

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, 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/cm³
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 mm²/s	
Temperature resistance	-180°C to 1,200°C	
Minimum shelf life	at room temperature	24 mon.

Note

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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	
MIL-Spec	complies with	MIL-T-83523

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.

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.

Application

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

Keep tightly closed in original packaging. Protect from direct sunlight. The storage temperature must not exceed +50 °C. Keep container in a cool, well-ventilated place. Store in a dry place.

Anti-Seize Assembly Paste

Assembly Pastes

Available sizes

10000170	Anti-Seize Assembly Paste, 10 g, anthracite
10015175	Anti-Seize Assembly Paste, 30 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
10028921	Anti-Seize Assembly Paste, 0,5 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
10025465	Anti-Seize Assembly Paste, 200 ml, anthracite
10047467	Anti-Seize Assembly Paste, 85 g, anthracite

Conversion table

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

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