

COPAZ-B2 (Copper Anti-Seize Paste Compound)

DESCRIPTION

COPAZ-B2 is a superior, anti-seize paste compound and extreme pressure lubricant formulated to protect metal parts against rust, corrosion and seizure. **COPAZ-B2** is a copper based anti-seize paste compound reinforced with micronized particles (Copper, MOS₂, Graphite) solid lubricants and to further enhance its performance particularly in applications where conventional copper based anti-seize products may fail to perform. **COPAZ-B2** contains small dosage of synthetic (PAO) ester additive, special white solid lubricants Mox-Active (Organo Molybdenum Complex) a German technology improvement additive creates a passive film on friction surfaces before friction occurs, optimum wear protection and an extremely low coefficient of friction even under extreme pressures, vibrations & heavy shock loads. **COPAZ-B2** is an effective anti-seize formulation, preventing metal-to-metal contact, seizing, galling, rust and fretting corrosion. is a superior, anti-seize and extreme pressure lubricant formulated to protect metal parts against rust, corrosion and seizure.

After applying **COPAZ-B2** copper anti-seize paste compound on threaded parts, it remains in good condition and can be re-used. **COPAZ-B2** copper anti-seize paste compound is resistant to hot and cold water. It is lead-free and nickel-free and offers excellent sealing even in corrosive atmospheres. Fine metallic and graphite particles in special grease protect parts even in high heat, high pressure and corrosive environments. Aerosol formulation does not contain chlorinated solvents.

FEATURES AND BENEFITS

- It has an operating temperature resistance of -20°C to +1200°C.
- Keep parts working longer with less wear and protects against carbon fusion.
- Minimizes parts replacement costs
- Enables faster disassembly when repairs are needed—even after exposure to high temperatures.
- Resists alkaline solutions, most chemical and acid vapors, road salt, steam, salt water, iodized water and Prevents galling on steel to stainless steel.

APPLICATION

- Suitable for bolted joints that are subjected to high temperatures up to 1200°C (1900°F) and to corrosive effects, and which, after assembling and the initial operation, have to be re-tightened or disconnected. In order to ensure constant pre-stressing forces, uniform and steady coefficients of friction of the lubricant are necessary.
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- An effective anti-seize lubricant for: • Bolts, nuts, pins • Screw connections on hydraulic equipment • Bushings, fittings • Splines • Flanges, flange seals • Pipeline connections • Exhaust screw connections • Linkages • Sliding sleeves / shafts • Press fit head bolts, nozzle head screws of plastic, Furnaces, Exhaust system, Dockside and Oil rig, Injection molding machines, bolted joints in the chemical industry, tension rings of centrifuges applications.

DIRECTIONS

- Do not use on energized equipment, oxygen systems or in presence of acetylene.
- Use aerosol only in ventilated areas.
- The surfaces to be treated should be clean, dry and grease free. Wire brush scaled parts and clean with an oil-free solvent like Amberklene FE10.
- A thin, even film should be applied either by spraying or by brushing.
- Avoid mixing with other products.

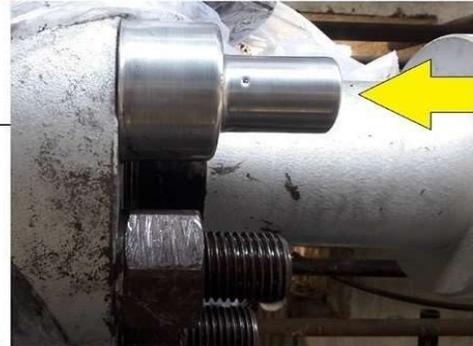
PROPERTIES

Characteristics	Specifications
NLGI	2
Colour	Dark coppery colored paste
Appearance	Buttery
Base oil & Viscosity	Mineral & 1000 cSt
Thickener	Special Metal Complex
Solids Lubricants	Micronized particles (Copper, MOS ₂ , Graphite) PAO ester & Mox-Active (Organo Molybdenum Complex)
Solid Contents	Approximately 37%
Drop Point °C	+320 (Non-Dropping)
4 Ball Weld Test	+800
Four Ball Wear (DIN 51350 T5, 1h, 500N)	0.5 mm
Hot water resistance (DIN 51807 T1, 40°C, 90°C)	1
Coefficient of friction	0.14µm at thread: at head: 0.08µm
Corrosion (DIN 51802)	0,0
Water solubility	insoluble
Water Washout	1% max
Temperature Range °C	-20°C to +1200°C.



protect bolts and nuts against corrosion

RESULTS AFTER 600 h ASTM B-117 SALT SPRAY TEST



ASTM A193 B7 STUD BOLT + Gr 2H nut
EXPOSED TO SALT FOG FOR 600 hours

UNPROTECTED

COMPLETELY CORRODED

ASTM A193 B7 STUD BOLT + Gr 2H nut
EXPOSED TO SALT FOG FOR 600 hours

PROTECTED by Powermaxx cap (and solid lubricant paste)

NO EVIDENCE OF CORROSION

www.powermaxxlube.com

Materials Compatibility

DATA – OK, CAUTION - Test before use on plastics or rubber, NOT OK -

Storage & Shelf Life

Product may be stored at normal ambient temperatures and has a shelf life of not less than 4 years with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

Health and Safety

A separate Safety Data Sheet (SDS) according to EC Regulation 73/404/EEC and 648/2004/EC is available from www.powermaxxlube.com or via info.powermaxx918@gmail.com

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