

Anti-Seize Assembly Paste



Reliable protection against corrosion, seizing and cold welding

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

Anti-Seize is used as a protection, re-release 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").

Technical Data

Base	Synthetic oil mixture	
Colour	anthracite	
Density	(+20°C) DIN 51757	1,16 g/cm ³
Silicone-free	yes	
Four ball weld test property load	DIN 51350	4.200 N
Four ball weld test weld load	DIN 51350	4.400 N
Four ball weld test calotte value	DIN 51350 (1min/1000N)	0,5 mm
Cone penetration	DIN ISO 2137	310 - 340 1/10 mm
Water resistance	DIN 51807	0 - 90
Heat capacity	DIN EN ISO 22007-4	1,325 J/(g·K)
Thermal conductivity	0,546 W/m·K	
Dielectric strength	DIN EN 60243-1 (20°C)	1,3 kV/mm
Salt spray test	DIN EN ISO 9227	> 170 h
Resistance	DIN EN 62631-3-1	1,2 x 10 ¹⁵ Ω·cm
Sulphur content	DIN 51400	<0,1 %
Compressive strength	230 MPa	
Temperature conductivity	0,355 mm ² /s	
Temperature resistance	-180°C to 1,200°C	

Friction values

Friction values steel-blank (M10 10.9)		
Total friction coefficient	0,11 (min. 0,10)	
Friction coefficients threads	0,13 (min. 0,11)	
Friction coefficient head	0,10 (min. 0,09)	
Friction value V4A (M10 A4 70)		
Total friction coefficient	0,13 (min. 0,12)	
Friction coefficients threads	0,15 (min. 0,12)	
Friction coefficient head	0,12 (min. 0,11)	
Friction value steel electro-galvanized (M10 10.9)		
Total friction coefficient	0,09 (min. 0,09)	
Friction coefficient threads	0,10 (min. 0,09)	
Friction coefficient head	0,09 (min. 0,08)	

Approvals / Guidelines

ISSA Code	53.402.71/72/73/74/75/ 76/77/78/79/80
IMPA Code	450871/72/73/74/75/76/ 77

Surface pre-treatment

First clean the surface to be lubricated with WEICON Cleaner S, depending on the degree of soiling. If screws have already been used, process with the wire brush and clean with WEICON Cleaner S.

Processing

Clean and degrease surfaces with WEICON Cleaner Spray S. Apply a good quantity of assembly paste with a brush, cloth or sponge. On threads it is important that assembly paste is applied down to the thread root and up to the bottom of the screw head to ensure a good sealing effect. Assembly paste must not be mixed with greases or oils to avoid changes in the material characteristics. Assembly paste does not replace oil or grease lubrication.

Storage

Store in tightly closed original container. Do not store with oxidising agents. Store at room temperature in a dry place. Original sealed containers have a shelf life of 24 months.

Instructions for use

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Note

The specifications and recommendations given in this technical data sheet 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 guarantee the continuously high quality of our products. 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.

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz

WEICON GmbH & Co. KG
(Headquarters) Germany
phone +49 (0) 251 9322 0
info@weicon.de

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com

WEICON South East Asia Pte Ltd
Singapore
Phone (+65) 6710 7671
info@weicon.com.sg

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es

WEICON Italia S.r.l.
Italy
phone +39 (0) 10 2924 871
info@weicon.it

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr

Anti-Seize Assembly Paste

Available sizes

10000170	Anti-Seize Assembly Paste, 10 g, anthracite
10000172	Anti-Seize Assembly Paste, 120 g, anthracite
10000173	Anti-Seize Assembly Paste, 0,4 kg, anthracite
10000175	Anti-Seize Assembly Paste, 0,45 kg, anthracite
10000177	Anti-Seize Assembly Paste, 1 kg, anthracite
10000178	Anti-Seize Assembly Paste, 1,8 kg, anthracite
10000181	Anti-Seize Assembly Paste, 5 kg, anthracite
10000182	Anti-Seize Assembly Paste, 10 kg, anthracite
10000183	Anti-Seize Assembly Paste, 20 kg, anthracite
10015175	Anti-Seize Assembly Paste, 30 g, anthracite
10025465	Anti-Seize Assembly Paste, 200 ml, anthracite
10028921	Anti-Seize Assembly Paste, 0,5 kg, anthracite
10047467	Anti-Seize Assembly Paste, 85 g, anthracite
10059393	Anti-Seize Assembly Paste, 50 g, anthracite

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

To the product detail page:



Note

The specifications and recommendations given in this technical data sheet 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 guarantee the continuously high quality of our products. 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.

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz

WEICON GmbH & Co. KG
(Headquarters) Germany
phone +49 (0) 251 9322 0
info@weicon.de

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com

WEICON South East Asia Pte Ltd
Singapore
Phone (+65) 6710 7671
info@weicon.com.sg

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es

WEICON Italia S.r.l.
Italy
phone +39 (0) 010 2924 871
info@weicon.it

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr