

Anti-Seize Nickel Assembly Pastes

Assembly Pastes



Assembly paste for extreme conditions

The assembly paste was developed to resist extreme conditions. It has high adhesive strength, is water-repellent and resistant to fresh, salt and hot water as well as steam. The high amount of nickel components also provides protection against corroding and corrosive solvents, which are contained in diluted hydrochloric acid, sulphur or nitric acid, among others. WEICON Anti-Seize Nickel can be applied at a large temperature range between -30 °C and 1,450 °C. Anti-Seize Nickel serves as corrosion protection and high-performance assembly paste for screw connections and assembly parts exposed to extremely high static and dynamic stresses as well as for slowly rotating installations 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. Anti-Seize Nickel can be used on seals, valves, screw connections, gear wheels, bearings, jets, conveyor belts, studs, tools or cylinders.

Technical Data

Base	Synthetic oil	
Colour	anthracite	
Density	(+20°C) DIN 51757	1,3 g/cm ³
Four ball weld test weld load	DIN 51350	2.000 N
Four ball weld test calotte value	DIN 51350 (1min/1000N)	0,6 mm
Cone penetration	DIN ISO 2137	310 - 340 1/10 mm
Water resistance	DIN 51807	1 - 90
Heat capacity	DIN EN ISO 22007-4	1,493 J/(g·K)
Thermal conductivity		0,582 W/m·K
Dielectric strength	DIN EN 60243-1 (20°C)	1,1 kV/mm
Salt spray test	DIN EN ISO 9227	> 170 h
Sulphur content	DIN 51400	<0,1 %
Compressive strength		230 MPa
Temperature conductivity		0,303 mm ² /s
Temperature resistance		-30°C to 1,450°C

Note

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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 571
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

Friction values

Friction values steel-blank (M10 10.9)	
Total friction coefficient	0,12 (min. 0,11)
Friction coefficients threads	0,14 (min. 0,12)
Friction coefficient head	0,11 (min. 0,10)
Friction value V4A (M10 A4 70)	
Total friction coefficient	0,15 (min. 0,13)
Friction coefficients threads	0,20 (min. 0,16)
Friction coefficient head	0,11 (min. 0,10)
Friction value steel electro-galvanized (M10 10.9)	
Total friction coefficient	0,11 (min. 0,10)
Friction coefficient threads	0,13 (min. 0,11)
Friction coefficient head	0,10 (min. 0,08)

Approvals / Guidelines

ISSA Code	53.402.28
IMPA Code	450843

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.

Available sizes

- 10000186 Anti-Seize Nickel Assembly Pastes, 0,45 kg, anthracite
- 10000194 Anti-Seize Nickel Assembly Pastes, 120 g, anthracite
- 10047560 Anti-Seize Nickel Assembly Pastes, 0,5 kg, anthracite

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Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{mm}/25.4 = \text{inch}$
 $\mu\text{m}/25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N}/\text{mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$

$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$
 $\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
 $\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

To the product detail page:



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