

Anti-Seize Nickel 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.

Anti-Seize

Assembly Pastes

Technical Data

Base	Synthetic oil
Colour	anthracite
Density	(+20°C) DIN 51757 1,3 g/cm³
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 mm²/s
Temperature resistance	-30°C to 1,450°C
Minimum shelf life	at room temperature 24 mon.

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
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.

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.

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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.

Available sizes

10000194	Anti-Seize Nickel Assembly Pastes, 120 g, anthracite
10000185	Anti-Seize Nickel Assembly Pastes, 0,4 kg, anthracite
10000186	Anti-Seize Nickel Assembly Pastes, 0,45 kg, anthracite
10047560	Anti-Seize Nickel Assembly Pastes, 0,5 kg, anthracite
10000192	Anti-Seize Nickel Assembly Pastes, 1 kg, anthracite
10000187	Anti-Seize Nickel Assembly Pastes, 1,8 kg, 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:



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