

KOPR-KOTE®

High Temperature Anti-Seize Compound



TECHNICAL DATA SHEET

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DESCRIPTION

KOPR-KOTE® is a low-friction anti-seize lubricant manufactured from a combination of micro-size copper flakes and graphite, dispersed in a water-resistant grease and is fortified with anti-oxidants, plus rust and corrosion inhibitors. **KOPR-KOTE** contains CZ-EX®, Jet-Lube's patented EP additive, to provide extra protection no other compound can offer.

KOPR-KOTE provides a shield against metal-to-metal contact, thus preventing seizure and corrosion. Its ingredients create an effective matrix between mated surfaces and are unaffected by contraction or expansion. It fills irregularities and imperfections and resists welding, hardening or setting. **KOPR-KOTE** provides low friction and cushions impact and shock loads. Low shear between particles reduces stick-slip, allowing quick disassembly with minimum wrench torque. It will not squeeze out of the threads, gum up, or wash off.

KOPR-KOTE has no equal in temperature services up to 815°C (1500°F). Fittings that are heated red hot, then allowed to cool, can quickly be disassembled without seizure or distortion. **KOPR-KOTE** is recommended for production and maintenance jobs where speed in assembling and dismantling is essential. It assists in reducing downtime and provides full use of machinery and equipment, saving valuable man-hours while increasing production.

CERTIFICATIONS

Military Specification **MIL-PRF-907E**

NSF Registered H2 - **Reg. #120923**

OPERATING RANGE: -54°C to 815°C (-65°F to 1500°F)

APPLICATIONS

Use **KOPR-KOTE** on:

Nuts	Bushings	Seals	Flanges
Chains	Bull Plugs	Tees	Ways
Punches	Adapters	Packings	Some Gears
Taps	Bolts	Elevators	Unions
Studs	Sheaves	Couplings	Elbows
Dies	Valve Stems	Slides	Drives
U-Bolts	Return Bends	Screws	Joints
Keyways	Press Fits	Manifolds	Tube Threads
Fittings	Lifts	Nipples	Gaskets

NOTE: Not for use with oxygen or LPG lines.

— IMPORTANT —

NOT FOR HI-TEMP STAINLESS STEEL USAGE!

KOPR-KOTE should not be used on stainless steel fittings operating at temperatures above 288°C (550°F).

Use Jet-Lube SS-30™ Copper Base Anti-Seize Lubricant or Jet-lube NIKAL™ Nickel Base Anti-Seize Lubricant for these applications.

CHARACTERISTICS

- Protects against seizure, heat-freeze, galling, rust and corrosion
- Lowers friction; reduces wrench torque
- Permits reuse of fittings; saves stud, bolt and nut replacement
- Lowers maintenance costs; speeds assembly and dismantling
- Not affected by contraction, expansion or vibration
- Will not run, drip or settle out
- Color - bronze

PRODUCT SPECIFICATIONS

Grease Carrier	Organo Clay
Dropping Point (ASTM D-566)	Not Determined
Water Spray-Off (ASTM D-4049)	<20%
Density (kg/liter), Typical	1.10
Specific Gravity	1.10
Oil Separation, Wt. % Loss @ 100°C (212°F)	<2.0%
Penetration (ASTM D-217)	
25°C (77°F)	265 - 295
-18°C (0°F)	200
NLGI Grade, typical	2
Corrosion Resistance (Modified ASTM B117)	
20% NaCl at 100°F, Hours Free from Corrosion	100
Coefficient of Friction (1" 316 Stainless Steel)	0.11
Evaporation Loss, Wt %	
24 Hours at 100°C (212°F)	<1.0
Copper Strip Corrosion (ASTM D-4048)	1A

PACKAGING

Inventory Code	Container Size	Container
10250	400 g	Cartridge
10202	225 ml	Brush-Top Can
10203	450 ml	Brush-Top Can
10204	1-Liter	Jar



LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube of Canada Ltd.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube of Canada Ltd. shall not be liable for incidental or consequential damages.