ml
- 11450400

PTFE-Spray

WEICON PTFE-Spray is a grease-free PTFEbased dry lubricant with excellent sliding properties.

- ▶ 400 ml
- 11300400

Silicone Spray

WEICON Silicone Spray is a sliding and release agent as well as a preservative and care product for plastic, rubber and metal.

- ▶ 400 ml
- 11350400



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

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)

Technical Data

WEICON Plastic Metal in non-cured condition

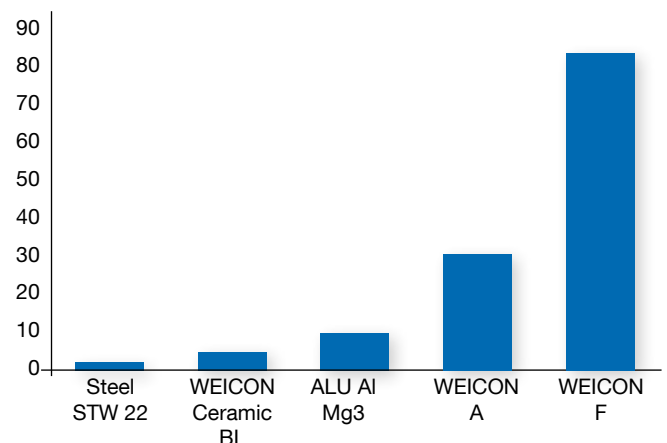
	Basis	Specific Properties	Complete Packaging Sizes	Mixing ratio (Weight %)		Pot life at 20°C/+68°F (min.)	Density of the mixture g/cm³	Viscosity of the mixture mPa.s	Max. layer thickness per application mm	Curing time in h	
				Resin	Hardener					Mechanical loads	Final hardness
WEICON A	steel-filled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

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

Technical Data

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)	Glass transition temperature			
	Compressive MPa (psi)	Tensile MPa (psi)	Flexural MPa (psi)	E-Modul MPa (KSI)	Shore hardn. D (ASTM D 1706)	Shrinkage %				Tg after curing at room temperature	Tg after tempering at 90 °C	Tg after tempering at 120 °C	Tg after tempering at 150 °C
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)	60,9 °C	-	78,0 °C	-
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)	56,5 °C	-	54,0 °C	-
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)	47,2 °C	-	46,2 °C	-
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)	61,1 °C	-	129,5 °C	-
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)	56,9 °C	-	67,9 °C	-
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)	51,5 °C	-	53,1 °C	-
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 +536)	57,1 °C	-	92,4 °C	-
WEICON Ceramic BL	120 (17.400)	22 (3.200)	80 (11.600)	8.000 - 8.500 (1.160 - 1.230)	93	0,020	+95 (+203)	blue	-35 to +180 (-31 to +356)	51,9 °C	-	69,2 °C	-
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 +500)	60,3 °C	-	144,0 °C	-
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)	40,7 °C	32,1 °C	-	-
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)	48,4 °C	-	94,2 °C	-
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)	64,2 °C	-	87,3 °C	-
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 +500)	52,0 °C	-	-	148,0 °C
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)	42,8 °C	-	36,4 °C	-
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)	63,6 °C	-	87,3 °C	-
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)	53,8 °C	-	70,1 °C	-
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)	53,5 °C	-	58,9 °C	-
WEICON Casting Resin MS 1000	60 (8.700)	57 (8.300)	28 (4.060)	2.800 - 3.000 (406 - 435)	65	0,200	+50 (+122)	transparent, slight inherent colour	-35 to +120 (-31 to +248)	50,0 °C	-	61,1 °C	-

Consumption (Plastic Metal)

	WEICON A	WEICON B	WEICON BR	WEICON C	WEICON F	WEICON F2	WEICON HB 300	WEICON Ceramic BL	WEICON Ceramic W	WEICON SF	WEICON ST	WEICON HP	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	1,80	1,59	1,70	1,64	1,40	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 to 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



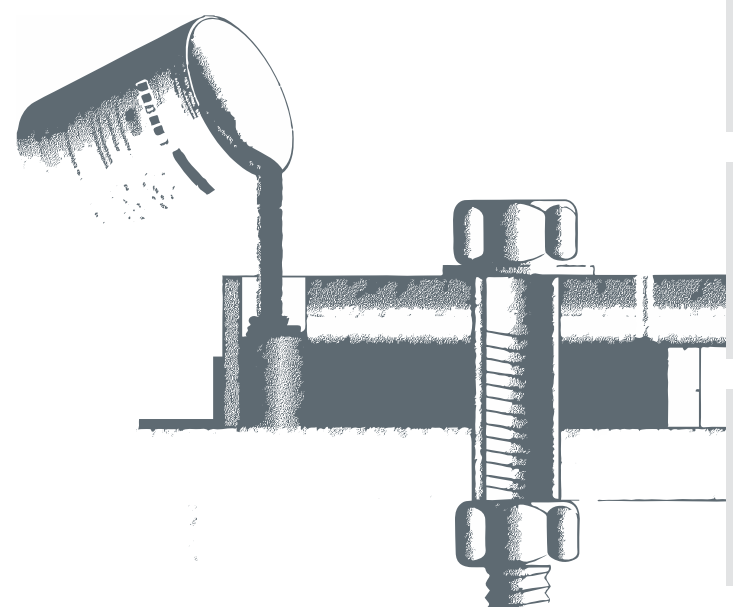
WEICON

European Exhibition Award
for creativity and innovation



Epoxy Resin Systems

WEICON CBC



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:	0,10 %	
Colour after curing:	grey	
Temperature resistance:	-40°C to +160°C	
Glass transition temperature	Tg after curing at room temperature	51,5 °C
	Tg after tempering at 120 °C	77,1 °C



Applications

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

WEICON Pipe Repair Kit

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

The Pipe Repair Kit can be processed without any additional tools and is used for the reliable and permanent sealing of cracks and leaks. It is very easy and quick to use and shows excellent adhesive properties, high pressure and chemical resistance as well as temperature resistance up to 150°C. Within 30 minutes, the tape is fully cured and hard-wearing.

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

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

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



- | | | |
|---|---|---|
| 5/15
▶ 5 cm x 1,5 m
10710001 | 5/35
▶ 5 cm x 3,5 m
10710002 | 10/35
▶ 10 cm x 3,5 m
10710003 |
|---|---|---|

The set includes

- Repair Stick Steel
- fibreglass-reinforced plastic repair tape
- assembly instructions
- protective gloves



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

Pipe Repair Kit

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.



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.



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



+ incl. transport documents (ATA, IMO, ADR)



Kit 2

▶ WEICON 10851002 ▶ IMPA 81 29 08 ▶ ISSA 75.541.00

		WEICON	IMPA	ISSA	Quantity				
WEICON A	▶ 0,5 kg	10000005	81 29 01	75.509.01	2	•			
WEICON HB 300	▶ 1,0 kg	10450010	81 29 51	75.509.21	1				
WEICON SF	▶ 0,5 kg	10250005	81 29 31	75.509.13	2	•			
WEICON UW	▶ 0,5 kg	10440005	81 29 35	75.509.24	2				
Repair Stick Aqua	▶ 115 g	10531115	81 29 24	75.530.03	3				
Repair Stick Steel	▶ 115 g	10533115	81 29 26	75.530.01	3				•
Pipe Repair Kit 5/15	▶ ---	10710001	---	---	2				
AN 302-43	▶ 50 ml	30243150	81 29 13	75.628.04	1	•	•		
AN 302-60	▶ 50 ml	30260150	81 52 05	75.628.32	1				
VA 8312	▶ 30 g	12200030	81 52 42	75.629.05	1				•
VM 120	▶ 30 g	12350030	---	---	1				
GMK 2410	▶ 700 g	16100700	81 52 38	---	1				
Black-Seal	▶ 200 ml	13051200	81 52 85	75.634.25	1				
Cleaner Spray S	▶ 500 ml	11202500	45 08 01	53.402.01	2				
W 44 T	▶ 400 ml	11251400	45 08 21	53.402.11	1				
Rust Shock	▶ 400 ml	11151400	45 08 22	53.402.10	1				
Starter-Spray	▶ 400 ml	11660400	---	---	1				
Contact Spray	▶ 400 ml	11152400	45 08 43	53.402.28	1				
Processing Kit	▶ ---	10851010	81 29 88	---	1				

Emergency Repair Kits

Kit 1

▶ WEICON 10851001 ▶ IMPA 81 29 07 ▶ ISSA 75.540.00

		WEICON	IMPA	ISSA	Quantity		
WEICON A	▶ 0,5 kg	10000005	81 29 01	75.509.01	2	•	
WEICON SF	▶ 0,5 kg	10250005	81 29 31	75.509.13	2	•	
WEICON UW	▶ 0,5 kg	10440005	81 29 35	75.509.24	2		
Repair Stick Aqua	▶ 115 g	10531115	81 29 24	75.530.03	2		
Repair Stick Steel	▶ 115 g	10533115	81 29 26	75.530.01	2		•
Pipe Repair Kit 5/15	▶ ---	10710001	---	---	1		
Processing Kit	▶ ---	10851010	81 29 88	---	1		

Processing Kit

▶ WEICON 10851010



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

Kit 3

▶ WEICON 10851003 ▶ IMPA 81 29 09 ▶ ISSA 75.542.00

		WEICON	IMPA	ISSA	Quantity								UL-tested
WEICON A	▶ 0,5 kg	10000005	81 29 01	75.509.01	2	•							
WEICON BR	▶ 0,5 kg	10420005	81 29 10	75.509.05	1								
WEICON HB 300	▶ 1,0 kg	10450010	81 29 51	75.509.21	1								
WEICON Ceramic BL	▶ 0,5 kg	10400005	81 29 39	75.509.19	1								
WEICON SF	▶ 0,5 kg	10250005	81 29 31	75.509.13	2	•							
WEICON UW	▶ 0,5 kg	10440005	81 29 35	75.509.24	2								
WEICON WR	▶ 0,5 kg	10300005	81 29 47	75.509.15	1								
Repair Stick Aqua	▶ 115 g	10531115	81 29 24	75.530.03	4								
Repair Stick Steel	▶ 115 g	10533115	81 29 26	75.530.01	4				•				
Pipe Repair Kit 5/15	▶ ---	10710001	---	---	3								
Urethane 80	▶ 0,5 kg	10518005	81 29 63	75.509.42	1								
AN 302-43	▶ 50 ml	30243150	81 29 13	75.628.04	1	•	•						
AN 302-60	▶ 50 ml	30260150	81 52 05	75.628.32	1								
AN 305-77	▶ 50 ml	30577150	81 52 14	75.628.13	1	•	•	•	•	•	•*		
AN 306-38	▶ 50 ml	30638150	81 52 23	75.628.19	1	•							
Thread Sealing Cord DF 175	▶ ---	30010175	---	75.628.40	1		•				•	•	•
Plast-o-Seal	▶ 90 g	30010175	81 52 31	75.628.41	1								
VA 8312	▶ 30 g	12200030	81 52 42	75.629.05	1			•					
VM 120	▶ 30 g	12350030	---	---	1								
GMK 2410	▶ 700 g	16100700	81 52 38	---	1								
Black-Seal	▶ 200 ml	13051200	81 52 85	75.634.25	1								
Cleaner Spray S	▶ 500 ml	11202500	45 08 01	53.402.01	2								
Sealant and Adhesive Remover	▶ 400 ml	11202400	45 08 02	53.402.02	1								
W 44 T®	▶ 400 ml	11251400	45 08 21	53.402.11	1								
Rust-Shock	▶ 400 ml	11151400	45 08 22	53.402.10	1								
Mould Release Agent	▶ 400 ml	11450400	---	---	1								
Starter-Spray	▶ 400 ml	11660400	---	---	1								
Contact Spray	▶ 400 ml	11152400	45 08 43	53.402.28	1								
AS 500	▶ 500 g	26000050	45 08 46	---	1								
Processing Kit	▶ ---	10851010	81 29 88	---	1								

*BAM tested and safety-related evaluated- according to leaflet M 031-1



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS

Other



The easy solution for all repair and maintenance work.

Cut

Knead

Use



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

Repair Stick Steel



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 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



Epoxy Resin Systems

Repair Sticks

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 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



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 ▶ 56 g
- 10532057 10532115



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 Stick Plastic

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 ▶ 115 g
- 10536057 10536115

Repair Stick Multi-Purpose



Fast-curing | mineral-filled | drinking water approval | 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 ▶ 115 g
- 10539057 10539115



Sealing of a copper tube
Repair Stick Copper

Repair Sticks

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 ▶ 115 g
- 10530057 10530115

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 ▶ 115 g
- 10537057 10537115

Repair Stick Aluminium

Non-rusting | fast cure | 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 ▶ 115 g
- 10534057 10534115

Type selection table

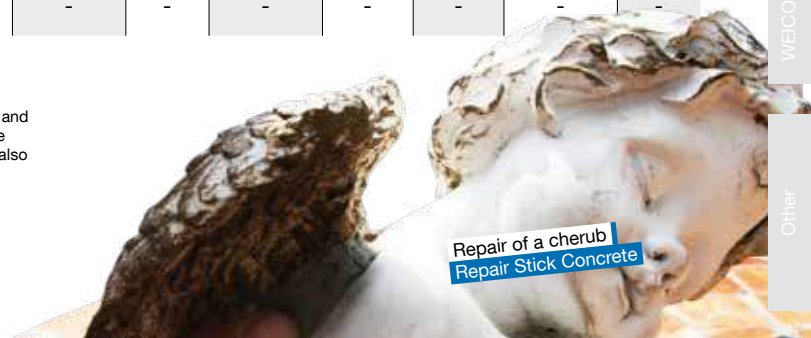
	Aluminium	Aqua	Concrete	Stainless Steel	Wood	Plastic	Copper	Steel	Titanium	Multi-Purpose
Metals (e.g. aluminium, cast iron, brass, stainless steel)	++	++	+	++	+	+	++	++	++	++
Hard plastics* (e.g. epoxy resin, rigid PVC)	+	++	+	+	+	++	+	+	+	++
Fibre-reinforced materials (e.g. GFRP, CFRP, fibreglass)	+	+	+	+	+	++	+	+	+	+
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.





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.

Adhesives / Sealants

Technical Sprays

Technical Liquids

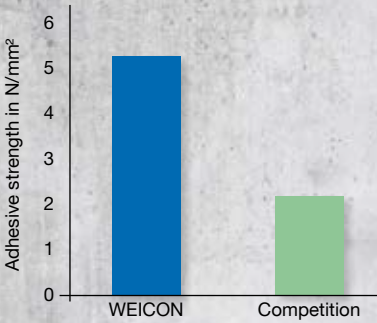
Assembly Pastes

Lubricants

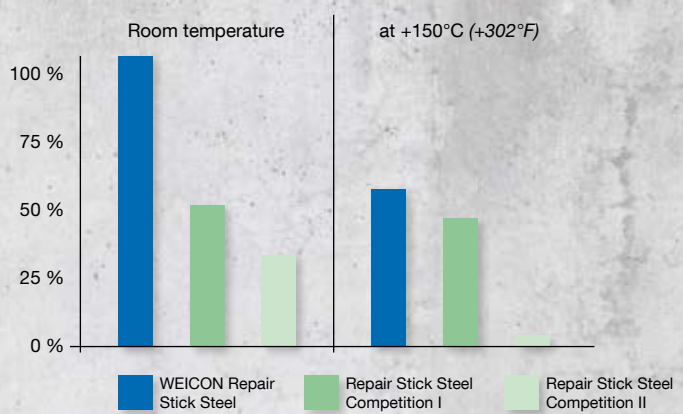
WEICON TOOLS®

Other

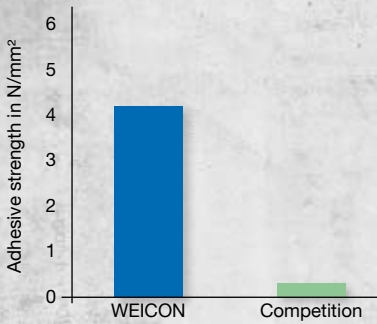
Adhesive strength of Repair Stick Steel



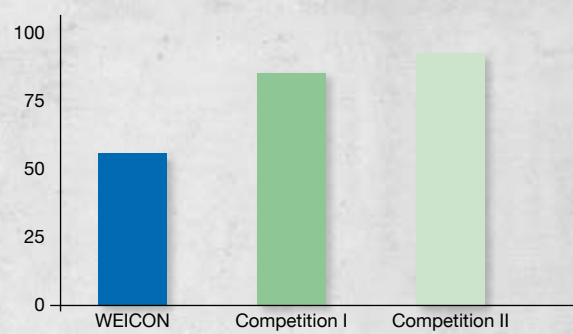
Tensile shear strength on steel



Adhesive strength of Repair Stick Aqua



Shore hardness D Repair Stick Plastic after completely hardening



Restoration of a picture frame
Repair Stick Wood

Demo
99950004



Repair Sticks

Technical Data

WEICON Repair-Sticks in non-cured condition											
		Aluminium	Aqua	Concrete	Stainless steel	Wood	Plastic	Copper	Steel	Titanium	Multi-Purpose
NSF	Certified to NSF/ANSI 61				✓		✓	✓	✓		✓
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	putty	putty	putty	putty	putty	putty	putty	putty	putty
Supplied in:		Stick	Stick	Stick	Stick	Stick	Stick	Stick	Stick	Stick	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	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	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 +65 (+43 to +149)
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	15 mm	15 mm	15 mm	15 mm	15 mm	15 mm	15 mm	15 mm	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 h	15 min.
	Capable of bearing mechanical loads (50% strength) after:	60 min.	60 min.	60 min.	60 min.	60 min.	3 h	60 min.	60 min.	4 h	60 min.
	Final strength (100% strength) after:	24 h	24 h	24 h	24 h	24 h	36 h	24 h	24 h	48 h (24 h at +65°C/+149°F)	24 h
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	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)
	Steel sandblasted										
Temperature resistance °C (°F):		-50 to +120, briefly +150 (-58 to +248, briefly +302)	-50 to +120, briefly +150 (-58 to +248, briefly +302)	-50 to +120, briefly +150 (-58 to +248, briefly +302)	-50 to +120, briefly +150 (-58 to +248, briefly +302)	-50 to +120, briefly +150 (-58 to +248, briefly +302)	-50 to +120, briefly +150 (-58 to +248, briefly +302)	-50 to +120, briefly +150 (-58 to +248, briefly +302)	-50 to +120, briefly +150 (-58 to +248, briefly +302)	-50 to +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%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%
Electrical resistance (ASTM D 257):		5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm	5 · 10 ¹¹ Ω/cm
Dielectric strength (ASTM D 149):		3,0 kV/mm	3,0 kV/mm	3,0 kV/mm	3,0 kV/mm	3,0 kV/mm	3,0 kV/mm	3,0 kV/mm	3,0 kV/mm	3,0 kV/mm	3,0 kV/mm
Thermal expansion coefficient (ISO 11359):		30-40 x 10 ⁻⁶ k ⁻¹	30-40 x 10 ⁻⁶ k ⁻¹	30-40 x 10 ⁻⁶ k ⁻¹	30-40 x 10 ⁻⁶ k ⁻¹	30-40 x 10 ⁻⁶ k ⁻¹	30-40 x 10 ⁻⁶ k ⁻¹	30-40 x 10 ⁻⁶ k ⁻¹	30-40 x 10 ⁻⁶ k ⁻¹	30-40 x 10 ⁻⁶ k ⁻¹	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

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.

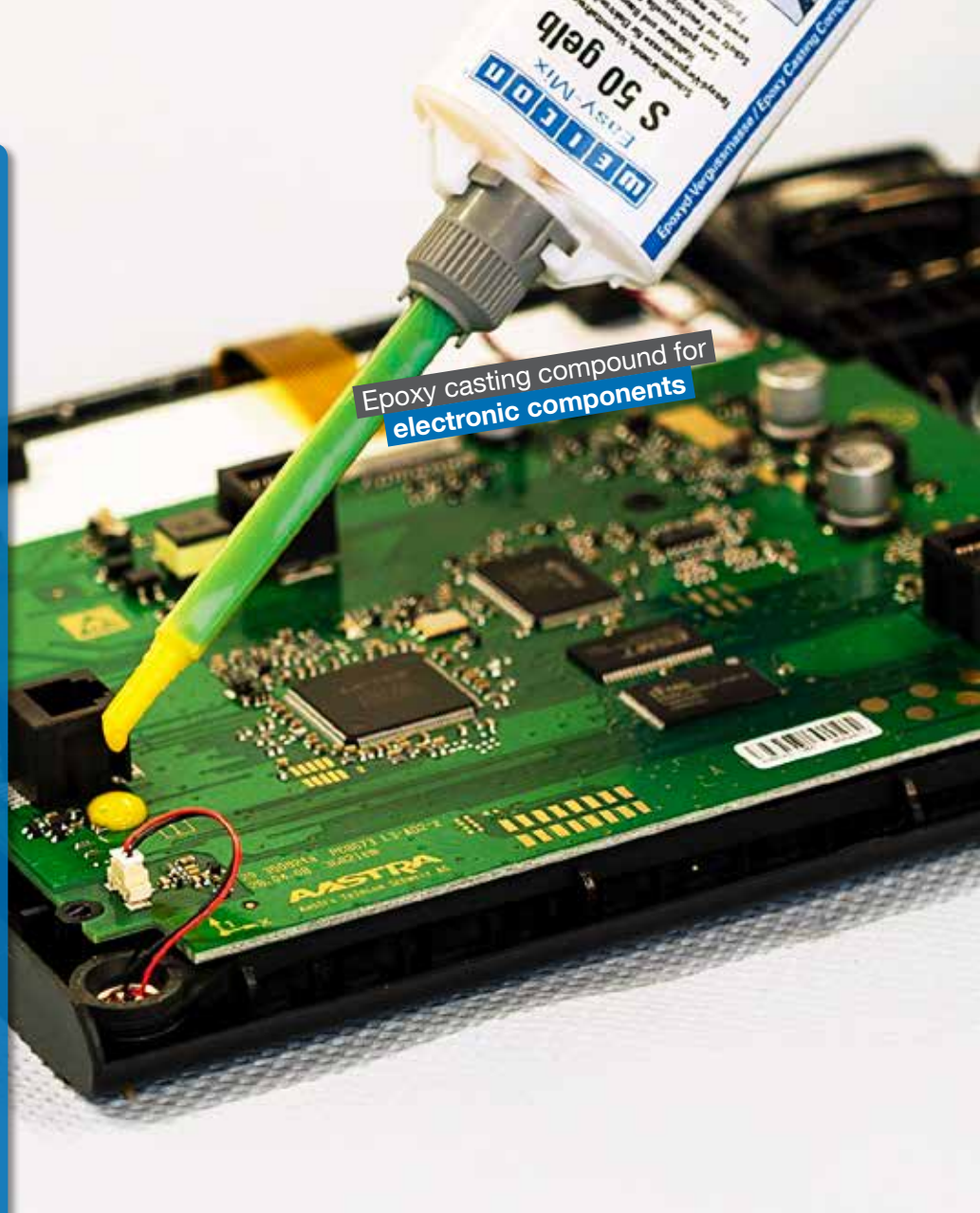
In particular in cases of innovative constructions and bonds between different materials such as e.g..

- ▶ metals
- ▶ hard plastics
- ▶ fibre-reinforced materials (GFK, CFK, 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.



Epoxy casting compound for electronic components



Can alternatively be processed with Quadro Mixing Nozzle (Art.-Nr. 10650005)

Epoxy Minute Adhesive

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

▶ 24 ml
10550024



Fast-Metal Minute Adhesive

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

▶ 24 ml
10551024



Aluminium Minute Adhesive **NEW**

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

▶ 24 ml
10552024

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

Epoxy Adhesives

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:

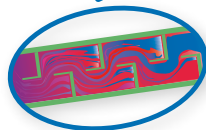
- ▶ ready for use
- ▶ dosing, mixing and application in just one working step
- ▶ tedious mixing by hand is no longer necessary, so no mixing and dosing mistakes are possible
- ▶ speedy in application
- ▶ faster cycle times in series production possible
- ▶ economical in use, as minimal material wastage



Hand Dispenser D50

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

10653050



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

Easy-Mix S 50

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

- ▶ 50 ml
10650050



Easy-Mix S 50 yellow **NEW**

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

- ▶ 50 ml
10651050

Easy-Mix N 50

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

- ▶ 50 ml
10650150

Easy-Mix N 5000

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

- ▶ 50 ml
10650250

The ideal adhesive for
POWDER-COATING



Easy-Mix HT 180

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

- ▶ 50 ml
10650850

Easy-Mix Metal

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

- ▶ 50 ml
10652050



Technical Data

WEICON Epoxy Adhesives in liquid condition										
	Easy-Mix S 50	Easy-Mix S 50 yellow	Easy-Mix N 50	Easy-Mix N 5000	Easy-Mix Metal	Easy-Mix HT 180	Epoxy Minute Adhesive	Aluminium Minute Adhesive	Fast Metal Minute Adhesive	
Basis:	Epoxy resin unfilled	Epoxy resin unfilled	Epoxy resin unfilled	Epoxy resin unfilled	Epoxy resin unfilled	Epoxy resin mineral-filled	Epoxy resin unfilled	Epoxy resin aluminium-filled	Epoxy resin high-filled	
Nature:	viscous	viscous	viscous	fluid	viscous	pasty, gap-filling	viscous	pasty, gap-filling	crack-filler	
Supplied in:	double cartridge	double cartridge	double cartridge	double cartridge	double cartridge	double cartridge	double syringe	double syringe	double syringe	
Content:	50 ml	50 ml	50 ml	50 ml	50 ml	50 ml	24 ml	24 ml	24 ml	
Mixing proportion by volume resin / hardener (automatically):	1 : 1	1 : 1	1 : 1	1 : 1	1 : 1	2 : 1	1 : 1	1 : 1	1 : 1	
Pot life with 10 ml material at +20°C (+68°F)	4 - 5	4 - 5	45	20	4 - 5	60	3 - 4	4 - 5	3 - 4	
Density of the mixture (g/cm ³):	1,15	1,20	1,07	1,07	1,80	1,10	1,15	1,23	1,80	
Viscosity of the mixture at +20°C (+68°F):	8.500 mPa·s (cP)	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)	125.000 mPa·s (cP)	300.000 mPa·s (cP)	
Temperature	Processing ^{*1} :	+10°C to +30°C (+50°F to +86°F)	+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)	+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	yellow	slightly yellowish, clear	almost colourless, glass clear	grey	black	transparent	aluminium	grey	
Gap covering power to max. ^{*2} :	2 mm	2 mm	2 mm	2 mm	4 mm	4 mm	2 mm	4 mm	4 mm	
Cure time at +20°C (+68°F)	Handling strength (35%) after:	30 minutes	30 minutes	120 minutes	60 minutes	40 minutes	120 minutes	30 minutes	25 minutes	
	Capable of bearing mechanical loads (50% strength) after:	1 hour	1 hour	24 hours	3 hours	2 hours	4 hours	1 hour	2 hours	
	Final strength (100%) after:	24 h	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 DIN 53281-83	Pressure MPa (psi):	9 (1.300)	9 (1.300)	2 (300)	10 (1.500)	10 (1.500)	52 (7.540)	9 (1.300)	8 (1.200)	10 (1.500)
	Tensile MPa (psi):	40 (5.800)	40 (5.800)	35 (5.100)	40 (5.800)	24 (3.500)	27 (3.910)	40 (5.800)	34 (5.000)	24 (3.500)
	Torsion MPa (psi):	58 (8.400)	58 (8.400)	50 (7.300)	50 (7.300)	58 (8.400)	46 (6.670)	58 (8.400)	58 (8.400)	58 (8.400)
	E-Modul MPa (ksi):	2.000 - 2.500 (300 - 400)	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)	4.000 - 4.500 (600 - 700)
	Shore hardness D:	65	65	55	65	70	80	65	45	70
Average tensile shear strength as per DIN 53283 on:	Steel, sand-blasted N/mm ² (psi):	20 (2.900)	20 (2.900)	17 (2.500)	21 (3.000)	20 (2.900)	23 (3.330)	20 (2.900)	20 (2.900)	20 (2.900)
	Aluminium, sand-blasted N/mm ² (psi):	19 (2.800)	19 (2.800)	16 (2.300)	19 (2.800)	19 (2.800)	13 (1.880)	19 (2.800)	19 (2.800)	19 (2.800)
	Rigid PVC, roughened N/mm ² (psi):	13 (1.900)	13 (1.900)	11 (1.600)	14 (2.000)	11 (1.600)	11 (1.600)	13 (1.900)	11 (1.600)	11 (1.600)
Temperature resistance:	-50°C to +80°C (-58°F to +176°F)	-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 +120°C (-58°F to +248°F) briefly to +150°C (+302°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 %	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 %	3 mm/m approx. 0,3 %	
Glass transition temperature	Tg after curing at room temperature	44,7°C	---	48,6 °C	52,4 °C	44,3°C	54,4°C	44,7°C	---	44,3°C
	Tg after tempering at 90 °C	46,1°C	---	---	---	32,5°C	---	46,1°C	---	32,5°C
	Tg after tempering at 120 °C	---	---	49,8 °C	54,2 °C	---	44,7°C	---	---	---

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

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

^{*3} After 20 hours at room temperature (+20°C/+68°F), temper for approx. 14 hours at +100°C (+212°F).

^{*4} Measured by a 900 mm x 75 mm x 10 mm mould after storage for 7 days at +20°C (+68°F).

Epoxy Adhesives

Type selection table

	Easy-Mix S 50	Easy-Mix S 50 yellow	Easy-Mix N 50	Easy-Mix N 5000	Easy-Mix Metal	Easy-Mix HT 180	Epoxy Minute Adhesive	Aluminium Minute Adhesive	Fast Metal Minute Adhesive
Metals (e.g. aluminium, cast iron, brass, stainless steel)	++	++	+	++	++	++	+	++	++
Hard plastics* (e.g. rigid PVC)	++	++	++	++	+	+	+	+	+
Fibre-reinforced materials (e.g. GFRP, 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, polyacetate, polytetrafluoroethylene and other fluorinated hydrocarbons with naturally adhesive-rejecting surfaces. When following the recommendations above, bonding of dissimilar material pairs such as metals and plastics is also possible.

Chemical resistance of Epoxy Resin Systems after curing*

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

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

The a.m. resistances are a short excerpt. Further chemical resistances are available upon request. *The storage of all WEICON Epoxy Adhesives was carried out at +20° C chemical temperature .



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



Repair of a shaft seal ring on a ship propulsion system
Urethane 80 Putty

Adhesives / Sealants

Technical Sprays

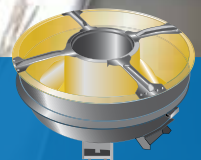
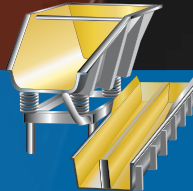
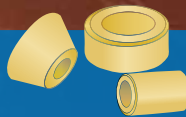
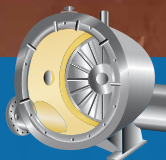
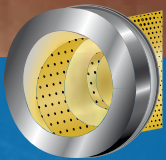
Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



For making:

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

For repairs on:

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

For coatings on:

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

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

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

▶ 250 ml
13550125

Primer S 300

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

▶ 250 ml
13550325

Urethane Colour Paste

Special colour paste on the basis of finely dispersed pigments

▶ 250 ml
10519250

Primer Applicator

For application of WEICON Primer

13955050

Polyurethane Systems

Urethanes

Pasty

Urethane 80 Putty

Shore hardness: A 80

► 500 g
10518505



Liquid

Urethane 45

Shore hardness: A 45

► 500 g
10514005

Urethane 60

Shore hardness: A 60

► 500 g
10516005

Urethane 80

Shore hardness: A 80

► 500 g
10518005

Urethane 90 SF **NEW**

Shore hardness: D 90

► 550 g
10519005



Adhesives / Sealants

Technical Sprays

Technical Data:

	WEICON Urethanes in non-cured condition					
	Urethane 45	Urethane 60	Urethane 80	Urethane 90 SF	Urethane 80 Putty	
Basis:	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	
Complete packaging sizes:	500 g	500 g	500 g	550 g	500 g	
Mixing ratio (weight %): Resin/Hardener	100 : 180	100 : 150	100 : 80	100 : 23	100 : 25	
Pot life at +20°C (68°F) min.:	25	25	25	8	20	
Density of the mixture (g/cm³):	1,04	1,04	1,00	1,60	1,28	
Viscosity at +25°C (77°F) Resin/Hardener (mPa.s):	5.000 / 500	5.000 / 520	5.000 / 190	5.500 / 200	2.000 / 40	
Mixture viscosity at +25°C (77°F) (mPa.s):	1.500	1.500	2.000	3.000	pasty	
Cure times at +20°C (68°F)	High mechanical load capacity / detachable after	12 - 20 hours	12 - 20 hours	12 - 20 hours	2 - 3 hours	12 - 20 hours
	Final strength (100%) after:	approx. 48* hours	approx. 48* hours	approx. 48* hours	approx. 24 hours	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	1	120	
Resistance to further tearing (kN/m):	7,5	10	15	-	15	
Shore hardness A:	A 45	A 60	A 80	D 90	A 80	
Colour after curing:	light-beige	light-beige	light-beige	brown	black	
Temperature resistance:	-60°C to +90°C (-76 to +194°F)					

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

* Preliminary tests required

** protect from UV-light

Consumption

Auftragsstärke (mm):	0,20*	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00
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
Urethane 90 SF	0,32	0,80	1,60	2,40	3,20	4,00	4,80	5,60	6,40

*Min. layer thickness

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Fast Reliable Strong adhesion



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

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

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

WEICON Easy-Mix PU-90/PU-240 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

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

▶ 50 ml

10751050

Easy-Mix PU-240

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

▶ 50 ml

10753050

Hand Dispenser D50

10653050

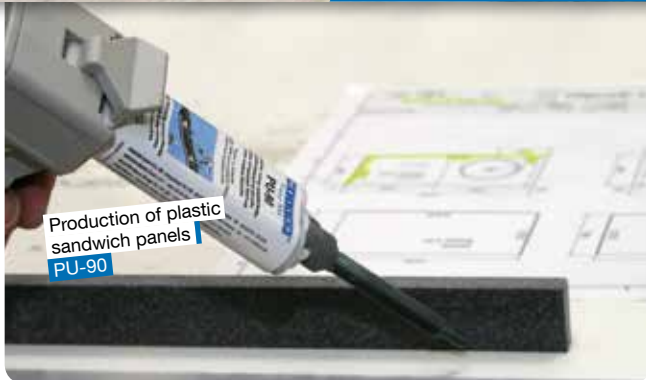
Quadro Mixing Nozzle

10650005



Polyurethane Systems

PU-90 PU-240



Chemical resistance of WEICON Polyurethane Systems after curing

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

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

Technical Data

	Easy-Mix PU-90	Easy-Mix PU-240
Basis	Polyurethane	Polyurethane
Mixing ratio Resin / Hardener	1 : 1	1 : 1
Colour after curing	black	black
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.	10 min.
Mechanical loads (50% strength) after	10 min.	30 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)
Glass transition temperature	Tg after curing at room temperature	45,6°C
	Tg after tempering at 120 °C	31,1°C
		30,9°C
		27,0°C

VIDEO



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

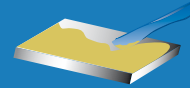
Other

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

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



Activator



Adhesive



Join together

High strength | impact-resistant



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

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

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

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

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

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

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

Structural Acrylic Adhesives

RK-1300
RK-1500

RK-1300

Pasty | strong | fast-curing

- ▶ 60 g¹ ▶ 330 g² ▶ 1,0 kg¹ ▶ 6,0 kg²
- 10560060 10560330 10560800 10561906

¹Complete package consisting of adhesive and activator
²without activator

RK-1500

Liquid | strong | fast-curing

- ▶ 60 g¹ ▶ 310 g² ▶ 1,0 kg¹ ▶ 6,0 kg²
- 10563860 10563330 10563800 10563906

¹Complete package consisting of adhesive and activator
²without activator



RK-Activator

- ▶ 100 ml ▶ 1 L
- 10562100 10562901

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°C (-67 to +257°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



Easy-Mix RK-7300

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

▶ 50 g
10569050

The ideal adhesive for **low energy plastics**



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-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

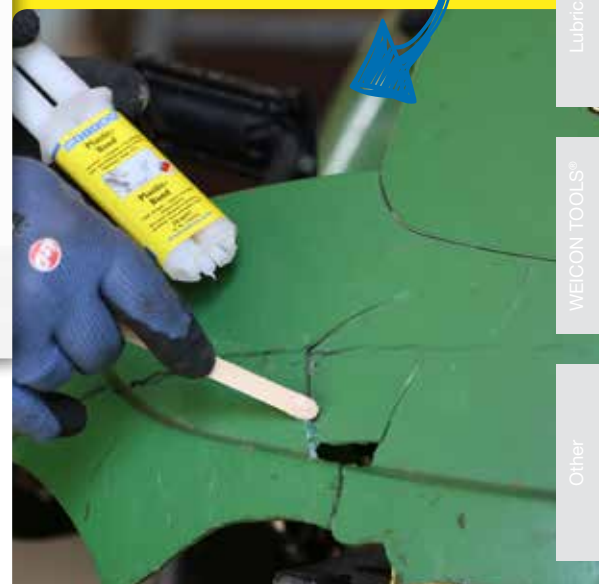
Excellent adhesion to plastics | high strength | shock- and impact-resistant

► 24 ml
10565024

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



Our DIY TIP



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.

and many others.

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
- ▶ ageing-resistant
- ▶ chemical-resistant
- ▶ controlled bonding gap of min. 0,15 - 0,20 mm through special additives (glass beads)
- ▶ pasty, stable



Complex series of tests at English university



A research team at the University of Northumbria in Newcastle, England, has conducted extensive experiments with various adhesives – also a WEICON product was among the tested.



In test series in which tensile and impact energies were brought to the bonding, WEICON Easy-Mix PE-PP 45 scored the best results and could be clearly distinguished from all competitive products.

It was clearly shown that certain adhesives could be an economical and technical alternative to the currently usual electrofusion welding process and should be considered when planning processing steps.



Easy-Mix PE-PP 45

- ▶ 38 ml
- ▶ 10660038
- ▶ yellowish, transparent

Hand Dispenser PE-PP

- ▶ 10663038

Mixing Nozzles PE-PP

- ▶ 10660002

Special Piston

- ▶ 10663110

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

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

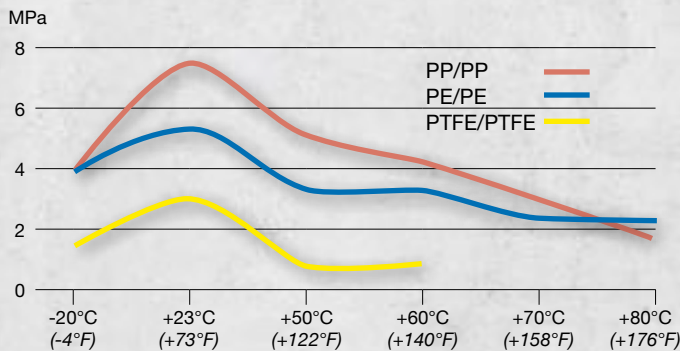


adhesive additive 150 - 200 µm

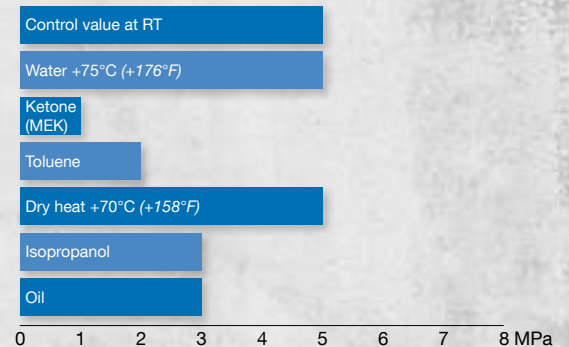
Structural Acrylic Adhesives

PE-PP 45

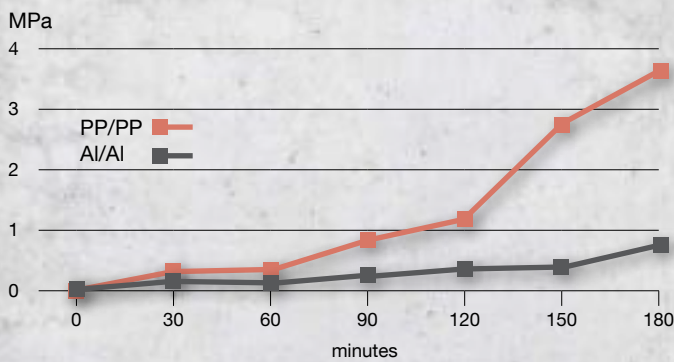
Tensile shear strength of WEICON Easy-Mix PE-PP 45 compliant with DIN 53283 in temperature curve



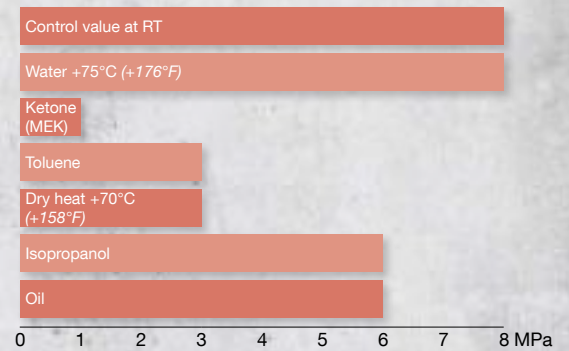
Ageing resistance of PE adhesive bonds after storage in various media (14 days at room temperature)



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



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



Specification of the test specimen:
 Standard: DIN 53283 Curing: 7 days at room temperature
 Adhesive surface: 12,5 mm x 25 mm Testing speed: 10 mm/min
 Adhesive thickness: 0,2 mm

Material	Abbreviation	Surface Tensio 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





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	1,1 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 - 6.000	170.000 - 200.000	45.000	40.000 - 60.000
Adhesive gap bridging	max. 0,40 mm (Activator application on one side*)		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
	max. 0,80 mm (Activator application on both sides**)							
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. 5 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)	19 N/mm ² (2.760 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)	22 N/mm ² (3.190 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)	4 N/mm ² (580 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 (polytetrafluorethylene)	-	-	-	-	-	2 N/mm ² (290 psi)	-	-
- EPDM (Shore A70)	-	-	-	-	-	1 N/mm ² (150 psi)	-	-
Glass transition temperature								
T _g after curing at room temperature	-	-	-39,8°C	-40,3°C	-17,5°C	51,5°C	46,3°C	-
T _g after tempering at 120 °C	-	-	-39,5°C	-38,5°C	-17,7°C	52,4°C	44,7°C	-

* This information is dependent on the type of materials to be bonded and their respective properties. In case of porous materials or passive surfaces, such as chrome, nickel, etc. the Activator should

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
Glyocol, 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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1-Component Adhesives and Sealants



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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

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

WEICONLOCK is suitable for all metals and certain plastics. It can be applied either manually or semi / fully 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 BG RCI

NSF

Certified to NSF/ANSI 61

NSF

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



Anaerobic Adhesives and Sealants



WEICONLOCK Activator F

Reduction of curing time

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

- ▶ 60 ml
30700060 Pen
- ▶ 200 ml
30700200 Spray
- ▶ 1.000 ml
30700501 Aluminium can



VIDEO



Dosing tip

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

- 30955172
Dosing tip Type L
Gr. 1



WEICON Pen-System



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



AN 302-43

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

AN 301-43



Certified to NSF/ANSI 61



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

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

▶ 20 ml 30143020 ▶ 50 ml 30143150 ▶ 200 ml 30143200



AN 301-70



Certified to NSF/ANSI 61

Threadlocking | classified as non-hazardous | drinking water approval

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

▶ 20 ml 30170020 ▶ 50 ml 30170150 ▶ 200 ml 30170200



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 ▶ 50 ml ▶ 200 ml
 30241020 30241150 30241200


AN 302-42
Threadlocking | drinking water approval

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

▶ 20 ml ▶ 50 ml ▶ 200 ml
 30242020 30242150 30242200


AN 302-43
Threadlocking | DVGW and drinking water approval

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

▶ 10 ml ▶ 20 ml ▶ 50 ml ▶ 200 ml
 30243110 30243020 30243150 30243200


AN 302-44
Threadlocking for passive materials* | DVGW and drinking water approval

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

▶ 20 ml ▶ 50 ml ▶ 200 ml
 30244020 30244150 30244200



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

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

AN 302-70



AN 302-50

Locking of threads and stud bolts

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



- ▶ 20 ml 30250020
- ▶ 50 ml 30250150
- ▶ 200 ml 30250200

AN 302-60

Threadlocking for passive materials*

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



- ▶ 20 ml 30260020
- ▶ 50 ml 30260150
- ▶ 200 ml 30260200

AN 302-62

Threadlocking

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



- ▶ 20 ml 30262020
- ▶ 50 ml 30262150
- ▶ 200 ml 30262200

AN 302-71

Locking of threads and stud bolts

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



- ▶ 20 ml 30271020
- ▶ 50 ml 30271150
- ▶ 200 ml 30271200

AN 302-70

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

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

- ▶ 10 ml 30270110
- ▶ 20 ml 30270020
- ▶ 50 ml 30270150
- ▶ 200 ml 30270200



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

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

Threadlocking



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

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

AN 302-72


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

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

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


AN 302-90

Threadlocking | for subsequent locking and sealing of hairline cracks

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

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


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*	8 - 12 Nm 5 - 8 Nm*	9 - 13 N/mm² (1.305 - 1.885 psi)	10 - 20 min. 20 - 40 min.*	1 - 3 h 4 - 8 h*	-60 to +200°C (-76 to +392°F)
AN 302-50	transparent	M 20 R 3/4"	500 mPa·s	0,15 mm	30 - 35 Nm	55 - 70 Nm	25 - 35 N/mm² (3.625 - 5.075 psi)	2 - 5 min.	2 - 4 h	-60 to +175°C (-76 to +347°F)
AN 302-60	green	M 20 R 3/4"	700 - 1.000 mPa·s	0,15 mm	30 - 35 Nm 15 - 20 Nm*	55 - 70 Nm 30 - 35 Nm*	25 - 35 N/mm² (3.625 - 5.075 psi)	2 - 5 min. 5 - 10 min.*	2 - 4 h 6 - 12 h*	-60 to +180°C (-76 to +356°F)
AN 302-62	red	M 36	1.500 - 6.500 mPa·s	0,25 mm	20 - 25 Nm	40 - 55 Nm	10 - 15 N/mm² (1.450 - 2.175 psi)	10 - 20 min.	3 - 6 h	-60 to +150°C (-76 to +302°F)
AN 302-70	green	M 20 R 3/4"	500 mPa·s	0,15 mm	28 - 35 Nm	50 - 65 Nm	15 - 20 N/mm² (2.175 - 2.900 psi)	10 - 20 min.	3 - 6 h	-60 to +200°C (-76 to +392°F)
AN 302-71	red	M 20 R 3/4"	500 mPa·s	0,15 mm	28 - 35 Nm	50 - 65 Nm	15 - 20 N/mm² (2.175 - 2.900 psi)	10 - 20 min.	3 - 6 h	-60 to +150°C (-76 to +302°F)
AN 302-72	red	M 56 R 2"	6.000 - 15.000 mPa·s	0,30 mm	20 - 30 Nm	40 - 75 Nm	10 - 15 N/mm² (1.450 - 2.175 psi)	20 - 40 min.	5 - 10 h	-60 to +230°C (-76 to +446°F)
AN 302-90	green	M 5 capillary	10 - 20 mPa·s	0,07 mm	15 - 25 Nm	30 - 40 Nm	8 - 12 N/mm² (1.160 - 1.740 psi)	5 - 20 min.	approx. 3 h	-60 to +150°C (-76 to +302°F)

* Strength measured on V4A stainless steel screws



AN 301-65



AN 301-65



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

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

▶ 50 ml 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*

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

▶ 50 ml 30275150 ▶ 200 ml 30275200



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



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

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

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

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

WEICONLOCK® Pipe and Thread Sealing



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



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



SI 303-31 NEW



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

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

▶ 85 ml
30331085
Tube

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



Technical Data

Colour	For threaded joints up to	Gap filling capacity max.	Breakaway strength Nm (Thread)	Prevailing strength Nm (Thread)	Shear strength N/mm² (DIN 54452)	Handling strength at room temperature	Final strength at room temperature	Temperature resistance
white	M 80 R 3"	0,50 mm	< 1,5	< 0,5	< 1	24 h	3 days	-40 to +180°C

AN 305-86



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

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

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*

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

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



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

WEICONLOCK® Pipe and Thread Sealing



Display
WEICONLOCK® 50 ml
30951191

AN 305-78



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

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

▶ 50 ml ▶ 200 ml
30578150 30578200



AN 305-86

Pipe sealing | extra strong

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

▶ 20 ml ▶ 50 ml ▶ 200 ml
30586020 30586150 30586200



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 +150°C (-76 to +302°F)



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



Retaining Cylindrical Assemblies

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



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*

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

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



Display WEICONLOCK® 20 ml

12951091



AN 306-30

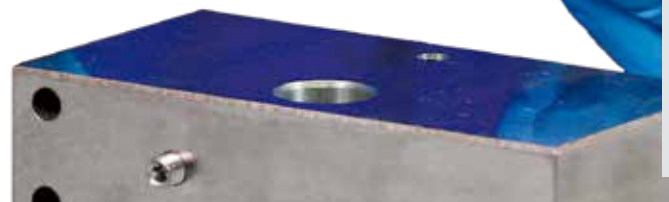
Retaining cylindrical assemblies for passive materials** | BAM*

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

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



VIDEO



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

** Passive materials: (slow curing)

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

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



Display
WEICONLOCK® PEN
50,5 cm x 221cm
30951080



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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 ▶ 20 ml ▶ 50 ml ▶ 200 ml
- 30638110 30638020 30638150 30638200



AN 306-40

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

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

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



AN 306-41

Retaining cylindrical assemblies for bearings, shafts and bushings

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

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



Retaining Cylindrical Assemblies


AN 306-60

Assembly of cylindrical parts for worn out bearing rings and bushings

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

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


AN 306-48


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

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

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


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.	approx. 24 h	-60 to +200°C (-76 to +392°F)
AN 306-30	green	M 36	3.000 - 6.000 mPa·s	0,20 mm	35 - 45 Nm	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.	approx. 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)

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



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 | high-temperature-resistant | BAM*

- ▶ 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



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

Flange Sealing and Gasketing

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

AN 305-72



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

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

- ▶ 50 ml 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



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/mm ² (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/mm ² (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/mm ² (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/mm ² (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/mm ² (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/mm ² (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/mm ² (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/mm ² (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/mm ² (725 - 1.450 psi)	15 - 30 min.	approx. 12 h	-60 to +180°C (-76 to +356°F)

Type-No.	Application	Features	Colour	For threaded joints up to	Viscosity in mPa.s at +25°C (67°F) Brookfield	Gap filling capacity in mm max.	Breakaway strength N/m (Thread ¹)	Prevailing strength N/m (Thread ¹)	Shear strength** N/mm ² (DIN 54442)	Handling strength at room temp. (minute)	Final strength at room temperature (hours)	Temperature resistance
AN 301-43 NSF	Threadlocking, drinking water and DVGW ² approval	medium strength higher viscosity	blue	M 36	2.000 - 8.000 mt	0,25	18 - 22	9 - 11	10 - 13 (1.450 - 1.885 psi)	5 - 15	1 - 3	-60°C to +150°C (-76°F to +302°F)
AN 301-70 NSF	Threadlocking, drinking water approval	high strength medium viscosity	green	M 25	500 - 900 nt	0,15	25 - 35	40 - 50	14 - 20 (2.030 - 2.900 psi)	5 - 15	5 - 10	-60°C to +150°C (-76°F to +302°F)
AN 302-21	Threadlocking	low strength low viscosity	violet	M 12	125	0,10	7 - 10	3 - 6	4 - 7 (580 - 1.015 psi)	10 - 20	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-22	Threadlocking	low strength medium viscosity	purple	M 36	1.000 mt	0,20	4 - 8	2 - 4	3 - 5 (435 - 725 psi)	10 - 20	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-40	Threadlocking, DVGW ² approval	medium strength medium viscosity	transparent	M 20 R ¾"	600 nt	0,15	12 - 16	18 - 24	8 - 12 (1.160 - 1.740 psi)	10 - 20	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-41	Threadlocking	medium strength low viscosity	blue	M 12	125 nt	0,10	10 - 15	12 - 16	8 - 12 (1.160 - 1.740 psi)	10 - 20	approx. 3	-60°C to +150°C (-76°F to +302°F)
AN 302-42	Threadlocking, drinking water approval	medium strength medium viscosity	blue	M 36	1.000 mt	0,20	14 - 18	5 - 8	8 - 12 (1.160 - 1.740 psi)	10 - 20	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-43	Threadlocking, drinking water and DVGW ² approval	medium strength higher viscosity	blue	M 36	2.000 - 7.000 mt	0,25	17 - 22	8 - 12	9 - 13 (1.305 - 1.885 psi)	10 - 20	1 - 3	-60°C to +200°C (-76°F to +392°F)
AN 302-44	Threadlocking for passive materials, drinking water and DVGW ² approval	medium strength higher viscosity	blue	M 36	3.000 - 8.000 mt	0,25	17 - 22	8 - 12	9 - 13 (1.305 - 1.885 psi)	10 - 20	1 - 3	-60°C to +200°C (-76°F to +392°F)
							8 - 12 ²	5 - 8 ²		20 - 40 ²	4 - 8 ²	
AN 302-50	Threadlocking	high strength medium viscosity	transparent	M 20 R ¾"	500 nt	0,15	30 - 35	55 - 70	25 - 35 (3.625 - 5.075 psi)	2 - 5	2 - 4	-60°C to +175°C (-76°F to +347°F)
AN 302-60	Threadlocking for passive materials	high strength medium viscosity	green	M 20 R ¾"	700 - 1.000 nt	0,15	30 - 35	55 - 70	25 - 35 (3.625 - 5.075 psi)	2 - 5	2 - 4	-60°C to +200°C (-76°F to +392°F)
							15 - 20 ²	30 - 35 ²		5 - 10 ²	6 - 12 ²	
AN 302-62	Threadlocking	strong higher viscosity	red	M 36	1.500 - 6.500 mt	0,25	20 - 25	40 - 55	10 - 15 (1.450 - 2.175 psi)	10 - 20	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-70	Locking of threads and stud bolts, drinking water and DVGW ² approval	high strength medium viscosity	green	M 20 R ¾"	500 nt	0,15	28 - 35	50 - 65	15 - 20 (2.175 - 2.900 psi)	10 - 20	3 - 6	-60°C to +200°C (-76°F to +392°F)
AN 302-71	Locking of threads and stud bolts	high strength medium viscosity	red	M 20 R ¾"	500 nt	0,15	28 - 35	50 - 65	15 - 20 (2.175 - 2.900 psi)	10 - 20	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-72	Locking of threads and stud bolts, drinking water and DVGW ² approval	high strength higher viscosity	red	M 56 R 2"	6.000 - 15.000 mt	0,30	20 - 30	40 - 75	10 - 15 (1.450 - 2.175 psi)	20 - 40	5 - 10	-60°C to +230°C (-76°F to +446°F)
AN 302-90	Threadlocking for locking after assembly	high strength extremely low viscosity	green	M 5 kapillar	10 - 20	0,07	15 - 25	30 - 40	8 - 12 (1.160 - 1.740 psi)	5 - 20	approx. 3	-60°C to +150°C (-76°F to +302°F)

AN 301-65 NSF	Pipe and flange sealing (with PTFE), drinking water approval	medium strength, high viscosity	white	M 80 R 3"	180.000 - 300.000	0,50	4 - 8	1 - 3	2 - 6 (290 - 870 psi)	10 - 20	24	-60°C to +150°C (-76°F to +302°F)
AN 301-72 NSF	Pipe and flange sealing (with PTFE), drinking water and DVGW ² approval	medium strength, high viscosity	white	M 80 R 3"	15.000 - 60.000 ht	0,30	5 - 10	4 - 6	5 - 7 (725 - 1.015 psi)	15 - 30	6 - 12	-60°C to +200°C (-76°F to +392°F)
AN 302-25	Sealing of threaded pipes and fittings	low strength, high viscosity	brown	M 80 R 3"	6.000 - 30.000 mt	0,30	5 - 8	2 - 4	3 - 5 (435 - 725 psi)	15 - 30	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-45	Sealing of threaded pipes and fittings, DVGW ² -approval	medium strength, high viscosity	blue	M 80 R 3"	6.000 - 30.000 mt	0,30	10 - 15	12 - 18	8 - 12 (1.160 - 1.740 psi)	15 - 30	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-75	Sealing of threaded pipes and fittings, BAM ³	high strength, high viscosity	green	M 80 R 3"	14.000 - 24.000 mt	0,30	40 - 50	40 - 50	15 - 25 (2.175 - 3.625 psi)	15 - 30	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 302-77	Sealing of threaded pipes and fittings	high strength, higher viscosity	red	M 36	6.000	0,25	30 - 40	10 - 15	35 - 45 (5.075 - 6.525 psi)	40 - 60	6 - 12	-60°C to +150°C (-76°F to +302°F)
AN 302-80	Sealing of threaded pipes and fittings for passive materials	high strength, higher viscosity	green	M 36	3.000 - 6.000 mt	0,20	35 - 45	50 - 70	20 - 30 (2.900 - 4.350 psi)	2 - 5	2 - 4	-60°C to +200°C (-76°F to +392°F)
							15 - 20 ²	25 - 35 ²		5 - 10 ²	6 - 12 ²	
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	7 - 10	2 - 4	4 - 6 (580 - 870 psi)	20 - 40	5 - 10	-60°C to +150°C (-76°F to +302°F)
AN 305-42	Sealant for hydraulic and pneumatic systems, DVGW ² approval	medium strength, medium viscosity	brown	M 20 R ¾"	500 nt	0,15	12 - 15	18 - 22	8 - 12 (1.160 - 1.740 psi)	10 - 20	2 - 4	-60°C to +150°C (-76°F to +302°F)
AN 305-67	Pipe and flange sealing (with PTFE)	low strength, high viscosity	white	M 80 R 3"	170.000 - 410.000	0,60	3 - 5	2 - 4	6 - 8 (870 - 1.160 psi)	120 - 240	24 - 72	-50°C to +175°C (-58°F to +347°F)
AN 305-72	Pipe and flange sealing (with PTFE), drinking water, DVGW ² and AGA ⁴ approval	medium strength, high viscosity	white	M 80 R 3"	17.000 - 50.000 ht	0,40	7 - 10	2 - 4	4 - 6 (580 - 870 psi)	20 - 40	5 - 10	-60°C to +150°C (-76°F to +302°F)
AN 305-77 NSF	Sealing of threaded pipes and fittings, BAM 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	18 - 22	10 - 14	6 - 13 (870 - 1.885 psi)	15 - 30	1 - 3	-60°C to +150°C (-76°F to +302°F)
AN 305-78	Sealing of threaded pipes and fittings for passive materials, drinking water and DVGW ² approval	medium strength, high viscosity	yellow	M 80 R 3"	50.000 - 80.000 ht	0,50	18 - 22	10 - 14	6 - 13 (870 - 1.885 psi)	15 - 30	1 - 3	-60°C to +150°C (-76°F to +302°F)
							11 - 16 ²	4 - 7 ²		25 - 50 ²	4 - 8 ²	
AN 305-86	Pipe sealing (extra strong)	high strength, higher viscosity	red	M 56 R 2"	6.000 - 7.000 nt	0,30	15 - 30	25 - 45	10 - 20 (1.450 - 2.900 psi)	60 - 90	12 - 24	-60°C to +150°C (-76°F to +302°F)

Type-No.	Application	Features	Colour	For threaded joints up to	Viscosity in mPa.s at +25°C (+77°F) Brookfield	Gap filling capacity in mm max.	Breakaway strength N/m (Thread ¹)	Prevailing strength N/m (Thread ¹)	Shear strength** N/mm ² (DIN 54452)	Handling strength at room temp. (minute)	Final strength at room temperature (hours)	Temperature resistance
AN 301-38 NSF	Retaining cylindrical assemblies, drinking water approval	high strength, medium viscosity	green	M 36	2.000 - 3.000 mt	0,20	30 - 40	45 - 60	20 - 25 (2.900 - 3.625 psi)	approx. 5	2 - 4	-60°C to +150°C (-76°F to +302°F)
AN 301-48 NSF	Retaining cylindrical assemblies, drinking water and DVGW ² approval	high strength, medium viscosity	green	M 20 R ¾"	450 - 650 nt	0,15	25 - 30	40 - 55	25 - 30 (3.625 - 4.350 psi)	2 - 6	2 - 4	-60°C to +175°C (-76°F to +347°F)
AN 306-00	Retaining cylindrical assemblies	high strength, medium viscosity	transparent	M 20 R ¾"	500 nt	0,15	30 - 35	55 - 70	25 - 35 (3.625 - 5.075 psi)	2 - 5	2 - 4	-60°C to +175°C (-76°F to +347°F)
AN 306-01	Retaining cylindrical assemblies	high strength, low viscosity	green	M 12	125 nt	0,10	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	Retaining cylindrical assemblies	high strength, low viscosity	green	M 12	125 nt	0,10	25 - 30	50 - 60	15 - 18 (2.175 - 2.610 psi)	10 - 20	2 - 4	-60°C to +150°C (-76°F to +302°F)
AN 306-10	Retaining cylindrical assemblies for passive materials, drinking water approval	high strength, medium viscosity	green	M 20 R ¾"	700 - 1.000 nt	0,15	30 - 35 15 - 20 ²	55 - 70 30 - 35 ²	25 - 35 (3.625 - 5.075 psi)	2 - 5 5 - 10 ²	2 - 4 6 - 12 ²	-60°C to +200°C (-76°F to +392°F)
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	28 - 36	40 - 55	15 - 25 (2.175 - 3.625 psi)	20 - 40	approx. 24	-60°C to +200°C (-76°F to +392°F)
AN 306-30	Retaining cylindrical assemblies for passive materials, BAM ³	high strength, higher viscosity	green	M 36	3.000 - 6.000 mt	0,20	35 - 45 15 - 20 ²	50 - 70 25 - 35 ²	20 - 30 (2.900 - 4.350 psi)	2 - 5 5 - 10 ²	2 - 4 6 - 12 ²	-60°C to +200°C (-76°F to +392°F)
AN 306-38	Retaining cylindrical assemblies, drinking water approval	high strength, medium viscosity	green	M 36	2.500 mt	0,20	35 - 45	50 - 70	25 - 30 (3.625 - 4.350 psi)	approx. 5	1 - 3	-60°C to +150°C (-76°F to +302°F)
AN 306-40	Retaining cylindrical assemblies	high strength, medium viscosity	green	M 20	600 nt	0,15	20 - 30	30 - 40	15 - 30 (2.175 - 4.350 psi)	approx. 240	approx. 24	-60°C to +200°C (-76°F to +392°F)
AN 306-41	Retaining cylindrical assemblies	medium strength, medium viscosity	yellow	M 20	550 nt	0,12	12 - 15	17 - 22	8 - 12 (1.160 - 1.740 psi)	10 - 20	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 306-48	Retaining cylindrical assemblies, drinking water approval, BAM ³	high strength, medium viscosity	green	M 20	550 nt	0,15	30 - 35	55 - 70	25 - 35 (3.625 - 5.075 psi)	approx. 5	2 - 4	-60°C to +175°C (-76°F to +347°F)
AN 306-60	Assembly of cylindrical parts	high strength, high viscosity	silver	R 2"	150.000 - 900.000 ht	0,50	35 - 45	10 - 20	25 - 30 (3.625 - 4.350 psi)	15 - 30	3 - 6	-60°C to +150°C (-76°F to +302°F)
AN 301-65 NSF	Pipe and flange sealing (with PTFE), drinking water approval	medium strength, high viscosity	white	M 80 R 3"	180.000 - 300.000	0,50	4 - 8	1 - 3	2 - 6 (290 - 870 psi)	10 - 20	24	-60°C to +150°C (-76°F to +302°F)
AN 301-72 NSF	Pipe and flange sealing (with PTFE), drinking water and DVGW ² approval	medium strength, high viscosity	white	M 80 R 3"	15.000 - 60.000 ht	0,30	5 - 10	4 - 6	5 - 7 (725 - 1.015 psi)	15 - 30	6 - 12	-60°C to +200°C (-76°F to +392°F)
AN 305-10	Flange sealing, AGA ⁴ -approval, BAM ³	high strength, high viscosity	orange	---	70.000 - 300.000 ht	0,50	18 - 25	15 - 25	5 - 10 (725 - 1.450 psi)	15 - 30	6 - 12	-60°C to +200°C (-76°F to +392°F)
AN 305-18	Flange sealing	high strength, high viscosity	red	---	80.000 - 500.000 ht	0,50	12 - 18	18 - 24	8 - 13 (1.160 - 1.885 psi)	10 - 20	3 - 6	-60°C to +200°C (-76°F to +392°F)
AN 305-67	Pipe and flange sealing (with PTFE)	low strength, high viscosity	white	M 80 R 3"	170.000 - 410.000	0,60	3 - 5	2 - 4	6 - 8 (1.160 - 1.740 psi)	120 - 240	24 - 72	-50°C to +175°C (-58°F to +347°F)
AN 305-72	Pipe and flange sealing (with PTFE), drinking water, DVGW ² AGA ⁴ -approval	medium strength, high viscosity	white	M 80 R 3"	17.000 - 50.000 ht	0,40	7 - 10	2 - 4	4 - 6 (580 - 870 psi)	20 - 40	5 - 10	-60°C to +150°C (-76°F to +302°F)
AN 305-73	Flange sealing	low strength, high viscosity	light green	---	17.000 - 50.000 ht	0,30	6 - 10	2 - 5	4 - 6 (580 - 870 psi)	20 - 40	approx. 12	-60°C to +150°C (-76°F to +302°F)
AN 305-74	Flange sealing	high strength, high viscosity	orange	---	30.000 - 100.000 ht	0,50	16 - 24	5 - 10	5 - 10 (725 - 1.450 psi)	15 - 30	approx. 12	-60°C to +180°C (-76°F to +356°F)

*Strength values based on M 10 screws, 8.8 grade, thickness of nut 0,8 d
²Strength measured on V4A stainless steel screws
³Static shear strength based on cylindrical parts of abt. Ø 13 mm, tolerance (D-d) = 0,05 mm, l/d = 0,88

² DVGW Certificate for use in gas supply and hot water systems
³ BAM tested and safety-related evaluated- according to leaflet M 031-1
⁴ "List of nonmetallic materials compatible with oxygen" (DGU information 213-078) of BG RCI
⁴ Australian Gas Association - Approval - Gas Class II 500 kPa

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

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

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





Chemical resistance of WEICONLOCK*

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

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

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

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

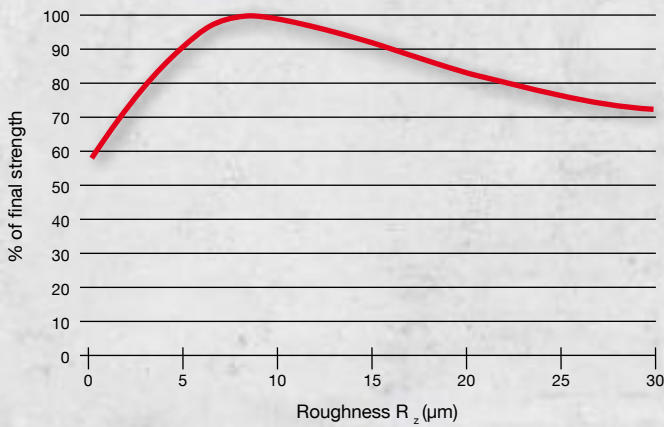
The a.m. resistances are a short excerpt.
Further chemical resistances are available upon request.

*Does not apply to SI 303-31

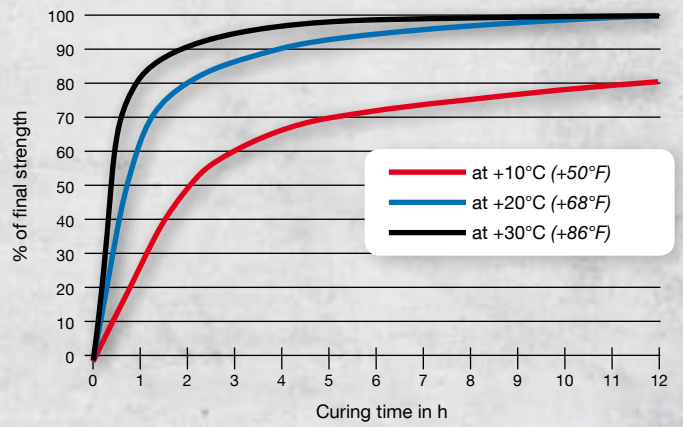
Adhesives / Sealants
 Technical Sprays
 Technical Liquids
 Assembly Pastes
 Lubricants
 WEICON TOOLS®
 Other

WEICONLOCK®

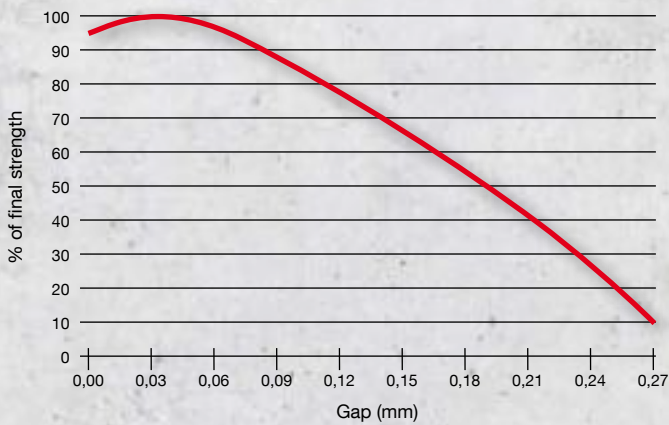
Strength of WEICONLOCK® dependent on the roughness



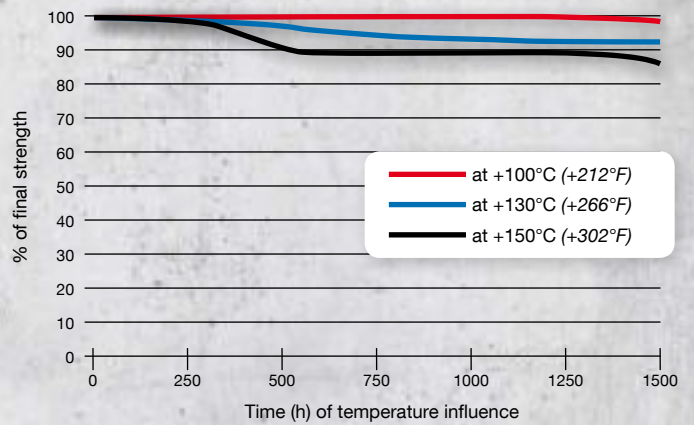
Curing speed of WEICONLOCK® dependent on the ambient temperature



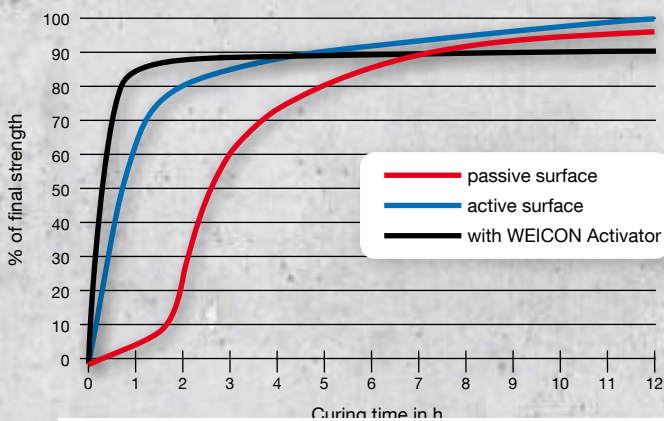
Strength of WEICONLOCK® dependent on the joint gap



Temperature long-term resistance WEICONLOCK® at increased temperatures



Curing speed with WEICON Activator F



Gasket Maker

Permanently elastic special sealant

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

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

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

- ▶ 310 ml ▶ 310 ml
- 30100310** **30101310**
- red black



Technical data

	WEICON Gasket Maker in non-cured condition	
	red	black
Basis:	One-component acetate	
Density (g/cm ³):	1,28	1,06
Viscosity:	pasty	
Stability/Run-off (ASTM D 2202) mm:	1	>1
Cure type:	by humidity	
Curing condition:	+5°C to +35°C (+41 to +95°F) and 30% to 95% rel. humidity	
Skin-over time (minutes):* ³	12	7
Cure speed:* ³	2-3 mm in the first 24 hours	
Volume change (DIN 52451) %:* ³	-1 %	-3 %
Gap filling up to max. mm:	5	
Gap width up to max. mm:	25	
Shelf life in months: +5°C to +25°C (+41 to +77°F)	12	
	WEICON Gasket Maker in cured condition	
Shore-Härte A (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°F bis +536°F) briefly up to (approx. 2 h) +300°C (+572°F)	
Paintable:	cannot be painted	
Building material category (DIN 4102):	B 2	

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

AN 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 ▶ 200 ml
- 30291150** **30291200**



Repairing a hairline crack in a welding seam AN 302-91

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



Plast-o-Seal®

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



Features and advantages:

- ▶ for sealing the smoothly treated flanges of machine, gearbox and motor casing flanges
- ▶ can be used on hot and cold surfaces
- ▶ to improve the performance of both old and new gaskets made from paper, cork, felt etc.
- ▶ solvent-free – odourless
- ▶ remains permanently plastic, before and after assembly
- ▶ easy joint dismantling
- ▶ economical in use
- ▶ very good resistance to most fuels, mineral oils, water, air, coolant mixtures based on methanol and glycol, antifreezes, kerosene, fluorocarbon refrigerants etc.

- ▶ max. gap filling capability up to 0,10 mm (without a gasket)
- ▶ non-sag, can be applied to vertical surfaces
- ▶ temperature-resistant from -50°C to +200°C (-58 to +392°F); briefly up to +250°C (+482°F)
- ▶ compensates for manufacturing defects such as scoring and scratches and enables accurate assembly
- ▶ allows accurate assembly and construction with low tolerances
- ▶ no need to overtighten fixings during assembly
- ▶ non-corrosive
- ▶ contains no substances that disturb lacquer wettings (e.g. silicone)
- ▶ fluorescent blue colour

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

Technical data

Colour	blue (fluorescent)
Specific weight at +20°C	1,15 g/cm ³
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 to +200°C (-58 to +392°F) briefly up to +250°C (+482°F)



100% PTFE

Thread Sealing Cord DF 175

plastic can 175 m
30010175



- ▶ 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

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



UL-tested



VIDEO



Thread Sealing Cord and Threadlocking Varnish

Threadlocking Varnish

Fast-drying | non-conductive | excellent media resistance

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

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

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

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



VIDEO



Technical Data

Colour	red (RAL 3000), yellow (RAL 1021), green (RAL 6010)
Degree of gloss	matt
Viscosity at +25°C (+77°F) acc. Brookfield	1.500 mPa·s
Processing temperature	+5°C to +120°C (+41°F to 248°F)
Dust dry after	5 minutes
Handling strength after	60 minutes
Final strength after	12 hours
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



Secure screw
red



▶ 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.

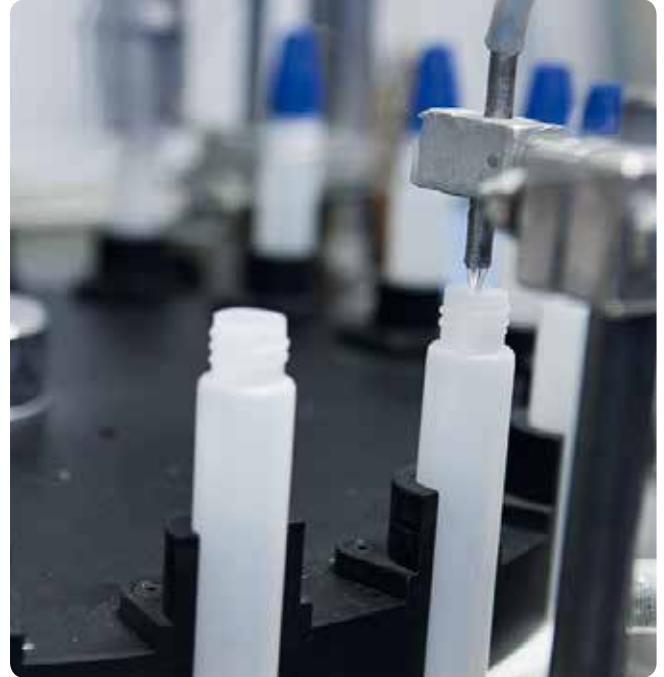
They will bond within seconds almost all materials to and among each other, such as:

metals	plastics
glass	ceramics
wood	leather
natural and synthetic rubber	

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

The resulting advantages are numerous:

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



Type Selection Table

	VA 20	VA 8312	VA 8406	VA 100	VA 110	VA 1401	VA 300	VA 1500	GEL	VA 200 HR	VA 180 HT	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 93 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 ▶ 30 g ▶ 60 g
- 12000012 12000030 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 ▶ 30 g
- 12200012 12200030

- ▶ 60 g ▶ 500 g
- 12200060 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 | ISEGA-certified | 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 ▶ 30 g ▶ 60 g
- 12204012 12204030 12204060
- ▶ 500 g
- 12204500

VA 100



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

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

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

- ▶ 3 g ▶ 12 g ▶ 30 g
- 12050001 12050012 12050030
- ▶ 60 g ▶ 500 g
- 12050060 12050500

VA 110



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

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

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

- ▶ 12 g ▶ 30 g ▶ 60 g
- 12052012 12052030 12052060
- ▶ 500 g
- 12052500



VIDEO



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 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

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

Contact GEL

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

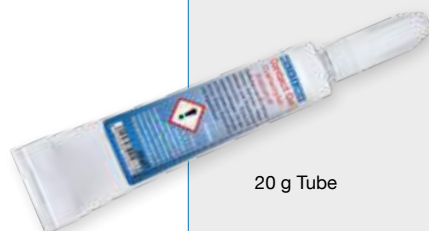
Contact Gel is pasty (highly thixotropic; 60000-90000 mPa•s) and hardens very slowly. By using WEICON Activator Spray, the curing time can be reduced.

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 180 HT **NEW**

Cyanoacrylate adhesive for special requirements | high-temperature-resistant | fast-curing | medium viscosity | odourless

WEICON Contact VA 180 HT is a transparent cyanoacrylate adhesive for special requirements. It is high-temperature-resistant up to +180°C, fast-curing and odourless, and has medium viscosity.

The cyanoacrylate adhesive is suitable especially for the fixation of components, which are exposed to strong temperature fluctuations, for example when close to a running engine.

WEICON Contact VA 180 HT can be used in various industrial applications, such as in lamp and lightning construction, in the production of kitchen and electronic devices, or in areas where high temperatures can occur and a quick solution is needed.

- ▶ 30 g ▶ 60 g
- 12750030 12750060



VA 200 HR **NEW**

Cyanoacrylate adhesive for special requirements | moisture-resistant | low viscosity

WEICON Contact VA 200 HR is a transparent cyanoacrylate adhesive with low viscosity. It shows high ageing resistance and consistently high strength, even under prolonged influence of moisture and warmth. After several days under constant influence of moisture and warmth, the cyanoacrylate adhesive shows the same high performance.

Due to this high moisture resistance, VA 200 HR is suitable especially for applications exposed to varying weather conditions. The cyanoacrylate adhesive can be used in pipe and pipeline construction, for example, in the construction of kitchen and electronic devices, in tank and apparatus construction, in ventilation and air-conditioning technology, in gardening and landscaping as well as in sanitary facilities.

It is suitable for various applications, such as the attachment of a control unit in a dish washer, for the production of sealings for concrete pipes, for mounting accessories in rooms with increased air humidity such as kitchens or bathrooms, for mounting components for outdoor sports such as rubber profiles to a snowboard, or for attaching armrests to outdoor furniture.

- ▶ 30 g ▶ 60 g
- 12755030 12755060



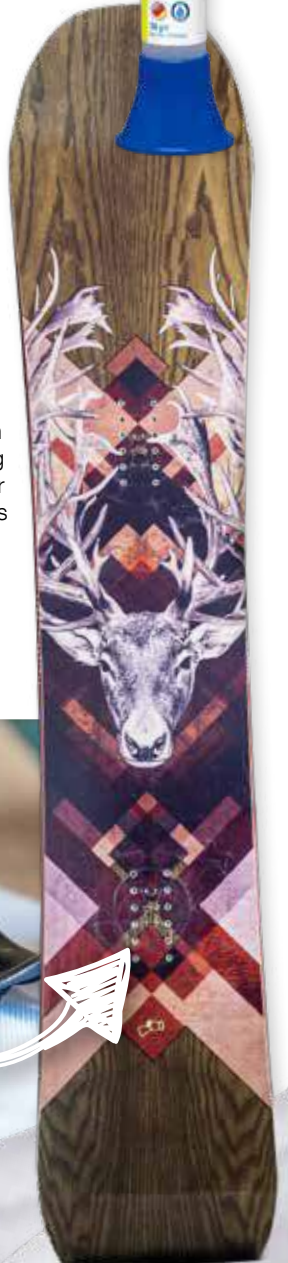
VA 2500 HT

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

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

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

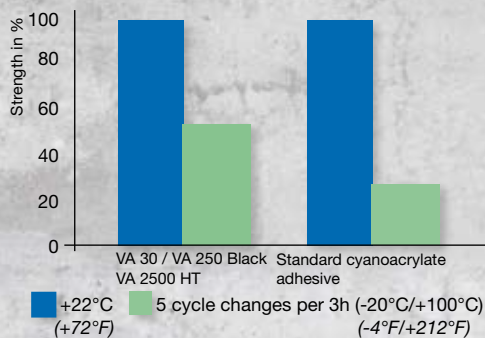
- ▶ 12 g ▶ 30 g ▶ 60 g ▶ 500 g
- 12550012 12550030 12550060 12550500



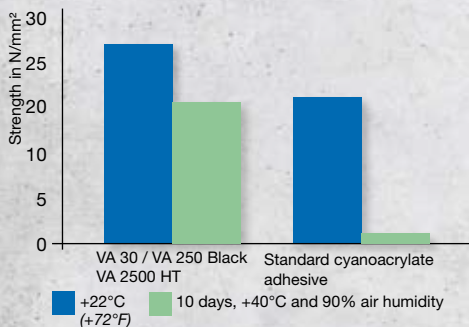
1-Component Adhesives and Sealants

Cyanoacrylate Adhesives

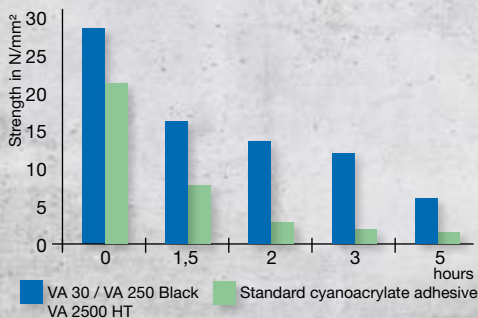
Temperature change load



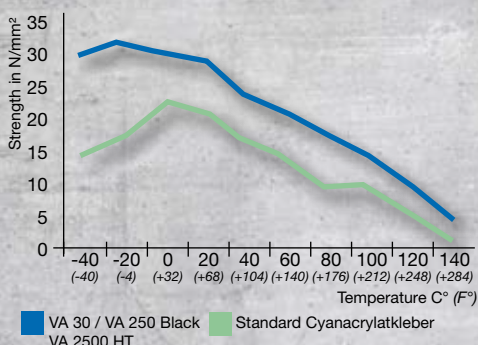
Humid climate resistance



Short-term ageing at +140°C (+284°F)



Strength dependent on temperature



VA 30 Black

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

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

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

- ▶ 12 g ▶ 30 g ▶ 60 g ▶ 500 g
- 12603012 12603030 12603060 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 ▶ 30 g ▶ 60 g ▶ 500 g
- 12600012 12600030 12600060 12600500





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 ▶ 60 g ▶ 500 g
- 12253030 12253060 12253500



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 ▶ 60 g ▶ 500 g
- 12250030 12250060 12250500



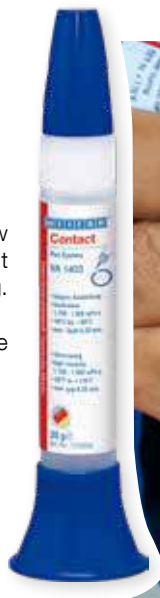
VA 1403

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 ▶ 60 g ▶ 500 g
- 12252030 12252060 12252500

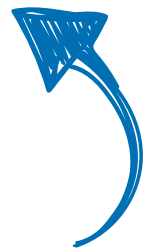


1-Component Adhesives and Sealants

Cyanoacrylate Adhesives



VIDEO



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

VM 20

Cyanoacrylate Adhesive for metals | low viscosity | very fast curing

WEICON Contact VM 20 has a low viscosity (20-40 mPa·s) and 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 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**

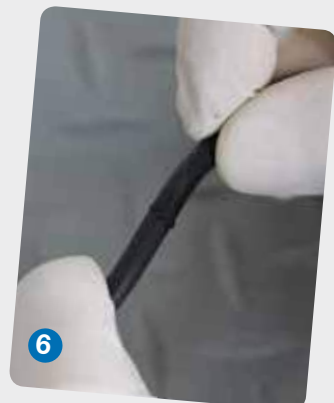
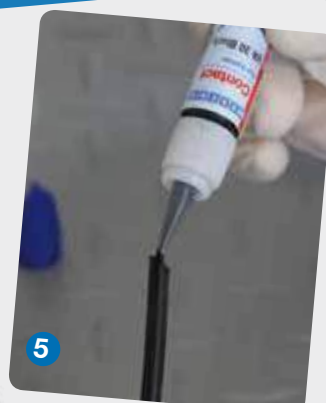
Cyanoacrylate Adhesive for metals | high viscosity | slow curing, allows realignment of parts

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





O-Ring Bonding Set

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

WEICON O-Ring Bonding Set consists of:

- 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

12508030

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



▶ 10 ml 12450010
▶ 100 ml 12450100



▶ 150 ml
12500150
CA-Activator
Spray



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



12955170
Dosing tip
size 0 type S

12955175
Dosing tip A
size 0,5

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.



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 nonabsorbent 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:

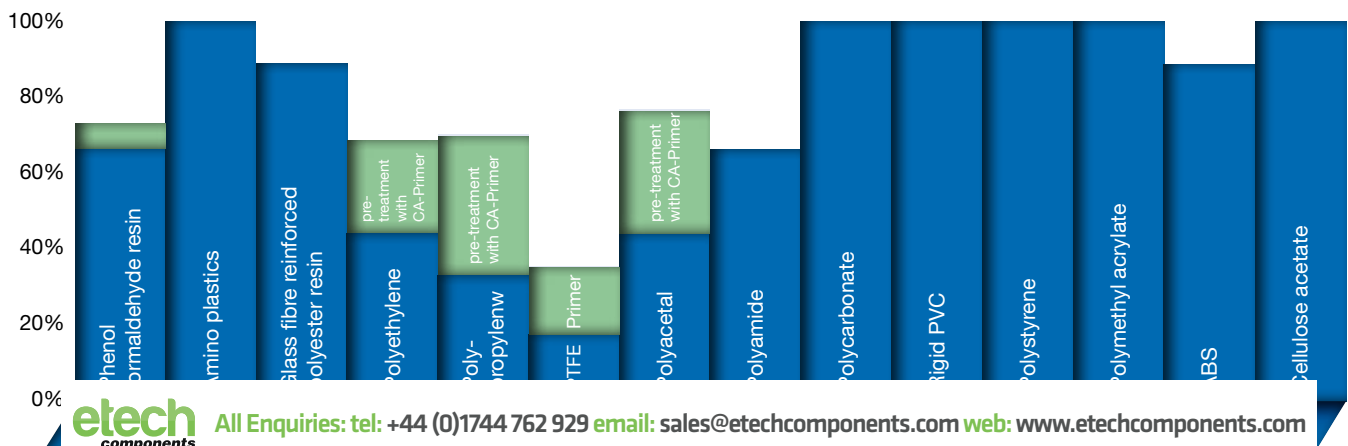
- ▶ highly viscous WEICON Contact types
- ▶ large thickness of the adhesive layer
- ▶ absorbent and porous surfaces
- ▶ passive materials (alkaline surfaces, like for example zinc coated metal parts).
- ▶ disadvantageous environmental conditions (low temperatures, too low air humidity < 30%)

Dosing tips

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



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 200 HR	VA 180 HT	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	by humidity	low odour, temperature-resistant	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	120-200	300-400	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	0,15	0,15	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	1,09	1,06	1,06	1,06	1,06	1,06	1,02	1,10	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	60-90	20-50	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	5-20	5-20	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	90-150	40-100	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	NSF Certified to NSF/ANSI B1 VA 110	VA 1401	VA 300	VA 1500	GEL	VA 200 HR	VA 180 HT	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)		20 (2.900)	14 (2.030)	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)		15 (2.175)	18 (2.600)	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)	13 (1.900)	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)		13 (1.900)	12 (1.750)	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)		10 (1.450)	9 (1.305)	13 (1.900)	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 up to +100°C/+212°F)				-50 to +120°C (-58 to +248°F) (briefly up to +150°C/302°F)	-50 to +80°C (-58 to +176°F) (briefly up to +100°C/+212°F)	-50 to +80°C (-58 to +176°F)	-55 to +180°C (-67 to +356°F)		-55 to +140°C (-67 to +284°F)		-50 to +80°C (-58 to +176°F) (briefly up to +100°C/+212°F)										
Squatting temperature		+150°C (302°F)				+170°C (+338°F)	+150°C (302°F)	+150°C (302°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-1K-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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Flex 310 M [®] Classic	99
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Flex 310 M [®] Stainless-Steel	100
Flex 310 M [®] Super-Tack	100
Flex 310 M [®] Liquid	100
Flex 310 M [®] HT 200	101
Flex 310 M [®] 2 K	101
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Silicone F	110
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WEICON Mounting Tape

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Contact Adhesives

GMK 2410/2510	120-121
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Elastic Adhesives and Sealants



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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-on-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 | ISEGA-certified

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

The product has an ISEGA certificate and can be used as an adhesive in food technology. Flex 310 M Classic is an elastic adhesive on MS polymer basis and is suitable for the bonding of metals, many plastics, ceramic, wood, glass and stone.

WEICON Flex 310 M Classic can be used in metal construction, tank and apparatus engineering, carriage, vehicle and container construction, ventilation and air conditioning systems, in the electrical industry, yacht and boat construction and in all applications where silicones or products containing silicones are not suitable.

- ▶ 310 ml ▶ 310 ml ▶ 310 ml
- 13303310 13305310 13304310
- white grey black



Flex 310 M® Crystal



Crystal-clear curing | ISEGA-certified

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

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

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

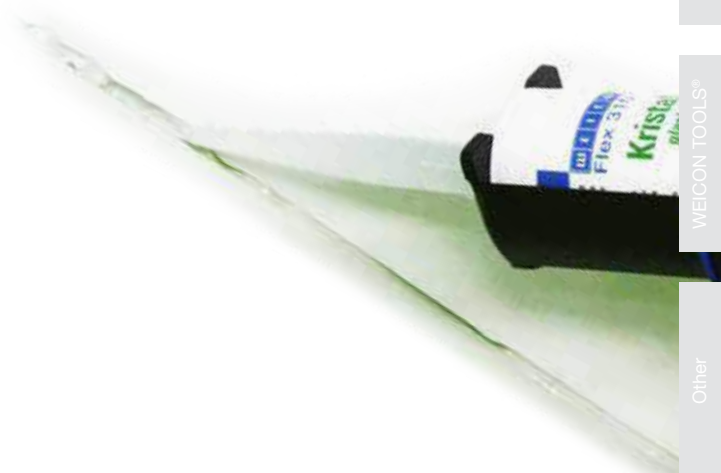
Flex 310 M Crystal can be used in plastic processing, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, the electrical and lighting industry, in exhibition stand construction and shopfitting and in all applications where silicones or products containing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

*1 = Only tension-free bonding

- ▶ 310 ml
- 13308310



VIDEO





**Flex 310 M®
Stainless-Steel**



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

WEICON Flex 310 M Stainless-Steel Adhesive and Sealant is non-corrosive, strong, paintable (wet-on-wet), sandable, resistant to ageing and UV rays and is free of silicone, isocyanate, halogens or solvents.

WEICON Flex 310 M Stainless-Steel is an elastic adhesive on MS polymer basis and is suitable for bonding and sealing of seams and joints on metals such as stainless steel, aluminium and non-ferrous metals. Flex 310 M Stainless-Steel can also be used in all application fields where the colour of the adhesive and sealant must match the surface material (e. g. stainless steel, aluminium, etc.).

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

- ▶ 310 ml
13656310
Stainless-Steel

Flex 310 M® Super-Tack

High initial strength

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

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

- ▶ 290 ml
13650290
white
- ▶ 290 ml
13652290
grey



VIDEO



Flex 310 M® Liquid



Liquid | self-levelling | ISEGA-certified

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

He is permanently elastic and paintable (wet-on-wet). 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



Elastic Adhesives and Sealants

MS-Polymers

Flex 310 M® HT 200

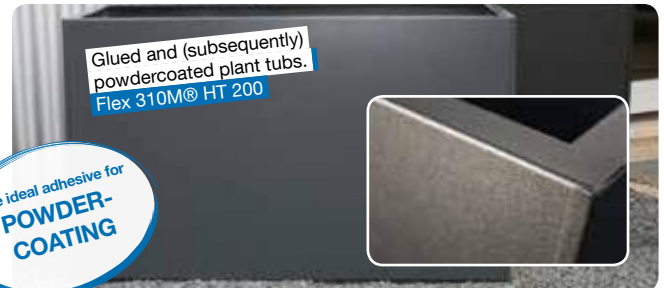
High-temperature-resistant

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



The ideal adhesive for
POWDER-COATING



Flex 310 M® 2 K

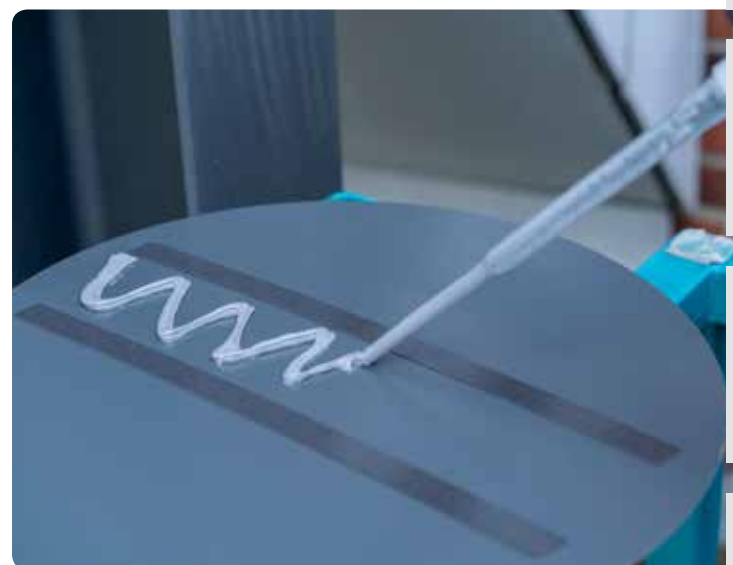
Fast-curing

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 | strong | ISEGA-certified

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, paintable (wet-on-wet), sandable, and resistant to ageing and salt water. It is free of silicone, isocyanate, halogens and solvents.

WEICON Flex+bond has an ISEGA certificate and can be used as an adhesive in foodstuff technology.

WEICON Flex+bond can be used to bond nearly all materials, such as metal, wood, plastic, glass, and ceramics.

Tube

- ▶ 85 ml
13350085
white
- ▶ 85 ml
13352085
black
- ▶ 85 ml
13351085
grey
- ▶ 85 ml
13353085
transparent

Press pack

- ▶ 200 ml
13350200
white
- ▶ 200 ml
13352200
black
- ▶ 200 ml
13351200
grey
- ▶ 200 ml
13353200
transparent



VIDEO



13359085
Sales display

Elastic Adhesives and Sealants MS-Polymers

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Flex+bond® Liquid



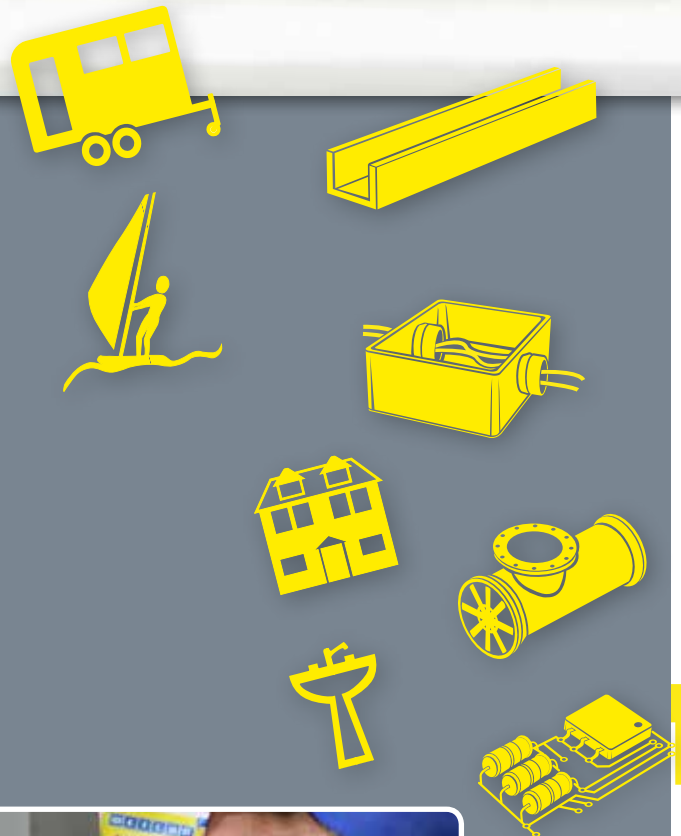
Self-levelling, one-component casting and coating mass | ISEGA-certified

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. 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.

► 85 ml
13354085
white



i You can find our Cartridge Guns on page 109.



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Speed-Flex® 

Replaces traditional fixings | ISEGA-certified

WEICON Speed-Flex is very strong, pasty, stable, paintable (wet-on-wet), resistant to ageing, weathering, and UV rays and is free of silicone, isocyanate and halogen.

WEICON Speed-Flex has an ISEGA certificate and can be used as an adhesive in foodstuff technology.

WEICON Speed-Flex is an adhesive on MS polymer basis with extremely strong initial strength and is suitable for the bonding of metals, many plastics, ceramics, wood, glass and stone.

Speed-Flex replaces traditional fixings such as screws, pegs, rivets, etc. The very high initial strength makes bonding possible even on vertical surfaces in indoor and outdoor areas.

WEICON Speed-Flex can be used for drywall and interior work, metal construction, tank and apparatus engineering, in ventilation and air conditioning systems, in exhibition stand construction and shopfitting and in all applications where silicones or products containing silicones are not suitable.

- ▶ 310 ml ▶ 310 ml
- 13600310** **13602310**
- white grey

Speed-Flex® Crystal 

Crystal-clear adhesion | ISEGA-certified

Speed-Flex Crystal is a quick-acting, strong and general-purpose power adhesive on MS polymer basis.

Due to its crystal-clear curing properties, Speed-Flex Crystal is particularly suitable in areas which should remain visually appealing, where no adhesive seam should be visible. Thus e.g. transparent plastics, acrylic glass or other materials can be quickly, cleanly and appropriately connected with each other.

- ▶ 310 ml
- 13608310**
- transparent



Elastic Adhesives and Sealants MS-Polymers

Solar-Flex®

Developed for solar industry

WEICON Solar-Flex® is strong, non-corrosive, paintable (wet-on-wet), weather-resistant and resistant to UV rays. It is free of silicone, isocyanate, halogens and solvents. WEICON Solar-Flex® is an elastic adhesive on MS polymer basis specially developed for the solar industry.

Both the very high initial bonding strength and the fast development of adhesive strength enable bondings even on vertical surfaces. Replaces traditional fixings in the assembly of solar and photovoltaic power systems.

- ▶ 290 ml ▶ 290 ml
- 13750290** **13752290**
- white grey



Especially for the solar industry

Adhesives / Sealants

Technical Sprays

Technical Liquids

Aqua-Flex



Ideal for wet and moist surfaces | ISEGA-certified

WEICON Aqua-Flex Adhesive and Sealant is strong, has outstanding ageing stability, and is resistant to weathering, UV rays, freshwater and salt water. It is free of silicone, isocyanate, halogens or solvents.

Aqua-Flex has an ISEGA certificate and can be used as an adhesive in foodstuff technology.

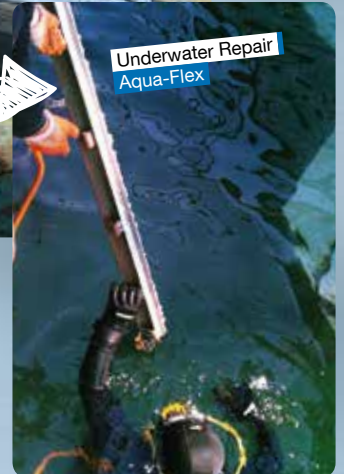
WEICON Aqua-Flex is an elastic adhesive and sealant on MS polymer basis for wet and damp substrates. It is suitable for the bonding of numerous materials such as metal, plastic, ceramics, wood, glass and stone.

Aqua-Flex can be used for pipeline and cable work, tank and apparatus engineering, in ventilation and air conditioning systems, gardening and landscaping, in sanitary installations and in all applications where silicones or products containing silicones are not suitable.

- ▶ 310 ml ▶ 310 ml ▶ 310 ml
- 13700310** **13702310** **13701310**
- white grey black



Ideal for wet and moist surfaces



Underwater Repair
Aqua-Flex



VIDEO



Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Recoating behavior of 1-Component Elastic Adhesives and Sealants (MS polymers and polyurethanes)

WEICON MS polymers and polyurethanes are basically free of substances which are harmful to the coating composition, such as silicone, and 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.

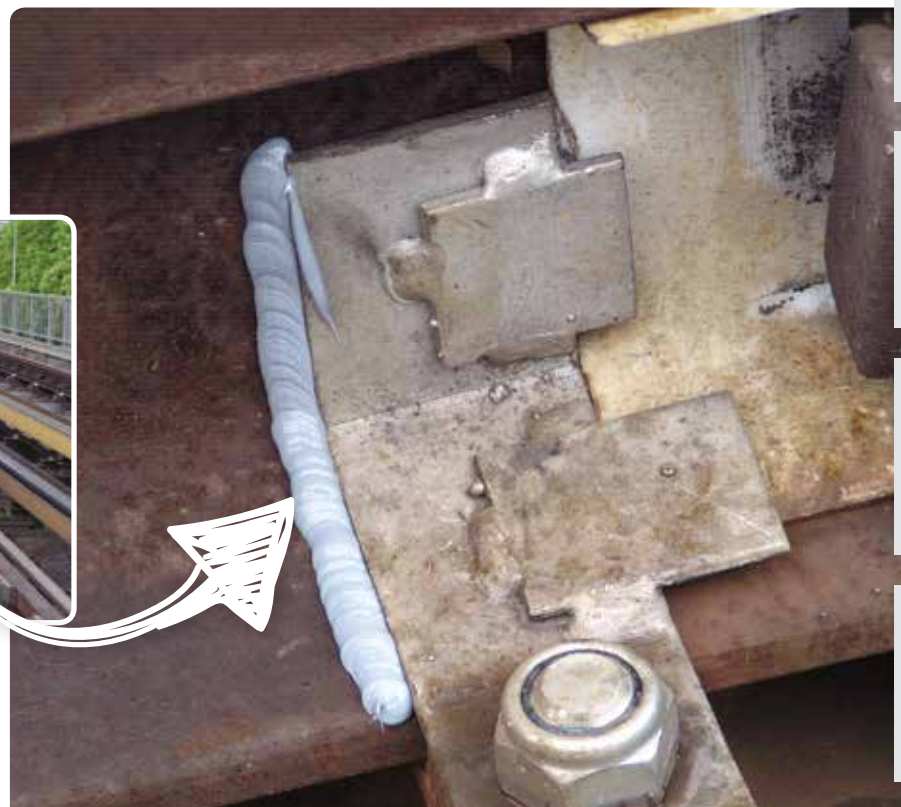
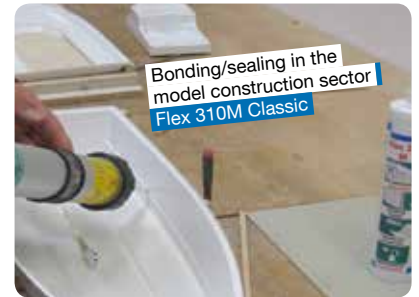
WEICON MS-polymers

- ▶ 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.

Elastic Adhesives and Sealants



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



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 ▶ 300 ml ▶ 300 ml
- 13300310 13301310 13302310
- white black grey



Fast-Bond

Fast-curing, 1-component structural and assembly adhesive for universal use on polyurethane basis (PUR)

Fast-Bond Structural and Assembly Adhesive is strong, paintable, sandable, and resistant to weathering, UV rays, freshwater and salt water. It is free of silicone or solvents.

WEICON Fast-Bond is suitable for the bonding of MDF panels, wood panels, chipboards, fibre and plaster boards, concrete, marble, natural and artificial stone, ceramics, gypsum, metals and rigid foams.

- ▶ 310 ml
- 13309310
- beige

VIDEO



Elastic Adhesives and Sealants

Polyurethanes



Bonding of a skylight
(food truck)
Flex 310 PU



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

WEICON Cartridge Guns



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

Acetoxy curing

WEICON Silicone A Adhesive and Sealant contains no solvents, is acetoxy curing, strong, permanently elastic, resistant to ageing and chemicals, temperature-resistant up to +200°C (+392°F), extremely elastic (breaking elongation >500%) and can be used universally. Silicone A adheres very well to steel, aluminium, glass, ceramics, and many additional materials.

WEICON Silicone A can be used in machine and system construction, ventilation and air conditioning systems, in the energy and electrical industry, in exhibition construction and shopfitting and in many additional industrial applications.



- ▶ 310 ml
13001310
white
- ▶ 310 ml
13002310
grey
- ▶ 310 ml
13003310
black
- ▶ 310 ml
13000310
transparent

Cartridge

Tube

- ▶ 85 ml
13000085
transparent

Silicone F

Liquid | self-levelling | neutral curing

WEICON Silicone F Casting and Sealing compound is liquid, self-levelling, spreadable, free of solvents and neutral curing. It is resistant to weathering and ageing, temperature-resistant up to +180°C (+356°F), extremely elastic (breaking elongation of approx. 370%) and can be used universally.

Silicone F can be specially used for elastic bonds, insulation and impregnation and even for the sealing and casting (max. 10 mm) of technical components. It adheres well to steel, aluminium, glass, ceramics, and many additional materials.

Silicone F can be used in machine and system construction, in plastic processing, the energy and electrical industry, in exhibition construction and shopfitting and in many additional industrial areas.



- ▶ 310 ml
13200310

Silicone LP NEW

Acetoxy curing | drinking water approval

WEICON Silicone LP is an acetoxy curing and permanently elastic adhesive and sealant. It is resistant to chemicals, ageing, weathering and UV radiation as well as to temperatures up to +180°C C (+356°F).

It adheres very well to steel, aluminium, glass, plastics and many other materials. Silicone LP was developed specially for use in sensitive areas. It can be used as sealant in the food and drinking water sector, for example in dairies, slaughterhouses, in the food and beverage production or in canteen kitchens.



- ▶ 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



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



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°C (+356°F), extremely elastic (breaking elongation of approx. 800%) and can be used universally.

Silicone N adheres very well to all metals, glass, ceramics, and many additional materials. WEICON Silicone N can be used in plastic processing, the electrical industry, energy technology, the lighting industry, exhibition construction and shopfitting and in many additional industrial areas.



▶ 310 ml
13400310
transparent

HT 300

High-temperature-resistant | acetoxo curing

WEICON HT 300 adhesive and sealant is red, high-temperature-resistant (+300°C/+572°F), free of solvents, strong and acetoxo curing. It is resistant to weathering, ageing and chemicals and is extremely elastic (breaking elongation of approx. 300%). HT 300 is particularly suitable for heat-exposed bonds and seals and adheres very well to steel, aluminium, glass, ceramics and many additional materials.

HT 300 can be used in industrial furnaces, flue gas systems, heating installations, exhaust gas routing, heating cabinets and in many additional areas.



▶ 85 ml
13050085
Tube

▶ 310 ml
13050310
Cartridge

Black-Seal

Extremely resistant against oil and grease

WEICON Black-Seal Adhesive and Sealant is black, high-temperature-resistant (+280°C/+536°F), free of solvents, strong, oilresistant, 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
13051085
Tube

▶ 200 ml
13051200
Press-pack

▶ 310 ml
13051310
Cartridge

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	1 C.-MS-Polymer	1 C.-MS-Polymer	1 C.-MS-Polymer	1 C.-MS-Polymer	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/cm ³ :	1,44	1,06	1,41	1,62	1,08	1,48	1,40
Viscosity:	pasty	pasty	pasty	pasty	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°C to +40°C* ² (+41 to +104°F)	+5°C to +40°C* ² (+41 to +104°F)	+5°C to +40°C* ² (+41 to +104°F)	+5°C to +40°C* ² (+41 to +104°F)	+5°C to +40°C* ² (+41 to +104°F)	+5 to +35°C (+41 to +95°F)
Cure type:	by humidity	by humidity	by humidity	by humidity	by humidity	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 30% to 95% rel. humidity	+5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	+5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	+5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	+5 to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	-
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	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	-
Pot life (at +23°C/+73°F and 50% rel. air humidity)	-	-	-	-	-	-	approx. 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	12	12	12	12	12	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/mm ² (480 psi)	3,0 N/mm ² (430 psi)	3,2 N/mm ² (460 psi)	1,9 N/mm ² (280 psi)	3,1 N/mm ² (450 psi)	2,2 N/mm ² (319 psi)	2,2 N/mm ² (319 psi)
Average tensile shear strength (DIN 53283 / ASTM D 1002):* ⁴	2,1 N/mm ² (300 psi)	2,0 N/mm ² (290 psi)	1,8 N/mm ² (260 psi)	1,5 N/mm ² (250 psi)	2,5 N/mm ² (360 psi)	1,8 N/mm ² (261 psi)	1,3 N/mm ² (189 psi)
Tear strength (DIN 53515 / ASTM D 624):	20 N/mm ² (114 lb/in)	19 N/mm ² (108 lb/in)	21 N/mm ² (120 lb/in)	13 N/mm ² (74 lb/in)	11 N/mm ² (63 lb/in)	11 N/mm ² (63 lb/in)	-
Movement capacity max. %:	15	20	-	20	20	10	-
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. 2h) to +120°C (+248°F)	-40 to +90°C (-40 to +194°F)
Specific forward resistance (Layer thickness):	1,0 x 10 ¹³ Ω/cm (2,3 mm)	1,2 x 10 ¹³ Ω/cm (2,2 mm)	3,4 x 10 ¹¹ Ω/cm (2,0 mm)	-	-	1,1 x 10 ¹³ Ω/cm (2,3 mm)	-
Paintable:* ⁵	only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints)	only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints)	only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints)	only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints)	only "wet-on-wet" within 3 hrs. at the latest after material application with suitable paint coating systems (except alkyd resin paints)	after complete curing	-
Building material category (DIN 4102):	B 2	B 2	B 2	B 2	B 2	B 2	B 2
Possible primers:	see primer selection table on page 115	see primer selection table on page 115	see primer selection table on page 115	see primer selection table on page 115	see primer selection table on page 115	see primer selection table on page 115	see primer selection table on page 115

*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:	1 C.-MS-Polymer	1 C.-MS-Polymer	1 C.-MS-Polymer		1 C.-MS-Polymer	1 C.-MS-Polymer	1 C.-MS-Polymer	One-component polyurethane	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	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	pasty	pasty	pasty	7.000 mPa.s	extremely pasty	pasty	pasty	pasty
Standfestigkeit/Ablauf (ASTM D 2202) mm:	1	<1	1	<1	Liquid, self-levelling	<1	<1	1	>1
Processing temperature:	+5°C to +40°C ¹² (+41 to +104°F)	+5°C to +40°C ¹² (+41 to +104°F)	+5°C to +40°C ¹² (+41 to +104°F)		+5°C to +40°C ¹² (+41 to +104°F)	+5°C to +40°C ¹² (+41 to +104°F)	+5°C to +40°C ¹² (+41 to +104°F)	+5°C to +40°C ¹² (+41 to +104°F)	+5°C to +40°C ¹² (+41 to +104°F)
Cure type:	by humidity	by humidity	by humidity		by humidity	by humidity	by humidity	by humidity	by humidity
Curing condition:	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity, Aqua-Flex also hardens under water	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity, Aqua-Flex also hardens under water	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity, Aqua-Flex also hardens under water		+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity, Aqua-Flex also hardens under water	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity, Aqua-Flex also hardens under water	+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): ¹³	25	10	25	10	40	10	10	45	3
Cure speed: ¹³	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours		2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours
Volume change (DIN 52451) %: ¹³	-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	12	12		12	12	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): ¹⁴	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	---
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 +90°C (-40 to +194°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 +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)	-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: ¹⁵	only "wet-on-wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints)	only "wet-on-wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints)	only "wet-on-wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints)		after complete curing	only "wet-on-wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints)	only "wet-on-wet", within 3 hours at the latest after material application with suitable paint coating systems (except alkyd resin paints)	after complete curing	after complete curing
Building material category (DIN 4102):	B 2	B 2	B 2		B 2	B 2	B 2	B 2	B 2
Possible primers:	see primer selection table on page 115	see primer selection table on page 115	see primer selection table on page 115		see primer selection table on page 115	see primer selection table on page 115	see primer selection table on page 115	see primer selection table on page 115	---



Technical Data

WEICON Adhesives and Sealants in non-cured condition						
	Silicone A	Silicone LP*	Silicone N	Silicone F	HT 300	Black-Seal
		✓				
Basis:	1-K Polysiloxan (Acetat)	1-K Polysiloxan (Acetat)	1-K Polysiloxan (Pentanoxim)	1-K Polysiloxan (Pentanoxim)	1-K Polysiloxan (Acetat)	1-K Polysiloxan (Acetat)
Density (g/cm ³):	1,03	1,00	1,01	1,00	1,18	1,04
Viscosity:	pasty	pasty	pasty	30.000 mPa s	pasty	pasty
Stability/Run-off (ASTM D 2202) mm:	1	1	1	flüssig	1	>1
Processing temperature:	+5°C to +35°C*2 (+41 to +95°F)	+5°C to +35°C*2 (+41 to +95°F)	+5°C to +35°C*2 (+41 to +95°F)	+5°C to +35°C*2 (+41 to +95°F)	+5°C to +35°C*2 (+41 to +95°F)	+5°C to +35°C*2 (+41 to +95°F)
Cure type:	by humidity	by humidity	by humidity	by humidity	by humidity	by humidity
Curing condition:	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity	+5°C to +40°C (+41 to +104°F) and 30% to 95% rel. humidity
Skin-over time (minutes):*3	15	10	7	15	8	7
Cure speed:*3	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours	2-3 mm in the first 24 hours
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	10	30	37
Elongation at break ISO 37, S3A [%]	700	575	550	600	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 % nach ISO 37, S3A	0,3 N/mm ² (40 psi)	0,5 N/mm ² (70 psi)	0,4 N/mm ² (60 psi)	0,2 N/mm ² (30 psi)	0,9 N/mm ² (130 psi)	0,7 N/mm ² (100 psi)
Movement capacity max. %:	25	25	25	/	15	15
Fungicide:	yes	no	yes	no	no	no
Temperature resistance:	-40°C to +180°C (-40 to +356°F)	-40°C to +180°C (-40 to +356°F)	-40°C to +180°C (-40 to +356°F)	-50°C to +180°C (-58 to +356°F)	-40°C to +280°C (-40 to +536°F) briefly (approx. 2 h) +300°C (+572°F)	-40°C to +280°C (-40 to +536°F) briefly (approx. 2 h) +300°C (+572°F)
Paintable:	cannot be painted	cannot be painted	cannot be painted	cannot be painted	cannot be painted	cannot be painted
Building material category (DIN 4102):	B 2	B 2	B 2	B 2	B 2	B 2

*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

*2 Protect from UV radiation

Primer M 100: For pretreating non-absorbent surfaces, e.g. metals, plastics, painted surfaces, enamels, ceramic and coated glass.

Primer K 200: For pretreating non-absorbent and painted plastic surfaces and elastomers, e.g. EPDM.

Primer S 300: For pretreating porous and absorbent surfaces.

Primer P 400: For pretreating polyolefins, e.g. PE, PP and difficult-to-bond elastomers.

Primer E 500: For pre-treating silicones.

Chemical resistance of WEICON Adhesives and Sealants after curing

	Flex 310 M® Classic	Flex 310 M® Crystal	Flex 310 M® HT 200	Flex 310 M® 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Alcohol	o	o	o	o	o	o	o	o	o	o	o	o	o	o	+	+	+	+	+	+
Concentrated formic acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	o	o	o	+	+
Ammonia 10 %	+	o	+	+	+	+	+	o	+	o	+	+	+	o	+	+	+	+	+	+
Petrol (92 to 100 octane)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Diesel/heating oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	o	-	-	+	+
Glycol ether	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+
Ethanol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+
Freon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	o	-	-	+	+
Antifreeze	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gear oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	o	-	-	+	+
Glycerine (glycol)	+	o	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+
Hexane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+
Hydraulic oil	o	-	o	o	o	o	o	o	o	-	o	o	o	o	+	+	o	o	+	+
Caustic potash solution 20%	o	o	o	o	o	o	o	o	o	o	o	o	+	+	-	-	-	-	-	-
Cooling lubricant, water-dilutable	+	o	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+
Lyes, diluted	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Methanol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Methyl ethyl ketone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Motor oil, mineral and synthetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Sodium hydroxide solution 20%	-	-	-	-	-	-	-	-	-	-	-	-	o	o	+	+	o	o	+	+
Phosphoric acid 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
2-propanol	-	-	-	-	-	-	-	-	-	-	-	-	o	o	+	+	o	o	+	+
Nitric acid 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Hydrochloric acid 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Salt water/seawater	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sulphuric acid 5%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Edible oil/vegetable oil	o	o	o	o	o	o	o	o	o	o	o	o	o	o	+	+	+	+	+	+
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Water	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Water, +90°C (+194°F)	+	-	+	+	-	+	+	+	+	-	+	+	-	-	+	+	+	+	+	+
Hydrogen peroxide 3%	+	-	+	+	+	+	+	+	+	-	+	+	-	-	+	+	+	+	+	+
Paraffin oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+
Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	o	o	+	+
Citric acid 10%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+

+ = resistant o = limited resistance - = not resistant

Formula for calculating the consumption quantity

Joint depth \ Joint width	5 mm		6 mm		8 mm		10 mm		12 mm	
	ml/m	m/Kart.	ml/m	m/Kart.	ml/m	m/Kart.	ml/m	m/Kart.	ml/m	m/Kart.
5 mm	25	12,4	30	10,3						
6 mm	30	10,3	36	8,6						
8 mm	40	7,75	48	6,5	64	4,8				
10 mm	50	6,2	60	5,2	80	3,9	100	3,1		
12 mm	60	5,2	72	4,3	96	3,2	119	2,6		
15 mm	75	4,1	90	3,4	120	2,6	148	2,1	182	1,7
18 mm			108	2,9	144	2,2	182	1,7	221	1,4
20 mm					160	1,9	194	1,6	240	1,3
25 mm							258	1,2	300	1,0

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

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 ▶ 5 L
13559500 13559505
Spray bottle



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,	yellowish, transparent	amber, transparent	slightly yellowish, transparent
Content	250 ml	250 ml	250 ml	250 ml	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 Adhesives and Sealants (except Silicones) WEICON Urethane	WEICON Adhesives and Sealants (except Silicones) WEICON Urethane	WEICON Adhesives and Sealants (except Silicones) WEICON Urethane	WEICON Silicone A, F and N WEICON HT-300 WEICON Black-Seal



For an optimum result, the surfaces to be bonded must be clean (Surface Cleaner), dry and as smooth as possible. The processing temperature should be above +10°C (+50°F).

Mounting Tape is not suitable for wallpapers or other sensitive surfaces. A removal of the tape may cause damage to the substrate.



Transparent

Moisture-resistant | UV-resistant | strong

- ▶ load bearing capacity 80 kg/m
- ▶ 19 mm x 3 m (length x width)
- ▶ core size 40 mm

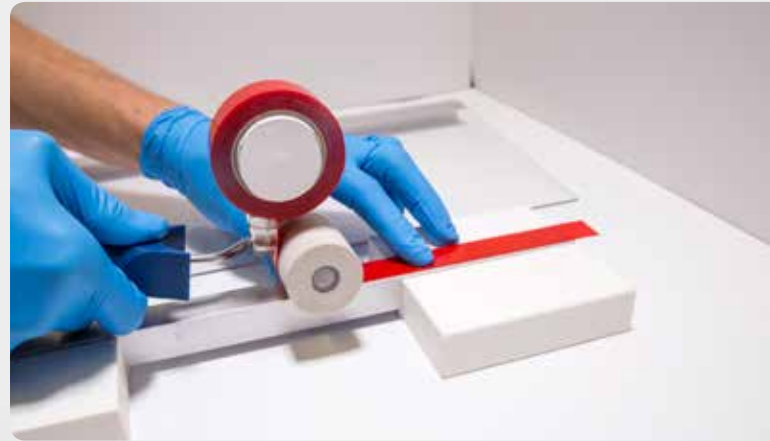


WEICON Mounting Tape Transparent is a double-sided, highly transparent adhesive tape made of pure acrylate adhesive. The tape is particularly suitable for visually demanding structural joints where transparent parts shall be fixed permanently both indoor and outdoor.

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°C (-40°F to +320°F) and is UV- and moisture-resistant. In combination with WEICON adhesives and sealants, it can be used as a fixing aid for hybrid bonding and ensures the secure positioning of the parts to be bonded.

Mounting Tape Transparent can be used in many different sectors, such as the advertising technology, fair and exhibition construction, kitchen and furniture construction, the caravanning sector, car body and vehicle construction, metal construction and in the electronics industry.

14100319



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Fixing aid in combination with WEICON Adhesives and Sealants.



Mounting Tape

Grey

Extremely strong adhesion | for smooth surfaces | high flexibility

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



Mounting Tape Grey is a strong, double-sided adhesive tape made of modified acrylic foam. The tape is particularly suitable for the bonding of low-energy plastics, such as PE and PP, as well as for powder-coated surfaces. In combination with WEICON adhesives and sealants, it can be used as a fixing aid for hybrid bonding.

The high flexibility of the tape perfectly compensates tensions when bonding around corners. Mounting Tape Grey has a temperature resistance of -40°C to +120°C (-40°F to +248°F), is UV- and moisture-resistant and suitable for permanent joints both indoors and outdoors.

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

14050319



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

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Contact adhesives for bonding rubber and metal

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.



GMK 2510

Strong | permanently elastic | temperature-resistant

GMK 2510 is a 2-component adhesive based on polychloroprene for full-surface and permanently elastic bonding of parts which are continuously exposed to dynamic loads. The advantage compared to 1-component contact adhesives is the considerably better adhesion and the improved temperature resistance.

GMK 2510 bonds rubber, metal, textiles, leather, sponge rubber (neoprene), CSM (Hypalon), insulating materials, PU materials with an adhesive coating, wood and many plastics. After curing the bonding is moisture-proof. WEICON GMK 2510 is not suitable for materials such as polystyrene foam, polyethylene, polypropylene parts, PVC soft foam and PVC imitation leather.

▶ 324 g
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

GMK 2410

Permanently elastic | resistant to humidity

GMK 2410 is an adhesive based on polychloroprene (CR) for the high-strength, full-surface and flexible bonding of

- rubber to rubber
- rubber to metal

WEICON GMK 2410 also bonds cellular rubber (e. g. neoprene), leather, felt, insulating material, textiles, wood, and many plastics.

GMK 2410 is not suitable for materials such as expanded polystyrene, polyethylene, polypropylene, flexible PVC foam, and artificial PVC leather. The product can be used for many industrial applications.

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



Technical Data

	GMK 2410	GMK 2510
Basis:	Polychloroprene (CR)	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 minutes	5 – 15 minutes
Final strength:	approx. 24 hours	approx. 24 hours
Temperature range:	from -40°C to +80°C (-40°F to +176°F)	from -40°C to +80°C (-40°F to +176°F), short-term (1 h) to +130°C (+266°F)
Processing temperature:	+15°C to +35 °C (+59°F to 95°F)	+15°C to +35°C (+59 to +95°F), the adhesive gels under +5°C (+41°F), however is ready to use again by carefully heating it to room temperature!
Storage stability:	12 months when unopened	12 months when unopened
Storage:	at room temperature (+15°C to +25°C/+59 to 77°F) dry, in densely closed packaging	at room temperature (+15°C to +25°C/+59 to 77°F) dry, in densely closed packaging

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

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Technical Sprays



WEICON – Our name stands for high-quality products that have been used successfully in all areas of production, repair, maintenance, and servicing for many years. Products that will certainly solve a number of tasks and problems in your company as well.

Constant further development and adaptation to the latest requirements from practice and environmental concerns also guarantee a quality standard that remains consistently high.

- ▶ Surface and Anti-Corrosion Coatings
- ▶ Cleaners and Degreasers
- ▶ Protection and Care
- ▶ Solvents and Release Agents
- ▶ Lubricants

Find the right cleaner **NEW**



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Technical Sprays for Sensitive Areas

NSF-Sprays **NSF** 156-157



VIDEO

Zinc Spray

Long-term cathodic corrosion protection | paintable | >1050 in the salt spray test according to DIN EN ISO 9227

WEICON Zinc Spray is approved by the German TÜV and provides a long-lasting cathodic corrosion protection to all metal surfaces. The spray forms a fast-drying, adherent protective layer of microfine zinc flakes.

Even after more than 1.050 hours in the salt spray test according to DIN 53167 and DIN 50021, metal parts coated with Zinc Spray did not show any corrosion. The zinc flakes form a resistant protective layer, even under extreme weather and environmental conditions.



Zinc Spray thus fulfils higher requirements than those defined by the DIN EN ISO 1461 standard. WEICON Zinc Spray can be used as a high-grade antirust primer, for the coating of welded joints and drilled holes, as a conductive intermediate layer for spot welding and wherever metal must be protected against corrosion.

► 400 ml
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



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



Surface and Anti-Corrosion Coatings

Galva-Spray

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

WEICON Galva Spray 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 hotdip 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





Before - after
Stainless Steel Spray

Rust Protection 2000 PLUS

Special corrosion- and weather-resistant surface coating

Rust Protection 2000 PLUS is a particularly corrosion- and weather-resistant surface coating on the basis of ferric oxide (hematite). The usage of highly-pure ferric oxide pigments in a flaky arrangement achieves permanent, weather-resistant and water-repellent surface protection.

Metal parts coated with Rust Protection 2000 PLUS did not show any corrosion after more than 2000* hours in a salt spray test. It is used wherever metal structures or systems require prolonged protection against extreme environmental and weather conditions in a visually appealing manner.

WEICON Rust Protection 2000 PLUS can be used on halls and steel structures, iron railing, lattice towers, fences, handrails, balcony grates, rolling gates, outdoor lights, and on points particularly susceptible to corrosion.

- ▶ 400 ml ▶ 400 ml
- 11013400 11012400
- silver-grey charcoal-grey



Aluminium-Spray A-100

Excellent corrosion protection | abrasion-resistant

WEICON Aluminium-Spray A-100 is abrasion-proof, resistant to many diluted acids and lyes, as well as to atmospheric influences. It contains aluminium pigments with a purity grade of <>99,5%.

WEICON Aluminium Spray A-100 offers highgrade 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 <>99,5%. WEICON Aluminium Spray A-400 offers highgrade 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



Surface and Anti-Corrosion Coatings

Stainless Steel Spray

Corrosion-resistant and effective surface coating

WEICON Stainless Steel Spray is a chemical, corrosion-, and weather-resistant surface coating on the basis of acrylic resin and stainless steel pigments. It is temperature-resistant up to +300°C (+572°F) 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



Isolation Spray **NEW**

Transparent insulating and finishing varnish based on acrylic resin

WEICON Isolation Spray is a transparent insulating and finishing varnish based on acrylic resin. It forms a flexible and resistant layer, which shows excellent adhesion to metal, glass, plastic or wood. It is resistant to UV radiation, acids, oils and lyes. It is moisture- and weather-resistant and has high dielectric strength.

The spray protects against moisture as well as different vapours. It serves as protective coating for circuit boards, on electrical connections, switches, switchboards, electronic components and coils, as universal sealant in electrical engineering or for the repair of insulations on electric motors, windings and frames.

► 400 ml

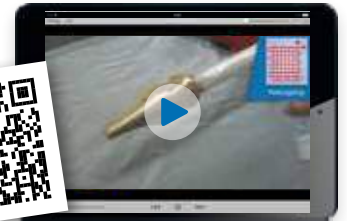
11551400



Technical Sprays

Surface and Anti-Corrosion Coatings

VIDEO



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



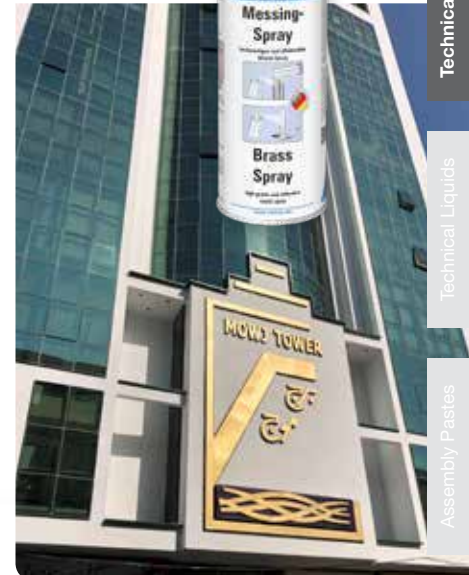
Brass Spray

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



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





Technical Data



	Zinc Spray	Zinc Spray bright grade	Zinc-Alu Spray	Galva Spray	Rust Protection 2000 PLUS charcoal-grey	Rust Protection 2000 PLUS silver-grey
Colour:	Slightly weathered hot-dip galvanization	Fresh hot-dip galvanization	Fresh hot-dip galvanization	Fresh hot-dip galvanization	charcoal-grey / DB 703	silver-grey / DB 701
Application:	indoors and outdoors	indoors and outdoors	indoors and outdoors	indoors and outdoors	indoors and outdoors	indoors and outdoors
Binding agent:	styrenated alkyd resin	modified alkyd resin	acrylic resin	acrylic resin	alkyd resin	alkyd resin
Pigment:	flaky zinc and aluminium pigments	flaky zinc and aluminium pigments	zinc and aluminium pigments	zinc and aluminium pigments	lamellar hematite	lamellar hematite
Pigment purity:	approx. 99,9 Zn / approx. 99,9% Al	approx. 99,9 Zn / approx. 99,5% Al	approx. 99,5% Al / approx. 94,0% Zn	approx. 99,5% Al / approx. 94,0% Zn	> 90% ferric oxide	> 90% ferric oxide
Percentage of metal in dry film:	approx. 70%	approx. 70%	approx. 51%	approx. 51%	approx. 58%	approx. 58%
Content:	400 ml	400 ml	400 ml	400 ml	400 ml	400 ml
Specific Weight g/cm ³ :	1,1 - 1,3	1,0 - 1,2	0,90 - 1,0	0,90 - 1,0	1,3 - 1,4	1,3 - 1,4
Recommended primer:	not necessary	Zinc Spray	Zinc Spray	Zinc Spray	not necessary	not necessary
Processing temperature* ² :	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)
Consumption at 1.5 cross coats* ³ :	approx. 150 ml/m ²	approx. 150 ml/m ²	approx. 150 ml/m ²	approx. 150 ml/m ²	approx. 160 ml/m ²	approx. 160 ml/m ²
Layer thickness at 1.5 cross coats* ³ :	approx. 150 ml/m ²	approx. 20-40 µm	approx. 20-40 µm	approx. 20-40 µm	approx. 160 ml/m ²	approx. 160 ml/m ²
Drying time* ³ :	Dust dry	approx. 15 minutes	approx. 15 minutes	approx. 15 minutes	approx. 15 minutes	approx. 30 minutes
	Hardened	approx. 12 hours	approx. 12 hours	approx. 12 hours	approx. 12 hours	approx. 24 hours
	Painted over	approx. 24 hours	approx. 24 hours	approx. 12 hours	approx. 12 hours	approx. 24 hours
Abrasion-resistant:	abrasion-resistant	abrasion-resistant	abrasion-resistant	abrasion-resistant	abrasion-resistant	abrasion-resistant
Cross cutting DIN 53151 / ISO 2409:	cross cut characteristic value GT 0	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1
Salt spraying test DIN EN ISO 9227	>1.050 hours	>550 hours	>450 hours	>450 hours	---	---
Mandrel bend test DIN EN ISO 1519:	no hair cracking	no hair cracking	no hair cracking	no hair cracking	no hair cracking	no hair cracking
Top coating:	not required	not required	not required	not required	not required	not required
Temperature resistance after complete curing:	from -50°C (-58°F) to +500°C (+932°F)	from -50°C (-58°F) to +300°C (+572°F)	from -50°C (-58°F) to +300°C (+572°F)	from -50°C (-58°F) to +300°C (+572°F)	from -50°C (-58°F) to +300°C (+572°F)	from -50°C (-58°F) to +300°C (+572°F)
Storage stability* ⁵ :	24 months	24 months	24 months	24 months	24 months	24 months

*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.

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

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	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%
400 ml	400 ml	400 ml	400 ml	400 ml	400 ml	400 ml	400 ml
0,9 - 1,0	0,8 - 0,9	0,9 - 1,0	0,9 - 1,0	0,8 - 0,9	0,9 - 1,0	0,9 - 1,0	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)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)	from +5°C (+41°F) to +35°C (+95°F), optimum processing temperature from +18°C (+64°F) to +25°C (+77°F)
approx. 120 ml/m 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 minutes	approx. 10 minutes	approx. 10 minutes	approx. 10 minutes	approx. 10 minutes	approx. 10 minutes	approx. 10 minutes	approx. 10 minutes
approx. 4-6 hours	approx. 4-6 hours	approx. 4-6 hours	approx. 10 hours	approx. 4-6 hours	approx. 4-6 hours	approx. 4-6 hours	approx. 4-6 hours
approx. 4-6 hours	cannot be painted	approx. 4-6 hours	approx. 8 hours	cannot be painted	approx. 4-6 hours	approx. 4-6 hours	approx. 4-6 hours
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	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1	cross cut characteristic value GT 0 to GT 1
---	---	---	>140 h	---	---	---	---
no hair cracking	no hair cracking	no hair cracking	no hair cracking	no hair cracking	no hair cracking	no hair cracking	no hair cracking
not required	cannot be painted	not required	not required	not required	not required	not required	not required
from -50°C (-58°F) to +800°C ⁶⁵ (+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	24 months	24 months	24 months	24 months	24 months	24 months	24 months

⁶⁵ 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.

⁶⁶ Above +350°C (+662°F) not abrasion-resistant.

Cleaner Spray S

Degreases and cleans all metals, glass, ceramics and most plastics

WEICON Cleaner Spray S cleans, degreases and evaporates without leaving residues. Its special valve also makes it possible to work overhead.

Cleaner Spray S can be used on all metals, glass, and ceramics, and on most plastics, and thermoplastics such as PVC, PMMA (acrylic glass), polystyrene etc.

WEICON Cleaner Spray S can be used for cleaning and degreasing before priming and painting, for cleaning machine parts or before other WEICON products are applied on surfaces where a greasy underground would impair their effect.

► 500 ml
11202500



Fast Cleaner

Cleaning and degreasing agent for sensitive areas

The Fast Cleaner has an NSF registration for the foodstuffs sector and can therefore be used as a cleaner and degreasing agent for the removal of contamination generated within the scope of maintenance work and for the removal of noncured adhesive residues in the foodstuffs and beverages industry and in the pharmaceutical and cosmetic industries.



Fast Cleaner is used to clean and degrease surfaces which are bonded or sealed using WEICON Adhesives and Sealants, or which should be coated using WEICON metal sprays.

Fast Cleaner is pH-neutral and 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 Cleaners and Degreasers

Industrial Cleaner **NEW**



Powerful special cleaner with high yield

WEICON Industrial Cleaner is suitable for universal use. It cleans, degreases and evaporates without leaving any residues. The cleaner removes grease, oil, soot and other soilings and residues. It cleans many surfaces fast and easily, such as metals, glass and many plastics. Industrial Cleaner can be used in many different areas.

It is even suitable for sensitive surfaces, such as plastics, rubber materials or powder-coated metal pieces. The cleaner operates with a highly compressed propellant. Therefore, it has a very high active ingredient content of 95 %. This means that the cleaner is very economical, so one container covers a significantly higher number of applications.

► 500 ml
11215500



Surface Cleaner



Pre-treatment of bonding surfaces

WEICON Surface Cleaner is used for the cleaning and degreasing of surfaces to be joined or sealed with WEICON Adhesives and Sealants.

WEICON Surface Cleaner can be applied on materials like metal, glass, ceramics and most plastics. Surface Cleaner can be used, for example, to clean and degrease machine components in the course of maintenance work.

► 150 ml ► 400 ml
11207150 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.).

► 400 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
1120



Cleaning of plastic applications
Plastic-Cleaner





VIDEO

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

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.

► 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 engine brakes, clutches, engine parts, etc. in the automotive sector. The product can be used in many industrial applications.

► 500 ml
11201500



Technical Sprays Cleaners and Degreasers



Multi-Foam

Powerful universal cleaner

WEICON Multi-Foam is a powerful universal cleaner for residue-free cleaning. It is safe for the environment, biodegradable, free of phosphates and formaldehyde and contains no corrosive or caustic substances.

Multi-Foam can be used to clean the most diverse surfaces such as metal, plastic, glass, ceramic or lacquered and coated surfaces.

WEICON Multi-Foam can be used universally in industry, small trade and in the private sector.

► 400 ml
11200400



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.

► 400 ml
11217400

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



Foam Cleaner

For the food industry

WEICON Foam Cleaner is universally applicable and can be used for the cleaning and degreasing of water-resistant surfaces and for the removal of soilings on plastic, glass and textile surfaces.

Due to its NSF A1 registration, the Foam Cleaner is suitable for use in sensitive areas, such as the food and beverage industry as well as in the pharmaceutical and cosmetic industry.

The spray is suitable for the cleaning of conveyor belts with contact to food, for example in production lines or retail shops. It removes soilings on machine housings and cleans scales, flat screens, touch screens, navigation systems and many more. Foam Cleaner eliminates many different impurities, such as oils and greases, fingerprints, soot, nicotine, dust as well as residues of insects. It can be used wherever acidic or alkaline detergents are not allowed. Due to its special formula and the resulting NSF registration, the Foam Cleaner can contribute towards improvements in occupational safety and health protection.

► 400 ml
11209400





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 highpurity 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



VIDEO



Technical Sprays

Cleaners and Degreasers

Visor Cleaner

Cleaner on the basis of highly active organic solvents

WEICON Visor Cleaner is a special cleaner for the cleaning and care of sensitive plastic and glass surfaces. It is antistatic and anti-reflective, reduces dazzling, and improves the view.

WEICON Visor Cleaner gently removes contamination caused by insects, dirt, dust, grease and nicotine without leaving streaks.

Visor Cleaner can be used on all kinds of visors, on welding face shields, safety goggles, vision protection, safety glass, plastic housings on CNC machines, printers, scanners, etc., and on all other plastic and glass surfaces.

► 200 ml
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





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



Our TIP!



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



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 metallic-organic iron complex with the rust layer. This connection is stabilized with the special epoxy resin, which protects metals from external impacts. The forming black layer serves as base coat and is the foundation for the subsequent, permanent coating.

The spray is anti-corrosive, shows excellent capillary action and a high opacity. It is temperature-resistant up to +80°C (+176°F) (short-term < 15 min. to +160°C (+320°F)), has good weather and UV resistance as well as excellent solvent resistance. WEICON Rust converter is free of heavy metals and mineral acid and odourless.

Rust Converter can be applied to all rusty areas, e.g. at machines and plants, agricultural equipment as well as motor vehicles. The spray can also be used as a protective, preventive layer.

► 400 ml
11155400



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



Technical Sprays

Solvents and Release Agents



Rust Loosener Fluid

NSF
NSF International
Food Grade
Registration 149899

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 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



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



Angle grinding test

These are used on all common angle grinders with electric motor or compressed-air drive. The values stated in the following chart were determined with a Flex angle grinder, 1.400 W.

Contact pressure approx. 4,0 kg, 10.000 RPM. The test was carried out with the Rhodius LSZF Vision, diameter 125, grain 60. Material: aluminium block (AlSi9Cu3) 5x5 cm, clamped into a vice.

Increased material removal by **350%**



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



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



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



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

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 followup cleaning of the workpieces with a spatula, brush or chisel superfluous. Posttreatment of the workpiece 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

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





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**

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 razorthin film which does not smear or stick and does not attract dust. It protects and preserves all types of tools, machines, and electrical and mechanical precision devices and keeps them functional. The use of WEICON W 44 T® has almost no limitations in workshop, automotive, shipping, electrical, agricultural, household and hobby applications.

- ▶ 400 ml **11251400**
- ▶ 500 ml **11251550**



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Lubricating and Multifunctional Oils

AT-44 Allround-Spray

With PTFE super power

WEICON AT-44 is an allround spray with PTFE and without silicone which, thanks to its special formula and very low friction coefficient, combines corrosion protection, cleaning, water repellency, lubrication and conservation in a single product. AT-44 loosens seized threads, bolts, fittings and valves, dispels moisture from electrical cables, prevents tracking currents and makes it easier to start wet motors. It eliminates squeaky and creaky noises on hinges, guides, bearings and all types of joints and couplings. It cleans soiled surfaces and leaves a razor-thin film which does not smear or stick and does not attract dust. It protects and preserves all types of tools, machines, and electrical and mechanical precision devices and keeps them functional.

WEICON AT-44 knows almost no limitations in workshop, automotive, shipping, electrical, agricultural, household and hobby applications.

- ▶ 150 ml ▶ 400 ml
11250150 11250400



VIDEO



Bio-Cut

Cutting oil for all metals

WEICON Bio-Cut is free of mineral oils and biodegradable. Thanks to its particularly high lubricating effect, it enables higher cutting speeds, a longer service life and thus higher performance of cutting tools.

WEICON Bio-Cut can be used for drilling, grinding, milling, grating, sawing, punching and reaming of all kinds of steel, cast iron, stainless steels, copper, brass, aluminium and their alloys in all areas of industry.

- ▶ 400 ml

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

V 44 T®
Multi-Spray

-50°C (-58°F) -
+210°C (+410°F)





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



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS[®]

Other



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.

► 400 ml
11260400

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



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



VIDEO



NSF

NSF International
Food Grade Lubricants
Registration #145846

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



Anti-Friction Spray MoS₂

Dry lubricant

Anti-Friction Spray MoS₂ is a grease-free dry lubricant with pressure and temperature resistance from -200°C (-328°F) to +450°C (842°F). The layer repels dust, dirt and water, resists oils, greases and many chemicals and adheres to metals, plastics and wood surfaces.

The high portion of 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, gears 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





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



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, waterrepellent 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



Chain and Rope Lube Spray

Adherent and high-pressure-resistant

WEICON Chain and Rope Lube Spray is a synthetic, transparent adhesive lubricant for the permanent internal and external lubrication of all types of highly stressed chains and wire ropes.

Chain and Rope Lube Spray is particularly strongly adherent, shows excellent capillary action, suppresses noise, repels water and prevents elongation, friction and wear.

WEICON Chain and Rope Lube Spray can be used on all types of chains and wire ropes, gearwheels, worm gears, fast-running machine parts, joints, couplings, rollers, ball bearings and spring assemblies in many industrial applications.

▶ 400 ml
11500400

Universal Spray-on Grease with MoS₂

High-pressure-resistant

WEICON Universal Spray-on Grease with MoS₂ is a high-pressure-resistant and strong longterm 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



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 waterrepellent. 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



Grease Sprays

Adhering Grease extra strong



Also for underwater applications

WEICON Adhering Grease extra strong is a special lubricant and corrosion protectant even for underwater applications. It provides effective protection against aggressive fluids in maritime applications and in wet plants.

Adhering Grease extra strong is suitable for rolling and sliding bearings even in mixed friction operation, for joints, levers, sliding guides, spindles, spline shafts, exposed gears, worm gears, chains and wire cables and at all sliding speeds permitted for grease lubrication. The product can be used in many applications.

▶ 400 ml
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



VIDEO





Anti-Seize Assembly Spray

Reliable protection against corrosion, seizing and cold welding

WEICON Anti-Seize Assembly Spray is high-temperature-resistant and has excellent separating characteristics.

WEICON Anti-Seize is used as a protecting, separating and lubricating agent for highly stressed parts. Ideally compatible solid contents and selected additives enable a wide range of usage.

WEICON Anti-Seize protects against corrosion, seizure and wear, stick-slip phenomena, oxidation, fretting corrosion and electrolytic reactions ("cold welding"). The product can be used in many industrial applications.

- ▶ 100 ml ▶ 400 ml
- 27000100 27000400



Anti-Seize Assembly Spray High-Tech



Metal-free

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

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

Sales-Display

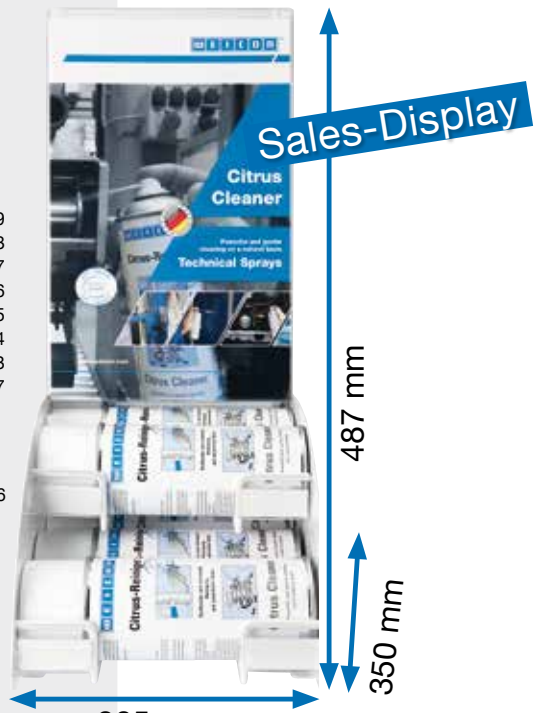
- ▶ 500 ml Spray 11951079
- ▶ 400 ml Spray 11951082

Inlay 400 ml

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

Inlay 500 ml

- ▶ W 44 T® 11951096



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



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



DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | anti-corrosive

The spray is used for the fast, convenient and reliable location of leaks (cracks or porous spots) in pressurized pipes.

WEICON Leak Detection Spray does not form any hazardous compounds with carbon dioxide (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



DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | anti-corrosive | frost-proof up to -15°C (+5°F)

The safe, easy and quick way to find leaks or porous spots on gas pipes. Leak Detection Spray frost-proof does not form any harmful compounds with these gases: carbon dioxide (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



-15°C
 (+5°F)

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

Leak Detection Sprays and Crack Testing Agent

Crack Testing Agent

1 & 3

Cleaner

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

► 500 ml
11692500

2

Penetrant

Red diffusion agent with excellent capillary action for the nondestructive 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

4

Developer

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

► 500 ml
11691500



1

Cleaning the surface with the Cleaner



2

Apply Penetrant and allow to react



3

Clean again to remove excess Penetrant



4

Apply Developer and perform final visual assessment

Standards and regulations
Sample-tested according to DIN EN ISO 3452-2. Low sulphur and halogen content, according to DIN EN ISO 3452-2 and ASME-Code, Section V, Article 6, T641,07-2015.





Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Allround Sealing Spray



Paintable | for indoor and outdoor use

WEICON Allround Sealing Spray is a sprayable plastic with high adhesive strength for the sealing of leaks. It has been developed especially for the sealing of the finest cracks and seams indoors and outdoors.

It can be used for the sealing of many different things, like gutters, sewage and drainage pipes, caravans, mobile homes, boats, roofs, windows, pool walls, pond foils, cell shafts and ventilation shafts.

The spray is paintable, waterproof and weather and UV-resistant. It protects metals against corrosion and is free of bitumen and silicone.

Allround Sealing Spray adheres to many surfaces, like stone, metal, plastic, wood, enamel, and many more.

- ▶ 400 ml ▶ 400 ml ▶ 400 ml
- 11554400 11555400 11553400
- black grey 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 ▶ 250 ml
- 11640150 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

Precise chilling down to -45°C (-49°F)

WEICON Freeze-Spray has many uses and is suitable for fault-finding in electronics and for repair works in industrial sector.

Freeze Spray quickly cools parts down to -45°C (-49°F) and allows pin-pointed chilling of even the smallest construction parts.

WEICON Freeze Spray is non-conductive and neutral to materials (with the exception of plastic) and can be used in many industrial and technical applications.

- ▶ 400 ml
- 11610400





Adhesives / Sealants

Technical Sprays

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Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Silicone-Fluid



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

▶ 400 ml
11351400

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

Spray-on Grease H1



High-temperature-resistant | odour- and tasteless | NSF-H1 registration

▶ 400 ml
11541400

Metal-Fluid



For matt and polished surfaces | for stainless steel, ceramics, glass, plastics, wood | NSF-A7; C1 registration

▶ 400 ml
11580400

PTFE-Fluid



Repels dirt, dust and water | resistant against oils, greases and many chemicals | NSF-H2 registration

▶ 400 ml
11301400

Foam Cleaner



Special cleaner for the food industry | universally applicable | NSF A1 registration

▶ 400 ml
11209400

Bio-Fluid



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

▶ 500 ml
11600500

Fast Cleaner



pH-neutral and material-compatible | can be used on many different materials such as metals, glass, ceramics and most rubbers and plastics | NSF-A1 registration

▶ 500 ml
11212500

Industrial Cleaner **NEW**



Powerful special cleaner with high yield

▶ 500 ml
11215500

Top-Lube-Fluid



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

▶ 400 ml
11512400

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

Anti-Seize High-Tech



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

▶ 400 ml
27050400

Technical Sprays for Sensitive Areas



Technical Sprays for sensitive areas

With our selection of chemo-technical products with food certifications, we ensure that you get the right products for your production, maintenance and repair which meet your exact requirements quality- and safety-wise.

We have developed a variety of special products for the most different applications which meet the high standards of the National Sanitation Foundation (NSF). These products can be used in sensitive areas such as food production, food and beverage industry and the pharmaceutical and cosmetic industry. Here our adhesives and sealants, assembly pastes or cleaners can be applied in the different areas of production.



Lubricants, Release Agents and Anti-Corrosion Agents

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
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H2	Lubricant where there is no possibility of food contact in and around food processing areas.	PTFE-Fluid, Top-Lube-Fluid
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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)
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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)
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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
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K1, K3	Solvent cleaner and degreaser for use in non food processing areas. Solvent adhesive or glue remover without direct food contact.	WEICON Industrial Cleaner (Spray)
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Universal Spatula white

10953008

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.



Technical Data

	Colour	Odour	Temp. resistance	Content	Shelf life (months)	Special features
Adhering Grease extra strong	beige	almost odourless	-25°C (-13°F) to +80°C (+176°F)	400 ml	24	adhering even under water
Adhesive Spray	beige	solvent	-20°C (-4°F) to +65°C (+149°F)	500 ml	12	large surface bonding of light materials
Adhesive Spray extra strong	yellowish	solvent	-20°C (-4°F) 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) to +50°C (+122°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) to +130°C (+266°F)	400 ml	24	silicone-free
Anti-Friction Spray MoS2	anthracite black	solvent	-200°C (-328°F) to +450°C (+842°F) briefly to +500°C (+932°F)	400 ml	24	dry lubricant on MoS2 basis
Anti-Seize High Tech	white	medical white oil	-40°C (-40°F) to +1.400°C (+2.552°F)	400 ml	24	perfect protection against the seizing of high-alloy steels, NSF H1
Anti-Seize Assembly Spray	anthracite	synthetic oil mixture	-180°C (-292°F) to +1.200°C (+2.192°F)	400 ml	24	extremely high pressure resistance, corresponds to MIL907D
Anti-Spatter Spray	colourless	solvent	---	400 ml	24	silicone-free
AT-44 Allround-Spray	yellowish	vanilla	-50°C (-58°F) 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) to +80°C (+176°F)	400 ml	24	suitable for highly-stressed powertransmission belts
Bio-Cut	colourless	almost odourless	to +200°C (+392°F)	400 ml	12	completely biodegradable
Bio-Fluid	colourless	almost odourless	-25°C (-13°F) to +120°C (+248°F)	500 ml	24	corresponds to purity grade of DAB10, USDA H1, FDA Regulations, FDA positive list
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) 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, pH neutral
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) to +150°C (+302°F)	400 ml	24	dispels moisture, protects electrical contacts
Copper Paste Assembly Spray	copper	mineral oil	-20°C (-4°F) to +1.100°C (+2.012°F)	400 ml	24	high temperature resistant
Corro-Protection	milky	solvent	-20°C (-4°F) 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	reliable indication of material errors
Crack Testing Agent Penetrant	red	solvent	0°C (+32°F) to +50°C (+122°F)	500 ml	24	very good penetration properties
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-A1 approval
Fitting Spray	colourless	odourless	-25°C (-13°F) to +120°C (+248°F)	200 ml	24	resin- and acid-free mineral oil
Foam Cleaner	white	odourless	---	400 ml	24	NSF-A1 approval
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
NEW Industrial Cleaner	colourless	solvent	---	500 ml	24	high performance, 95 % active ingredient content

Technical Sprays

Technical Data

	Colour	Odour	Temp. resistance	Content	Shelf life (months)	Special features
NEW Isolation Spray	colourless	solvent	-40°C (-40°F) to +120°C (+248°F)	400 ml	24	high dielectric strength, material-compatible
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) to +50°C (+122°F)	400 ml	24	DVGW-tested
Leak Detection Spray frost-proof	colourless	almost odourless	-15°C (+5°F) to +40°C (+104°F)	400 ml	24	DVGW-tested; 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, NSF-A7, C1 approval
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) 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) to +210°C (+410°F)	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-H 2 approval
PTFE-Spray	white	almost odourless	-180°C (-292°F) 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) 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 approval
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) 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 approval
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) to +160°C (+320°F)	400 ml	24	odour- and tasteless high-temperature grease, NSF-H 1 approval
Spray-on Grease white	white	solvent	-20°C (-4°F) 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) 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) to +200°C (+392°F)	400 ml	24	particularly adhesive, pressure-resistant, and water-repellent. With excellent capillary action
Top-Lube-Fluid	light yellowish	neutral	-20°C to +250°C (-4°F to +482°F)	400 ml	24	synthetic, transparent, NSF H2 approval
Universal Spray on Grease with MoS ₂	black	almost odourless	-20°C (-4°F) 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 [®] Multi-Spray	yellowish	vanilla	-50°C (-58°F) to +210°C (+410°F)	400 ml 500 ml	24	multifunctional oil with multiple effect
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 approval

Surface- and Anti-Corrosion Coatings

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Technical Liquids

WEICON Technical Liquids

Environmentally friendly | economical | effective

Environmental protection, economic efficiency and health and safety at work - these are all requirements which every company has to fulfil to an increasing degree. That is why products and production systems that reach these requirements are becoming all the more important.

WEICON Technical Liquids meet the highest demands:

- ▶ they contain no flammable propellants
- ▶ no extensive or costly disposal is necessary
- ▶ emissions are reduced
- ▶ less packaging waste
- ▶ only the substance itself is processed



WEICON Technical Liquids are available for the following areas of application:

- ▶ cleaning and degreasing
- ▶ lubrication, care and maintenance
- ▶ release and separating
- ▶ surface and anti-corrosion coatings



Aluminium Paint*

Effective | abrasion-resistant

Aluminium Paint is used as corrosion protection and for the optical enhancement of metallic surfaces. Upon contact with moisture, aluminium pigments form a dense, almost impermeable oxide layer on the surface which prevents further moisture penetration.



High abrasion resistance and a long colour shade guarantee are achieved by pigments which evenly distribute themselves throughout the entire coating upon application.

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

- ▶ 375 ml ▶ 750 ml
- 15002375 15002750

Brushable Liquid Zinc Coating*

Repair for galvanized surfaces with a colour shade matching hot-dip galvanization



WEICON Brushable Liquid Zinc Coating provides active protection against corrosion for all metallic surfaces and is available in a colour shade matching the galvanization.

With Brushable Liquid Zinc Coating, flaky metal pigments settle parallel to the surface in several, spatially displaced layers on the substrate (shingle effect). This protects the surface longer from penetrating moisture. Optimal corrosion protection is achieved in connection with the simultaneous electro-chemical effect.

- ▶ 375 ml ▶ 750 ml ▶ 2,5 L
- 15001375 15001750 15001902

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Brushable Liquid Zinc Paint*

Efficient cathodic corrosion protection

WEICON Brushable Liquid Zinc Paint is a coating used to actively and permanently protect metallic substrates against corrosion.

Brushable Liquid Zinc Paint uses high concentration and pure spherical (round) metal pigments. The high amount of zinc in the coating ensures efficient cathodic corrosion protection.

If the surface is damaged, the zinc molecules react with the air humidity to form zinc oxide molecules which protect the base material from corrosion.

- ▶ 375 ml ▶ 750 ml ▶ 2,5 L
- 15000375 15000750 15000902



Surface and Anti-Corrosion Coatings

Corro-Protection*

Corrosion protection for indoor storage and overseas shipment of metals

WEICON protective film approved by the German TÜV. It lastingly preserves tools and precision components with a dry and waxy layer.

WEICON Corro Protection can be used as safe corrosion protection for bare, unpainted metal parts, for the indoor storage of work-pieces, as corrosion protection during overseas transport and for the conservation of tools and precision components. The protective layer can be removed easily (e.g. with WEICON Cleaner S).



▶ 5 L	▶ 10 L	▶ 28 L
15550005	15550010	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	▶ 5 kg	▶ 10 kg	▶ 28 kg
15152001	15152005	15152010	15152028



* Not to spray with WSD 400 and WPS 1500. Just for application with paint brush / paint roller.



Surface Cleaner

Pre-treatment of bonding surfaces

WEICON Surface Cleaner is used for the cleaning and degreasing of surfaces to be joined or sealed with WEICON Adhesives and Sealants.

Surface Cleaner can be applied to materials like metal, glass, ceramics and most plastics.

WEICON Surface Cleaner can be used, for example, to clean and degrease machine components in the course of maintenance work.

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



Electro Contact Cleaner

Cleans and degreases electronic or mechanical components

WEICON Electro Contact Cleaner is a special cleaner for the fast and effective cleaning and degreasing of all kinds of soiled or corroded contacts.

WEICON Electro Contact Cleaner was specially developed for the cleaning of electrical and mechanical components. The special formula with high-purity solvents removes oxide/ sulphide layers, combustion residues and resinous or sooty soiling. WEICON Electro Contact Cleaner reduces voltage loss and increases electric conductivity.

Contamination that can cause tracking current is removed. It can be used on electrotechnical or mechanical components such as electrical machines, measuring instruments, tools, balances, switches and sensors or electrical connections, contacts, relays and switchboards.

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



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 ▶ 10 L ▶ 28 L
- 15203505 15203510 15203528



Technical Liquids Cleaners and Degreasers



Fast Cleaner



Cleaning and degreasing agent for sensitive areas

The Fast Cleaner has an NSF registration for the foodstuffs sector and can therefore be used as a cleaner and degreasing agent for the removal of contamination generated within the scope of maintenance work and for the removal of noncured adhesive residues in the foodstuffs and beverages industry and in the pharmaceutical and cosmetic industries.

Fast Cleaner is used to clean and degrease surfaces which are bonded or sealed using WEICON adhesives and sealants, or which should be coated using WEICON metal sprays.

Fast Cleaner is pH-neutral and materialcompatible, and can be used on many different materials such as metals, glass, ceramics and most rubbers and plastics. Due to its special formula and the resulting NSF registration, the Fast Cleaner can contribute towards improvements in occupational safety and health protection.

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



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 ▶ 10 L ▶ 28 L
- 15213005 15213010 15213028



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 ▶ 10 L ▶ 28 L
- 15200005 15200010 15200028



* Not to spray with WSD 400 and WPS 1500. Just for application with paint brush / paint roller.





Brake Cleaner

Multi-purpose cleaner, especially for the automotive sector

WEICON Brake Cleaner is a universal cleaner for the automotive industry, which cleans, degreases and evaporates without leaving residues.

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

Brake Cleaner can be used on brakes (drum and disc brakes, brake pads, brake blocks, cylinders, springs and bushings), clutches (clutch linings and components) and on engine parts (carburettors, fuel and oil pumps, gears etc.).

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

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 ▶ 10 L ▶ 28 L
- 15204005 15204010 15204028

*Before use, check surface compatibility



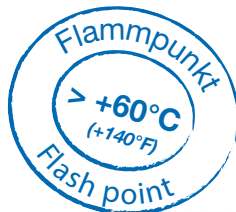
Parts and Assembly Cleaner

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 ▶ 10 L ▶ 28 L
- 15211005 15211010 15211028



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 highpressure 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



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



Recommended application concentration

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

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 ▶ 28 L
- 15580100 15580500 15580005 15580010 15580028



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

Technical Liquids
**Protection
 and Care**



WEICON Pump Dispenser

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

15842001



WEICON Pump Dispenser "Special"

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

15843001

Adhesives / Sealants
 Technical Sprays
 Technical Liquids



Simply find solutions.



weicon.com/app



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 ▶ 10 L ▶ 28 L
- 15150005 15150010 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 ▶ 10 L ▶ 28 L
- 15206005 15206010 15206028

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 ▶ 10 L ▶ 28 L
- 15450005 15450010 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 ▶ 10 L ▶ 28 L
- 15050005 15050010 15050028





WEICON

W 44 T

**löst - verdrängt - beschützt
reinigt - schützt - pflegt**

W 44 T

**loosens - displaces - eliminates
cleans - protects - preserves**

5 l 10 l 28 l

Art. No. 15251008 Art. No. 15251010 Art. No. 15251028

www.weicon.com

Made in the E.C.

DE: W 44 T Multi-Öl ist eine Anwendung in allen Industrie- und Werkstattbereichen. Durch seine spezielle Rezeptur und seine ausgeprägten Vordringfähigkeiten werden Kalkablagerungen, Rostspuren, Verschmutzung, Schmieröl und Konservierung in einem Schritt entfernt.
W 44 T wirkt als allen Rostschutzmittel und führt zu einer verlängerten Einsatzzeit in allen Bereichen (Werkzeug und Automobil, bei Schweißarbeiten, Lacken und Lackentfernung, in Haushalt und Hobby).

Eigenschaften:
Das Nachfettungspflege- und Reinigungsprodukt W 44 T Multi-Öl ist das Ergebnis neuester technologischer Forschung und Entwicklung. Spezielle organische Inhaltsstoffe in einer stabilen Zusammensetzung machen dieses Produkt zu einem sehr wirksamen, für Menschen sich durch einen angenehmen Geruch und hervorragende Verträglichkeit aus und ist sehr geeignet. W 44 T Multi-Öl ist temperaturstabil von -10°C bis +110°C.

Gebrauchsanweisung:
Vorher mit Wasser oder verdünntem Öl (z.B. durch Öl-Sprühflasche, Lötlampen, bei Bedarf neutralisieren).

GB: W 44 T Multi-Öl is an all-round product suitable for use in industry and workshops. For its special formula and its excellent penetrating properties the product cleanses effectively all common problems: cleaning, water displacing, lubrication and conservation. W 44 T Multi-Öl withstands all weathering influences and is therefore suitable for almost all applications in workshops. The sensitive structure, the odour and healthy safety properties, formulated and tested.

Properties:
W 44 T Multi-Öl is a high performance and very efficient cleaning and maintenance agent of latest technical know-how. Its unique and organic ingredients in a special combination make this product so effective and suitable in its use. The special formula also withstands all conditions of friction, excellent cleaning properties and excellent conservation.

W 44 T Multi-Öl is temperature resistant from -10°C up to +110°C.

Directions:
Apply liberally on all areas (e.g. with an Air Pressure Gun). Allow to react for a short time. Repeat if necessary.

WEICON GmbH & Co. KG
Eisenstraße 20, 200
DE 48151 Münster / Germany
Tel. +49 521 492 23 19

Lubricating and Multifunctional Oils

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	▶ 10 L	▶ 28 L
15251005	15251010	15251028



AT 44

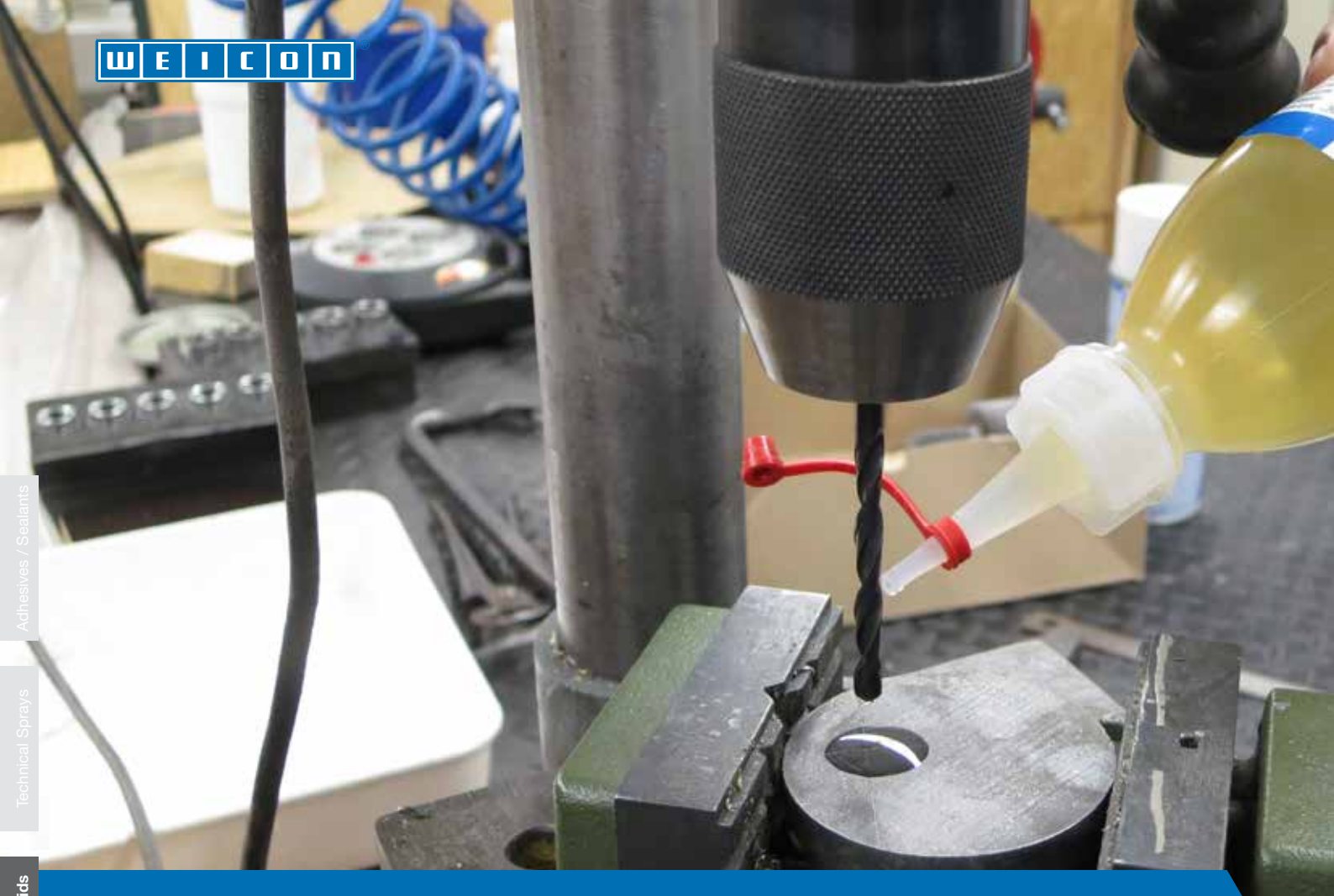
With PTFE super power | silicone-free

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 ▶ 10 L ▶ 28 L
- 15600005 15600010 15600028

Bio-Cut*

Cutting oil for all steel grades

WEICON Bio-Cut is free of mineral oils and biodegradable. Thanks to its particularly high lubricating effect, it enables higher cutting speeds, a longer service life and thus higher performance of cutting tools.

WEICON Bio-Cut can be used for drilling, grinding, milling, grating, sawing, punching and reaming of all kinds of steel, cast iron, stainless steels, copper, brass, aluminium and their alloys in all areas of industry.

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



Technical Liquids

Lubricating and Multifunctional Oils



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 ▶ 10 L ▶ 28 L
- 15350005 15350010 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 ▶ 10 L ▶ 28 L
- 15260005 15260010 15260028

* Not to spray with WSD 400 and WPS 1500. Just for application with paint brush / paint roller.





You can find our Leak Detection Sprays on page 152
[Leak Detectors](#)



Leak Detector



DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | non-corrosive

The agent is used for the fast, convenient and reliable location of leaks (cracks or porous spots) in pressurized pipes.

WEICON Leak Detector does not form any hazardous compounds with carbon dioxide (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 ▶ 10 L ▶ 28 L
- 15400005 15400010 15400028



Leak Detector frost-proof



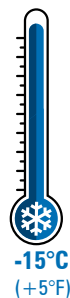
DVGW-approval | foam-forming leak detector according to DIN EN 14291 | non-flammable | non-corrosive | frost-proof up to -15°C (+ 5°F)

The safe, easy and quick way to find leaks or porous spots on gas pipes. Leak Detector frostproof does not form any harmful compounds with these gases: carbon dioxide (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 ▶ 10 L ▶ 28 L
- 15404005 15404010 15404028



Leak Detector viscous



Non-flammable | non-corrosive | 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 ▶ 10 L ▶ 28 L
- 15403005 15403010 15403028



Technical Liquids

WSD 400 Pressurized-Air Spray Can

WSD 400 is a refillable spray for the application of most WEICON Technical Liquids.

The can is fillable with compressed air via an adapter (accessories) from the compressed-air ductwork system (optimum working pressure 7,5 bar).

The following accessories for WSD 400 are available:

- ▶ Adapter for filling from every compressed air system
- ▶ Valve set with four different valves and Ball pump with intake pipe



Pressurized-Air Spray Can WSD 400
15811400

Spray-valve set of 4 pieces
15811002

Adapter
15810001



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

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



	WSD 400	WPS 1500
Container volume:	600 ml	1500 ml
Max. filling amount:	400 ml	1300 ml
Working pressure:	5 - 10 bar	4 bar
Explosion limit:	42 bar	---
Deformation pressure:	26 - 27 bar	---
Material:	Container and spray nozzle made of aluminium	Container made of non-breakable polyethylene; spray nozzle and devices made of polypropylene, fibre optic strengthened polyamide and stainless steel



Technical Data

	Brushable Liquid Zinc Paint	Brushable Liquid Zinc Coating	Aluminium Paint
Colour shade / level of brilliance:	zinc-grey / matt	matching hot-dip galvanizations	aluminium / metallic shine
Binding agents:	epoxy resin ester	alkyd resin	alkyd combination
Pigment:	zinc pigments (D50 4 µm)	zinc and aluminium pigments (D50 25 µm)	aluminium pigments (D50 16 µm)
Pigment purity:	approx. 98,5 %	approx. AL 99,5% and ZN 99,9%	approx. 99,5 %
Specific weight:	1,96 g/cm ³	1,25 g/cm ³	1,00 g/cm ³
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°F to +86°F)	+18°C to +30°C (+64°F to +86°F)	+18°C to +30°C (+64°F to +86°F)
Consumption:	approx. 120 ml/m ²	approx. 120 ml/m ²	approx. 150 ml/m ²
Spray consistency:	10 - 20 % universal thinning	10 - 20 % universal thinning	10 - 20 % universal thinning
Drying time (dust dry):	30 minutes	60 minutes	60 minutes
Hardened*:	12 hours	12 hours	12 hours
Recoatible / can be reprimed*:	12 hours	12 hours	12 hours
Final hardness*:	48 hours	48 hours	48 hours
Minimum layer thickness:	50 µm	30 µm	20 µm
Cross-cut test (DIN 53151):	characteristic value GT 0 to GT 1	characteristic value GT 0 to GT 1	characteristic value GT 0 to GT 1
Salt spray test (DIN EN ISO 9227)	400 hours	200 hours	100 hours
Mandrel bending test, mandrel 5 mm (DIN EN ISO 1519):	no formation of hairline cracks	no formation of hairline cracks	no formation of hairline cracks
Temperature resistance after reaching the final hardness:	approx. +400°C (+752°F)	approx. +240°C (+464°F)	approx. +300°C (+572°F) (from +100°C (+212°F), slight discolourations are possible)
Primer:	not necessary	not necessary	WEICON Brushable Zinc Paint / Brushable Zinc Coating
Shelf life**:	12 - 18 months	12 - 18 months	12 - 18 months
Available in:	375 ml and 750 ml can	375 ml and 750 ml can	375 ml and 750 ml can
Classification in accordance with Directive 2004/42 EC category 'A/I' single component special paints:	< 500 g/l VOC	< 500 g/l VOC	< 500 g/l VOC

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

** With a constant room temperature 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	colourless	almost odourless	to +200°C (+392°F)	24	mineral oil-free, easily biodegradable	WSD 400
Bio-Fluid	colourless	almost odourless	-25°C (-13°F) to +120°C (+248°F)	24	meets requirements of DAB 10, USDA H1, FDA regulations, FDA positive list	---
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	colourless	citrus	---	12	evaporates without leaving residues	WSD 400 and WPS 1500
Corro-Protection	colourless	solvent	-20°C (-4°F) to +80°C (+176°F)	24	TÜV-tested, wax-based	WSD 400 and WPS 1500 (The material must be stirred thoroughly before use.)
Citrus Cleaner	colourless	citrus	---	24	pH-neutral, evaporates without leaving residues	WSD 400 and WPS 1500
Sealant and Adhesive Remover	pink	solvent	---	18	powerful	---
Stainless Steel Care Fluid	colourless	solvent	-20°C (-4°F) to +130°C (+266°F)	24	antistatic effect, especially for outdoor use	WSD 400 and WPS 1500
Electro Contact Cleaner	colourless	almost odourless	---	12	evaporates without residues	WSD 400 and WPS 1500
Label Remover	colourless	citrus	---	12	removes paper and foil labels	WSD 400 and WPS 1500
Mould Cleaner	colourless	citrus	---	12	evaporates without residues	WSD 400 and WPS 1500
Mould Release Agent	colourless	solvent	-20°C (-4°F) to +130°C (+266°F)	24	silicone-free	Pump dispenser, 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 CO ₂	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
Surface Cleaner	colourless	citrus	---	12	evaporates without residues	WSD 400 and WPS 1500
Plastic Cleaner	colourless	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
Cleaner S	colourless	orange	---	12	evaporates without residues	WSD 400 and WPS 1500
Rust Loosener	beige	petroleum	-20°C (-4°F) to +150°C (+302°F)	24	sixfold function	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	---
Fast Cleaner	colourless	solvent	-10°C to +50°C (+14°F to +122°F)	12	NSF-A1 approval	WSD 400 and WPS 1500
Silicone	colourless	solvent	-50°C (-58°F) to +250°C (+482°F)	24	silicone oil	WSD 400 and WPS 1500
Parts and Assembly Cleaner	colourless	solvent	---	24	high flash point (>+60°C/+140°F)	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

* 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.

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WEICON

Anti-Seize High-Tech

Montage-Paste / Assembly Paste



Neutralized Compounds Program - listed #11 Registration: SA1806



ASW 450 · Farbe/Colour: weiß/white
-40°C – +1.400°C (-40°F – +2.552°F)

WEICON

Anti-Seize Montage-Paste

AS 450 · Farbe: anthrazit · -180°C bis +1.200°C



Anti-Seize Assembly Paste

AS 450 · Colour: anthracite · -292°F to +2.192°F

www.weicon.com

All kinds of influencing factors, such as moisture and friction, lead to damage due to corrosion, seizure, and wear on machines and installations. Extensive repair and maintenance work at considerable cost are the result.

Especially under critical conditions of application, such as:

- ▶ high operation temperatures
- ▶ high pressure loads
- ▶ outdoor weather conditions

WEICON Anti-Seize assembly pastes are 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.

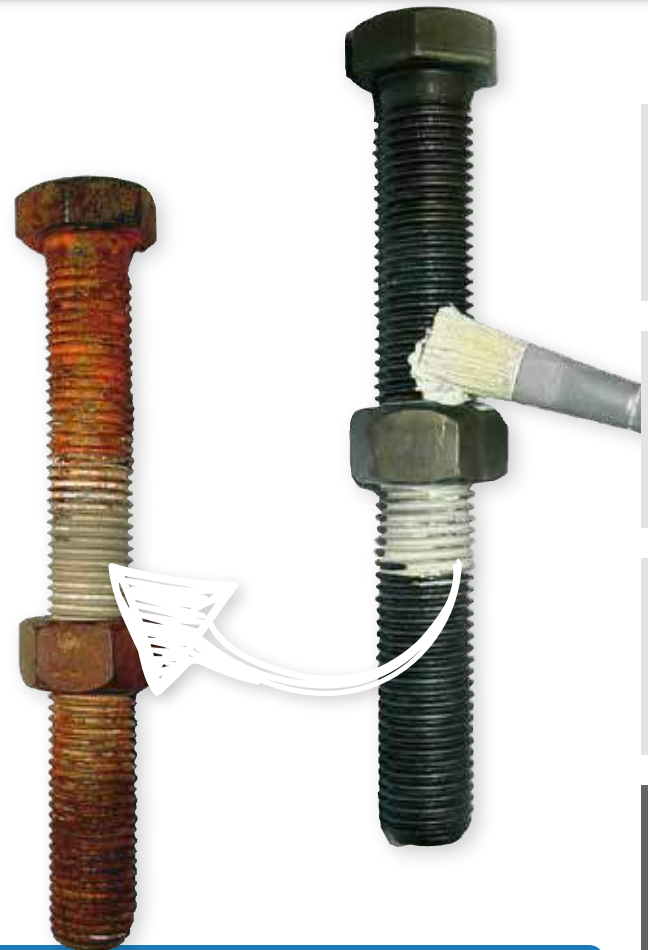
Conventional separating agents or lubricants such as mineral oils and greases often cannot provide sufficient lubrication and protection in difficult industrial environments.

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.

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”)

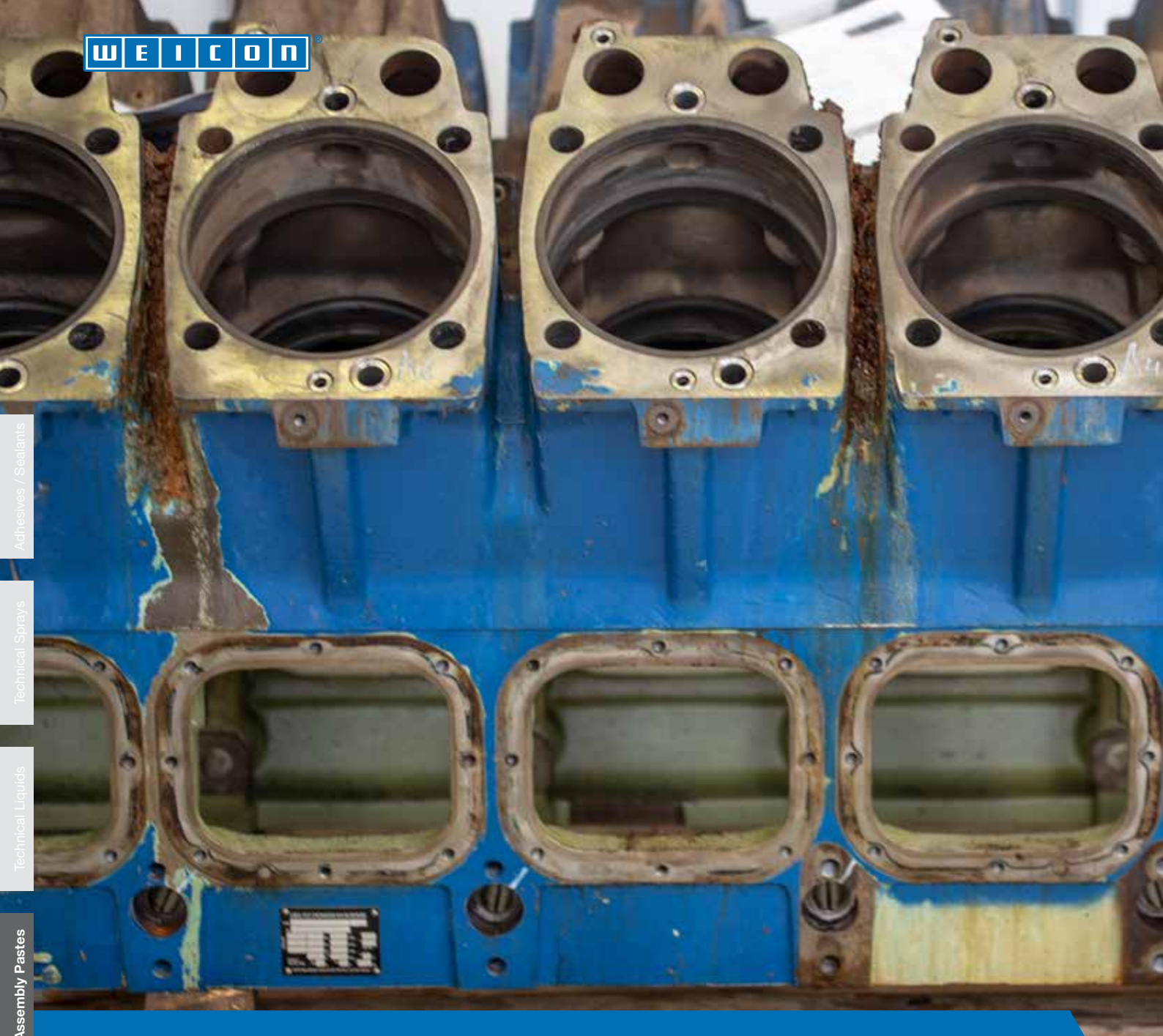
WEICON Anti-Seize is free of halogens, well-adherent and abrasion-proof, and resistant against hot, cold, and salt water. The extremely low friction coefficient also permits easy disassembly from machines and installations.

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

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

Anti-Seize "High-Tech" is particularly suitable when metal-containing pastes can cause electrolytic reactions, when nickel-containing products should or may not be used due to health reasons and when dark metal-containing products should or may not be used for visual reasons.

Anti-Seize

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





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 highperformance fitting grease for static and dynamically extremely stressed screw connections and installation parts and the application at slowly rotating system in the high-temperature range.

The paste protects against corrosion, seizing, wear, stick-slip effects, oxidation and friction corrosion as well as electrolytic reactions, the so-called "cold welding".

For example, Anti-Seize Nickel can be used on seals, valves, screw connections, gear wheels, bearings, jets, conveyor belts, studs, tools or cylinders.

	Copper Paste	Anti-Seize Nickel
▶ 30 g Pen	26200003	-
▶ 120 g Brush top can	26200012	26050012
▶ 85 g Tube	26200085	-
▶ 200 ml Press pack	26200200	-
▶ 400 g Cartridge	26200040	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 - Fluorocacoutchoc	++	++	++	++
NBR - Nitrile butadiene rubber	++	++	++	++
NR - Natural rubber	--	--	--	--
SBR - Styrene butadiene rubber	--	--	--	--
SQM/VMQ - Silicone rubber	++	++	++	++

WEICON Anti-Seize products and their behaviour towards polymer materials

	Anti-Seize	Anti-Seize High-Tech	Copper Paste	Anti-Seize Nickel
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 1/10 mm	310 to 340	310 to 340 1/10 mm
Sulphur content (DIN 51400)	< 0,1%	< 0,1%	< 0,1%	< 0,1%
Water resistance (DIN 51807)	0 - 90	0 - 91	0 - 91	0 - 91
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/mm ² (33.400 psi)	230 N/mm ² (33.400 psi)	230 N/mm ² (33.400 psi)	---
Density at +20°C (+68°F) (DIN 51757)	1,16 g/cm ³	1,42 g/cm ³	1,30 g/cm ³	1,1 g/cm ³
Salt spray test	> 170 h	> 170 h	> 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	---	---
Specific heat capacity	1,325 J/(g•K)	1,574 J/(g•K)	1,493 J/(g•K)	1,713 J/(g•K)
Thermal conductivity (ISO 22007-4)	+20°C (+68°F) 0,546 W/(m•K)	0,675 W/(m•K)	0,582 W/(m•K)	0,392 W/(m•K)
Dielectric strength (DIN EN 60243-1)	1,3 kV/mm	6,3 kV/mm	1,1 kV/mm	1,7 kV/mm

High Performance Greases

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Silicone Grease	189



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

High Performance Greases

Allround Lubricant



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



AL-F

NSF
H1

Allround product

WEICON AL-F can be used to lubricate rolling and sliding bearings, joints, levers, sliding guides, spindles, spline shafts, camshafts, open gears, worm gears and all grease lubrication points, even in the food industry.

- ▶ 350 g ▶ 400 g ▶ 1,0 kg
- 26550035 26550040 26550100
- ▶ 5,0 kg ▶ 25,0 kg
- 26550500 26550925



AL-H

NSF
H2

High-temperature-resistant | odourless and tasteless

WEICON AL-H is suitable for rolling bearings, sliding bearings, joints, spindles, spline shafts and linear guidance systems at all sliding speeds permitted for grease lubrication.

WEICON AL-H is particularly suited for usage in foodstuff technology.

- ▶ 400 g ▶ 1,0 kg ▶ 5,0 kg
- 26500040 26500100 26500500
- ▶ 25,0 kg
- 26500925

AL-T

High-temperature grease | long-term lubrication

WEICON AL-T high performance grease is a universally usable high-temperature grease for long-term lubrication. WEICON AL-T is suitable for rolling and sliding bearings, joints, levers, sliding guides, spindles, spline shafts and at all sliding speeds permitted for grease lubrication.

- ▶ 400 g ▶ 1,0 kg ▶ 5,0 kg
- 26600040 26600100 26600500
- ▶ 25,0 kg
- 26600925

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 ▶ 1,0 kg ▶ 5,0 kg
- 26400040 26400100 26400500
- ▶ 25,0 kg
- 26400925

AL-W

Special lubricant for underwater applications

AL-W high performance grease is a special lubricant and corrosion protection which can also be used for underwater applications.

WEICON AL-W offers effective protection against aggressive liquids such as sea or wastewater, both in the maritime sector and in wet plants. WEICON AL-W is suitable for rolling and sliding bearings even in mixed friction operation, for joints, levers, sliding guides, spindles, spline shafts, open gears, worm gears, chains and wire cables and at all sliding speeds permitted for grease lubrication.

- ▶ 400 g ▶ 1,0 kg ▶ 5,0 kg
- 26450040 26450100 26450500
- ▶ 25,0 kg
- 26450925



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.

- ▶ 5 g ▶ 85 g ▶ 400 g ▶ 450 g
- 26350005 26350085 26350040 26350045
- ▶ 1,0 kg ▶ 5,0 kg ▶ 25,0 kg
- 26350100 26350500 26350925

*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" (DGUV information 213-078) of BG RCI

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.





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
Specific heat capacity	+20°C (+68°F)	1,490 J/(g*K)	1,766 J/(g*K)	1,762 J/(g*K)	1,838 J/(g*K)	1,832 J/(g*K)	1,295 J/(g*K)
Thermal conductivity (ISO 22007-4)		0,372 W/(m*K)	0,491 W/(m*K)	0,494 W/(m*K)	0,394 W/(m*K)	0,524 W/(m*K)	0,445 W/(m*K)
Dielectric strength (DIN EN 60243-1)		11,0 kV/mm	11,5 kV/mm	9,5 kV/mm	29,6 kV/mm	7,8 kV/mm	9,2 kV/mm
Shelf life at least (months)*:		24	24	24	24	24	24

Type selection table

	AL-T	AL-M	AL-W	AL-H	AL-F	Silicone Grease
Rolling bearings	•	•	•	•	•	
Sliding bearings	•	•	•	•	•	
Chains			•			
Joints	•	•	•	•	•	•
Lever	•	•	•	•	•	•
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 - Polyoxymethylene	++	++	++	++	++	++
PP - Polypropylene	++	++	++	++	++	++
Polyphenylene oxide	++	++	++	++	++	++
PS - Polystyrene	+	+	+	++	+	++
PTFE - Polytetrafluor ethylene	++	++	++	++	++	++
PUR - Polyurethane	+	+	+	++	+	++
PVC - Polyvinylchloride	++	++	++	++	++	++
TPE - Thermoplastic elastomers	0	0	0	0	0	++

++ resistant + resistant to a limited extent 0 not tested, preliminary trials or resistance tests are recommended – not resistant

The stated resistance levels are based on laboratory tests and literature notices. A guarantee cannot be provided due to the large number of raw materials used on the one hand and the complex chemical and morphological structure of the polymers on the other. In critical application cases we recommend that you carry out tests and/or consult with our application technology department.



MESSERSTAHL
Qualität aus Solingen



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

Cable Strippers

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WEICON TOOLS®

Stripping Tools



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



Member of the German Tool Industry Association

WEICON TOOLS®

We develop, manufacture and distribute high-quality wire stripping and other special tools for the industry and professional users and can 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 keep us informed about new developments in their work processes and, that way, provide us with 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.

Have a look at our
WEICON-TOOLS®



VIDEO

New Design





Have a look at our
WEICON-TOOLS®



Cable Strippers

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

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



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



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other



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



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.



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Our Bestseller

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

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PRAXISTEST
Kategorie: Ader-Abisoler-Werkzeuge
SEHR GUT (1,3)
2 Produkte mit SEHR GUT

TESTSIEGER
Ausgabe 04/2018
11 Produkte im Test
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1000 V
IEC: 60900

No. 6

Working under voltage up to 1000 Volt*
Unit testing according to DIN EN 60900

- ▶ fully insulated, automatic Wire Stripper
- ▶ precise work with adjustable length stop (5 - 12 mm)
- ▶ 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!

Have a look at our
WEICON-TOOLS®



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



Stripping Tools

Our stripping tools allow a range of different cables to be safely and conveniently stripped.

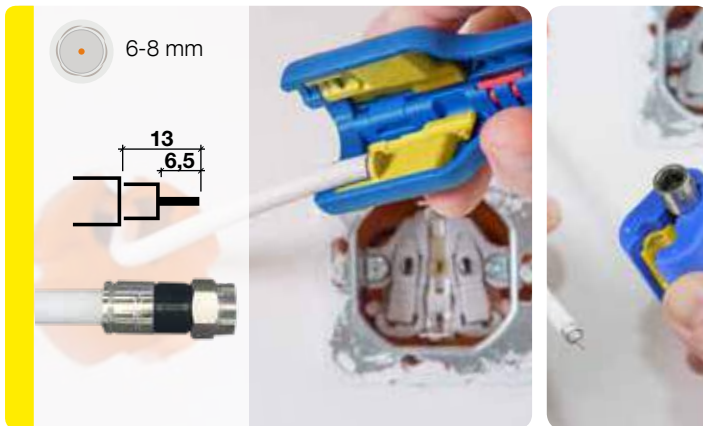
The flexible tools can even be reliably used in hard-to-reach areas and always provide precise results.

Coax-Stripper No. 1 F Plus **NEW**

Quick dismantling and stripping of coaxial cables with only one working step

- ▶ space-saving assembly and disassembly of F-connectors due to integrated open hexagon wrench with 11 mm width across flats
- ▶ gripping jaws for screwing F-connectors onto the cable
- ▶ changeable module inserts via click system

DBGM 20 2017 107 094



mm	g		Ømm	Art.-No.
125	47	Yellow	6,0 - 8,0	52001001
125	47	Red	6,0 - 8,0	52000001
125	47	Grey	4,0 - 5,0	52002001

*for mini coaxial cables

For further information and illustrations, take a look at page 213 with our spare parts!



You can find our
LSA Sensor No. 40
on page 209



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



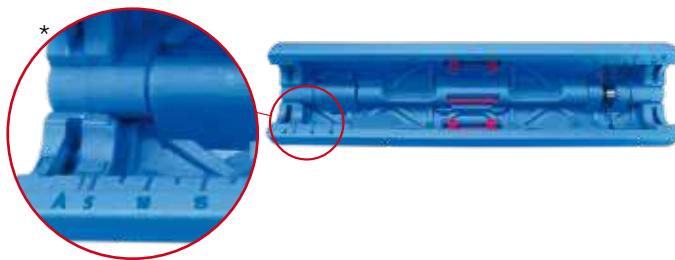
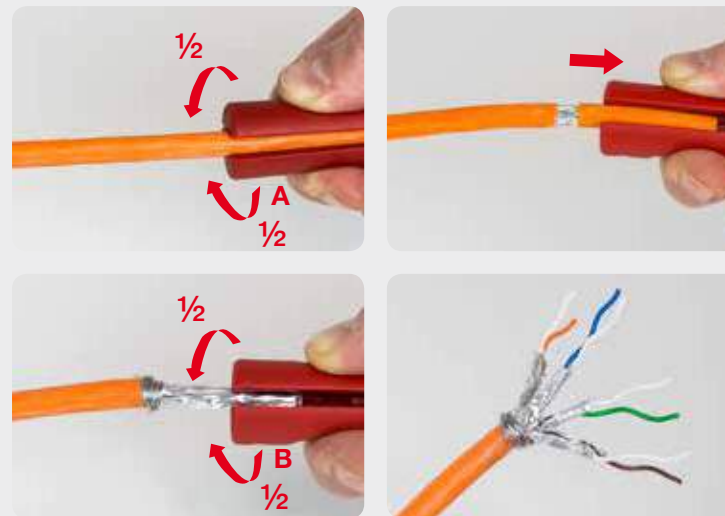
Stripper No. 2 Cat NEW



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	-	4,5 - 10	52002002



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



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.

Round Cable Stripper No. 13

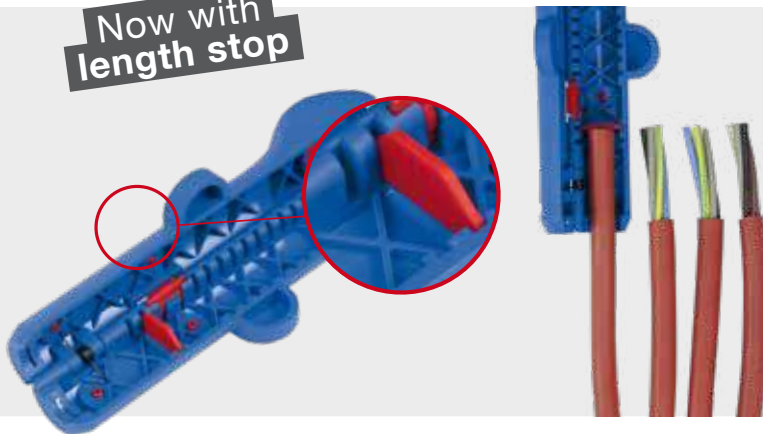
Safe work with the ergonomic anti-slip handle shape

- ▶ 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



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



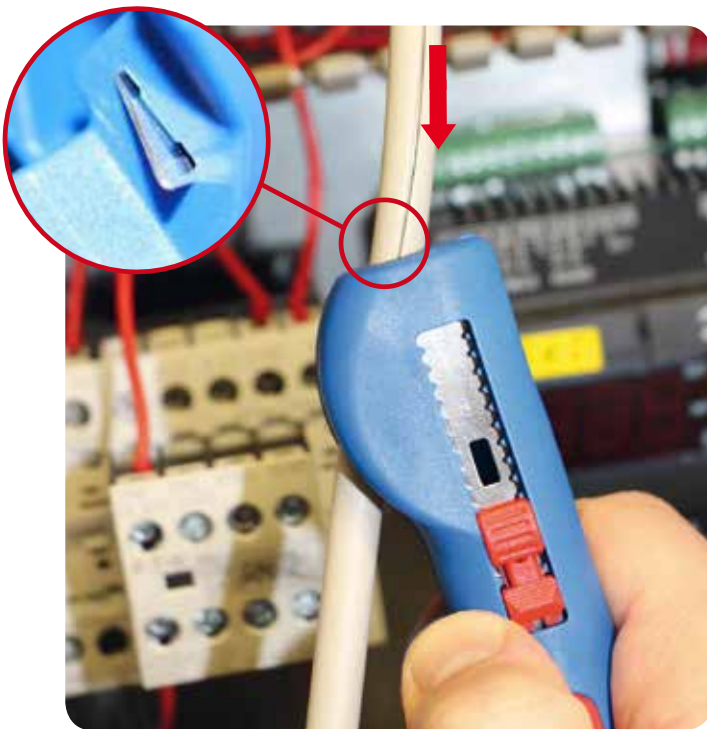


Quadro-Stripper No. 16

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



"No. 16, 13 and 10 are particularly easy to handle thanks to their design. The ergonomic design ensures a safe gripping of the tool, so you won't slip off.

This makes daily work easier and also increases work safety."

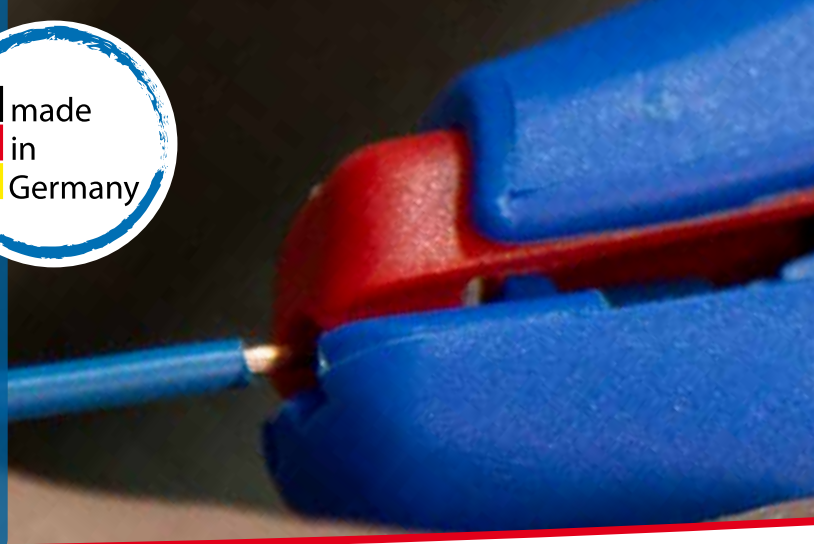
Stephan Krampe, Managing Director
Krampe GmbH & Co.KG



Multi-Purpose Strippers

WEICON TOOLS multi-purpose strippers provide various functions: circular and longitudinal stripping, dismantling and cutting.

This allows professional dismantling and stripping with just one tool.



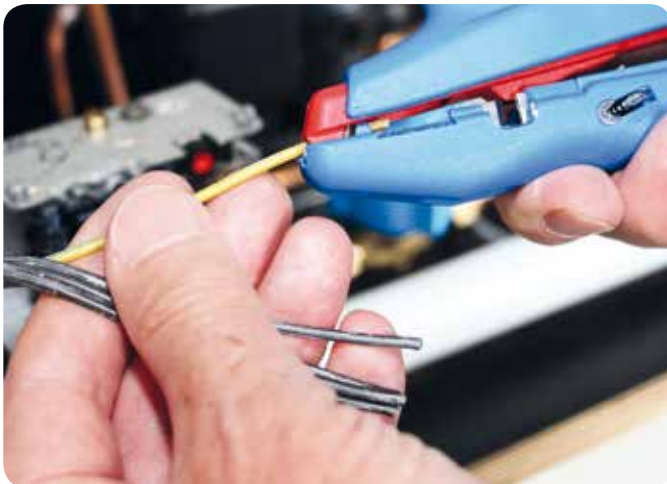
Duo-Crimp No. 300

Stripping and crimping with just one tool

- ▶ insulation removal from 0,5 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





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

Ø 4 - 10 mm

1



2



3



4

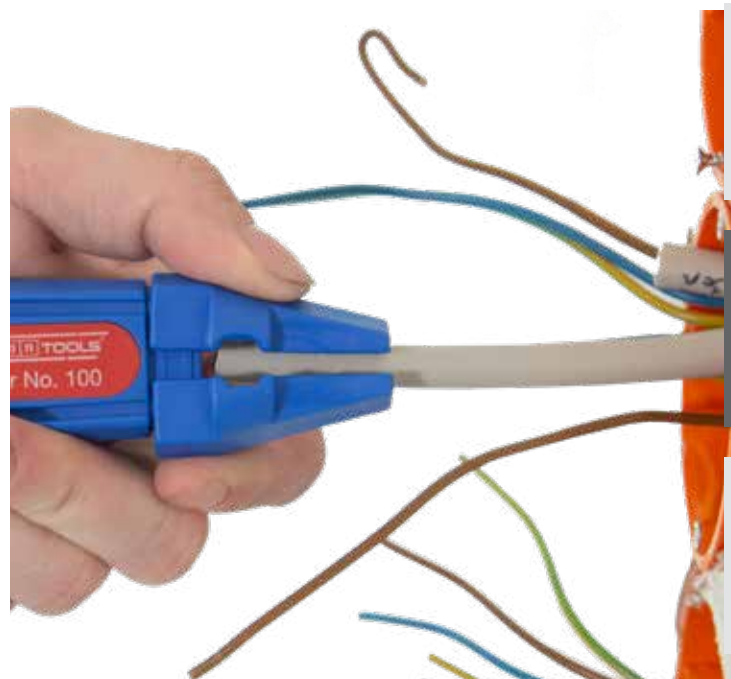


Stripper No. 100

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



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.



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



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





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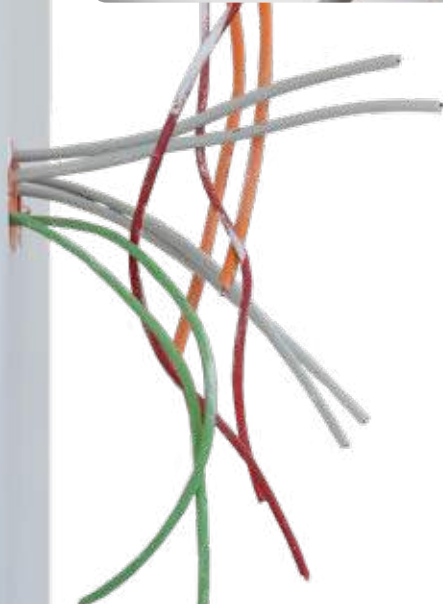


**Multi-Stripper
No. 400**

**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



Special Tools

For a series of unusual applications, we provide you with special tools which meet these requirements. Whether it is the dismantling of large cable diameters, tools for the solar industry or working on high voltage cables, WEICON TOOLS has the solution!



Especially for the solar sector



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

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

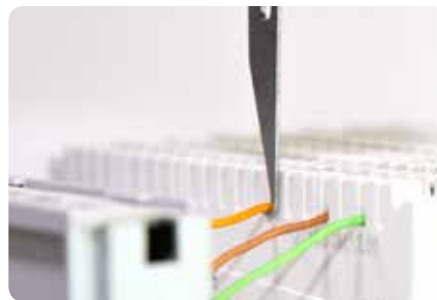


LSA Sensor No. 40 NEW

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
- ▶ 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

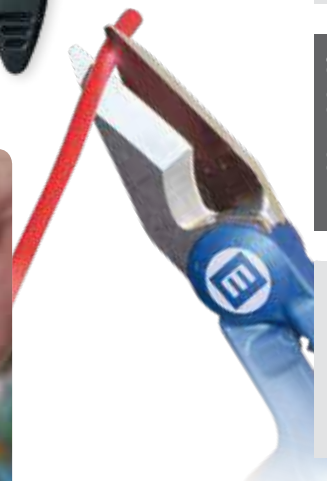


Cable Scissors No. 35

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



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



Special Tools

For a series of unusual applications, we provide you with special tools which meet these requirements. Whether it is the dismantling of large cable diameters, tools for the solar industry or working on high voltage cables, WEICON TOOLS has the solution!

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	mm	mm	Art.-No.
210	163	>25 mm	0 - 5,0 mm	52000025



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Cable Stripper H.D. No. 1000

1000 V
IEC: 60900



Working under voltage up to 1000 Volt*
Unit testing according to DIN EN 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!



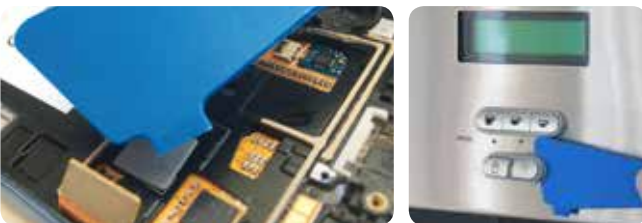
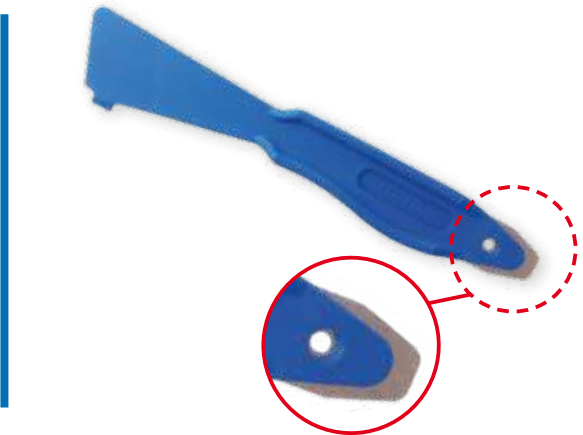


Multi-Opener

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. $10^9 \Omega$	52800000



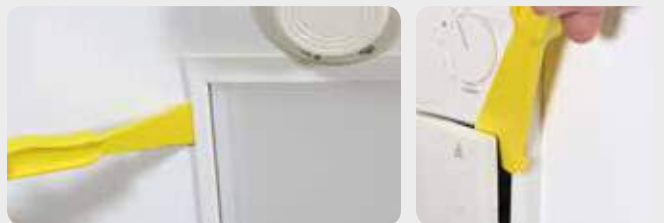
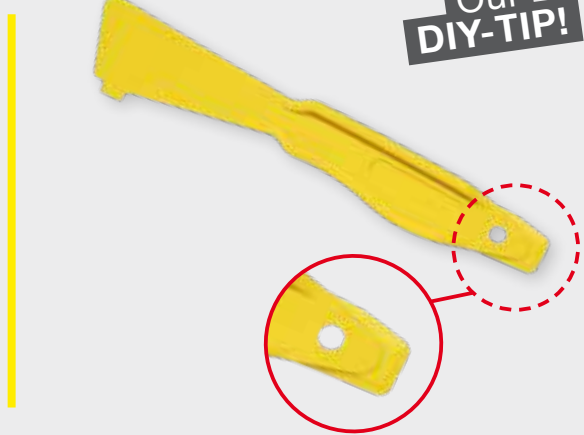
Easy Opener®



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



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Tool Sets

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



Crimp-Set Pro

Allround equipment for crimping with wire ends

- ▶ Duo-Crimp No. 300
- ▶ Wire Stripper No. 7 Magic
- ▶ high-quality shaker with 400 wire ends (0,5 - 2,5 mm²) according to DIN 46228



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

Starter-Set Pro

Ideal selection for house installation

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

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

Our Electrical Installation Sets

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



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



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

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	
52100010	Inserts for No.1 F Plus 6/4	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 elastomeres 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-Aktivator Spray	150 ml	Accelerates the curing time of WEICON Contact Cyanoacrylate Adhesives.	12500150
CA-Aktivator 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		15207028
Activator F Spray	200 ml	Pre-treatment with WEICON Activator F can reduce the curing time considerably. The Activator is recommended for all passive surfaces as well as for low ambient temperatures (< +10°C/+50°C) and for large bonding gaps.	30700200
Activator F Liquid	1 L	On non-metallic surfaces, only the Activator enables WEICONLOCK to cure. To achieve fast curing on passive surfaces even if no activator is or ought to be used, we recommend the use of the types AN 302-44, AN 302-60, AN 302-80, AN 306-10 and AN 306-30. The initial strength is reached faster than with the standard types (without Activator).	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
Double Nozzle	Multifunctional spray head for exact dosage in areas difficult to access. Suitable for more than 45 WEICON sprays.	11953058
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
Press Pack Dosing Tip	Dosing tip for the WEICON products Plast-o-Seal, Flex+bond, Black-Seal, Anti-Seize and Copper Paste in the press pack.	13955072
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



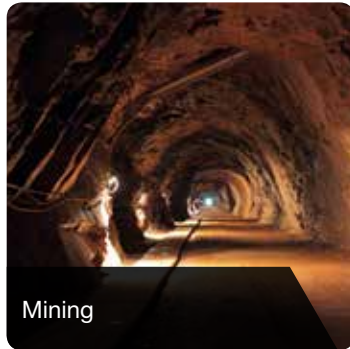
Adhesives / Sealants
 Technical Sprays
 Technical Liquids
 Assembly Pastes
 Lubricants
 WEICON TOOLS®
 Other



Agricultural Technology



Building Trades



Mining



Stainless Steel



Electrical Installation



Energy Technology



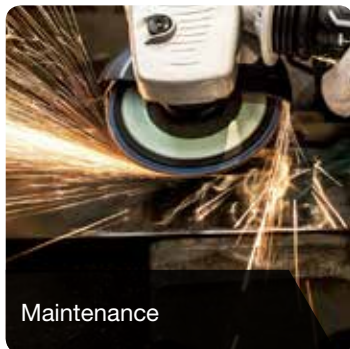
Automotive and Transport



Rubber and Plastic Industry



Hydraulics and Pneumatics



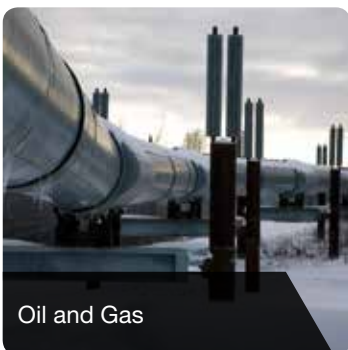
Maintenance



Food, Pharmaceutical and Cosmetic Industry



Mechanical Engineering



Oil and Gas



Marine Industry



Tooling, Model and Mould Making Industry



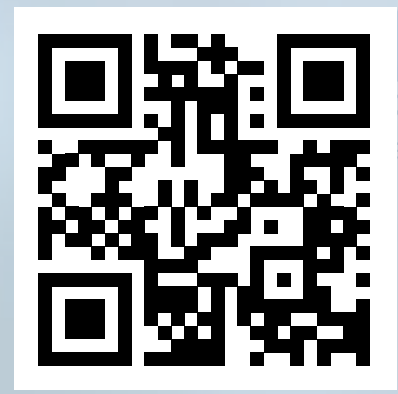
Occupational Safety and Process Optimization



Application Areas



Simply find solutions.



www.weicon.com/app

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



Floor and Foam Displays

Equipment suggestion. Supply of the displays is without products.

2170 mm

505 mm

Display WEICON Spray
11951080

2210 mm

505 mm

Display WEICONLOCK Pen
30951080

2330 mm

505 mm

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



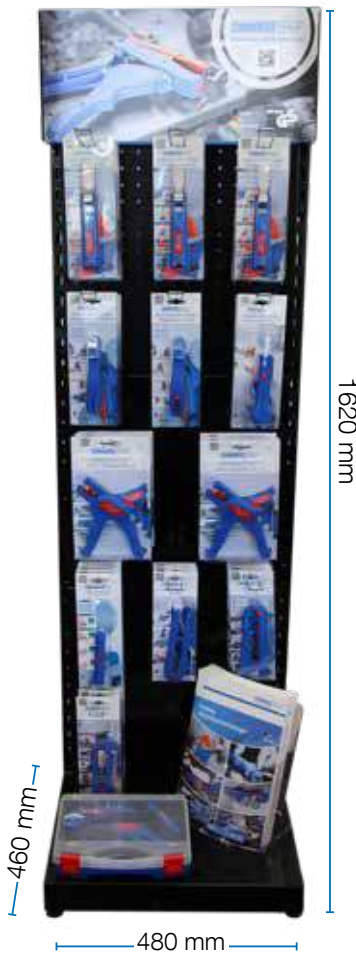
Cartridges 310 ml
half oval
13951096



Tubes 85 ml
half oval
13951097

Product Presentation

Floor Displays



WEICONTOOLS Shelf System
50952000

WEICONTOOLS Shelf System
with LED-light
50952000-LICHT



Floor Display Universal
11951078

Roll-Ups

Roll-Up WEICON
99951073

Roll-Up WEICON TOOLS
99951078



Counter Displays



Display
500 ml Spray 11951079
400 ml Spray 11951082

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

Inlay 500 ml
W 44 T 11951096



Sales Display Double Syringe
10951060

Inlay
10950155-D

Product Presentation



Brochure Display Stand



Brochure Display Stand
 DIN A4
 99951038



Brochure Display Stand
 DIN Lang Fourfold
 99951042



Brochure Display Stand
 (wire) DIN A4 Fourfold
 99960053



Brochure Display Stand
 Shelf System
 99951041



Brochure Display Stand
 Small DIN A5
 99955213



Brochure Display Stand
 Shelf System DIN A4
 99951049

Equipment suggestion. Supply of the displays is without products.

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

Adhesives / Sealants

Technical Sprays

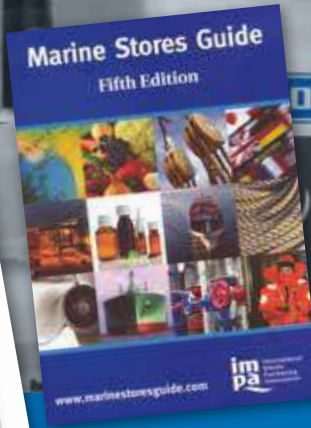
Technical Liquids

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, Silicone LP WEICONLOCK SI 303-31, Contact VA 20, VA 100, VA 8312 and VA 8406 as adhesives in the foodstuff technology.



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

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 Allround Lubricant AL-F, Top Lube Fluid, PTFE Fluid Fast Cleaner, Foam Cleaner
Lubricants H2: Solvent cleaner A1: Industrial Cleaner



Certified to
NSF/ANSI 61

Solvent cleaner K1, K3: 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, Multi
Other P1: SI 303-31, CA Activator Spray, CA Activator Spray AC,
WEICONLOCK AN 305-77, Silicone LP
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 Shipsuppliers & 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.

References/Certificates

Top Products

Certified for quality, technology and safety

Russian Maritime Register of Shipping

WEICON is inspected every three years by one expert each for high-sea navigation as well as inland shipping of the Russian Maritime Register of Shipping.

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, Leak Detection Spray Frost-proof and Leak Detection Spray Viscous 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” (DGV information 213-078) of BG RCI AN 302-75, AN 305-77, AN 305-78, AN 306-20, AN 306-30, AN 305-10 and Thread Sealing Cord DF 175, Silicone Grease

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

Silicone: Silicone LP

WRAS

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

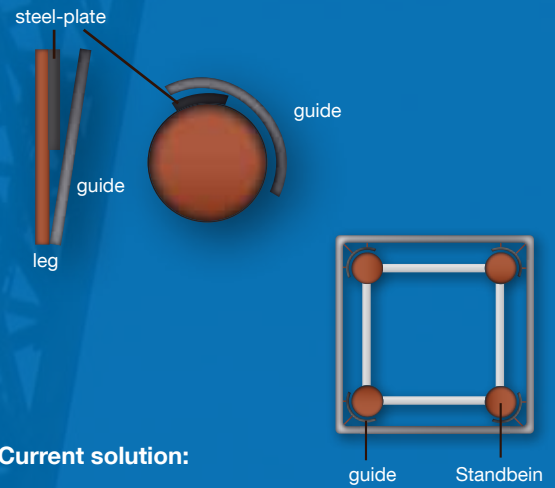




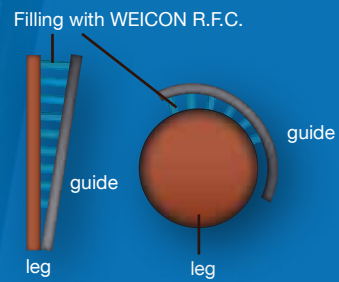
Securing the transport of an oilrig with WEICON Plastic Metal RFC, a specially developed type for extreme requirements in the off-shore sector.

1.500 – 2.000 kg of WEICON Plastic Metal RFC are used for each transport job.

Previous solution:



Current solution:



Offshore

Transport of an Oilrig



Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

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



Filtech



Adipec, Dubai



MITEX, Moskau



Fabtech, Chicago



Eisenwarenmesse, Cologne



Kermarine, Busan

Adhesives / Sealants

Technical Sprays

Technical Liquids

Assembly Pastes

Lubricants

WEICON TOOLS®

Other

Adhering Grease extra strong	149	Leak Detector viscous (Liquid)	176	WEICONLOCK AN 305-11	67
Adhesive Spray	151	Metal-Fluid (Liquid)	168	WEICONLOCK AN 305-18	74
Adhesive Spray extra strong	151	Metal-Fluid (Spray)	138	WEICONLOCK AN 305-42	68
Adhesive Spray for detachable joints	151	Mould Cleaner (Liquid)	164	WEICONLOCK AN 305-67	68, 74
AL-F	188	Mould Cleaner (Spray)	134	WEICONLOCK AN 305-72	68, 75
AL-H	188	Mould Release Agent (Liquid)	171	WEICONLOCK AN 305-73	75
AL-M	189	Mould Release Agent (Spray)	143	WEICONLOCK AN 305-74	75
AL-T	188	Mounting Tape	118	WEICONLOCK AN 305-77	68
AL-W	189	Multi-Foam	135	WEICONLOCK AN 305-78	69
Allround Sealing Spray	154	Parts and Assembly Cleaner (Liquid)	166	WEICONLOCK AN 305-86	69
Alu Grinding Protection	143	Parts and Assembly Cleaner (Spray)	134	WEICONLOCK AN 306-00	70
Aluminium Minute Adhesive	42	Pipe Repair Kits	32	WEICONLOCK AN 306-01	70
Aluminium Paint	162	Plastic Metal WEICON A	21	WEICONLOCK AN 306-03	71
Aluminium-Spray A-100	126	Plastic Metal WEICON B	21	WEICONLOCK AN 306-10	71
Aluminium-Spray A-400	126	Plastic Metal WEICON BR	22	WEICONLOCK AN 306-20	71
Anti-Friction Spray MoS2	147	Plastic Metal WEICON C	21	WEICONLOCK AN 306-30	71
Anti-Seize	182	Plastic Metal WEICON Casting Resin MS 1000	26	WEICONLOCK AN 306-38	72
Anti-Seize Assembly Spray	150	Plastic Metal WEICON CBC	30	WEICONLOCK AN 306-40	72
Anti-Seize Assembly Spray High-Tech	150	Plastic Metal WEICON Ceramic BL	23	WEICONLOCK AN 306-41	72
Anti-Seize High-Tech	182	Plastic Metal WEICON Ceramic W	24	WEICONLOCK AN 306-48	73
Anti-Seize Nickel	184	Plastic Metal WEICON F	22	WEICONLOCK AN 306-60	73
Anti-Spatter Spray	143	Plastic Metal WEICON F2	22	WEICONLOCK SI 303-31	67
Aqua-Flex	105	Plastic Metal WEICON HB 300	22	WEICONTOOLS Cable Scissors No. 35	209
AT-44 (Liquid)	173	Plastic Metal WEICON HP	25	WEICONTOOLS Cable Stripper H.D. No. 1000	210
AT-44 (Spray)	145	Plastic Metal WEICON SF	23	WEICONTOOLS Cable Stripper No. 28 - 35	197
Belt Dressing Spray	139	Plastic Metal WEICON ST	26	WEICONTOOLS Cable Stripper No. 35 - 50	197
Bio Welding Protection	171	Plastic Metal WEICON TI	23	WEICONTOOLS Cable Stripper No. 4 - 16	197
Bio-Cut (Liquid)	174	Plastic Metal WEICON UW	25	WEICONTOOLS Cable Stripper No. 4 - 28 G	197
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