

# Anti-Seize Nickel Assembly Paste



Sulfur content (DIN 514)	<0,1 %
Water resistance (DIN 51807)	1 - 90
Pressure (DIN 53281-83)	230 N/mm <sup>2</sup>
Salt spray test	> 170 h
Temperature resistance	-30 to 1.450 °C

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

## Technical Data

Basic Oil	Synthetic oil
Colour	anthracite
Density at +20°C (+68°F) (DIN 51757)	1,3 g/cm <sup>3</sup>
OFW device coefficient of friction	0,16
Friction total	0,15 µ
Friction thread	0,14 µ
Friction head bottom	0,16 µ
VKA-TEST (DIN 51350) welding load	2000 N
VKA-TEST (DIN 51350) Spherical cap value (1Min/1000N)	0,6 mm
Worked penetration (DIN ISO 2137)	310 - 340 1/10 mm
Specific heat transfer capacity (20°C)	1,493 J/(g·K)
Thermal diffusivity (20°C)	0,303 mm <sup>2</sup> /s
Thermal conductivity (ISO 22007-4) (20°C)	0,582 W/m·K
Dielectric strength (DIN EN 60243-1) (20°C)	1,1 kV/mm

## 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.

## Surface pre-treatment

Clean and degrease surfaces. Apply the assembly paste evenly. AS is suitable only for assembly paste specific applications, it does not replace pure lubricants and greases.

## Processing

Apply a good quantity of Assembly Paste with a brush, cloth or plastic sponge. On threads it is important that Assembly Paste is applied down to the thread root to ensure a good sealing effect. Assembly Paste must not be mixed with greases or oils to avoid changes in the material characteristics. WEICON Assembly Pastes do not replace oil or grease lubrication.

## Storage

Keep container tightly closed. Do not store together with oxidizing agents. Store in a dry place at storage temperature. Original container are storable for 24 months.

## Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets ([www.weicon.com](http://www.weicon.com)) must be observed.

## Available sizes:

26050012	Anti-Seize Nickel Assembly Paste 120 g
26050040	Anti-Seize Nickel Assembly Paste 400 g
26050045	Anti-Seize Nickel Assembly Paste 450 g
26050050	Anti-Seize Nickel Assembly Paste 500 g
26050100	Anti-Seize Nickel Assembly Paste 1 kg
26050180	Anti-Seize Nickel Assembly Paste 1,8 kg
26050500	Anti-Seize Nickel Assembly Paste 5 kg
26050910	Anti-Seize Nickel Assembly Paste 10 kg
26050920	Anti-Seize Nickel Assembly Paste 20 kg

## Accessories:

10953001	Processing Spatula, short
10953003	Processing Spatula, long