



KOPPER PLATE HIGH TEMPERATURE ANTI-SEIZE AND GASKET COMPOUND

Kopper Plate 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 fortified with antioxidants, plus rust and corrosion inhibitors. Kopper Plate contains a patented EP additive to provide extra protection no other compound can offer.

Kopper Plate 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. Kopper Plate 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.

Kopper Plate has no equal in temperature services up to 1,800°F (982°C). Fittings that are heated red hot, then allowed to cool, can quickly be disassembled without seizure or distortion. Kopper Plate 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.

Whitmore's Kopper Plate is recommended as an anti-seize compound for use on rock drill tool joints and threaded drill stems.

BENEFITS:

- LEAD-FREE - environmentally safe.
- PROTECTION - protects against seizure, heat-freeze, galling, rust and corrosion.
- LOWERS FRICTION - reduces wrench torque.
- ECONOMICAL - permits reuse of fittings; saves stud, bolt and nut replacement.
- REDUCED MAINTENANCE COSTS - speeds assembly and dismantling.
- STABILITY - not affected by contraction, expansion or vibration.
- NOT RUNNY - will not run, drip, or settle out.

APPLICATIONS:

Nut Bushings	Hyd. Hammers	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 Bands	Screws
Joints	Keyways	Press Fits
Manifolds	Tube Threads	Fittings
Lifts	Nipples	Gaskets

Note: Not for use on oxygen lines.

ASTM #		TYPICAL CHARACTERISTICS
	Grade	1.5
D-217	Cone Penetration (Unworked)	290-330
D-2265	Dropping Point, °F (°C)	500 (260)
Gardner Method	Density, lb/gal @ 60°F (°C) Specific Gravity, g/cc @ 60°F (°C)	10.00 1.200
D-2596	Four Ball EP, Weld Point, kg	800
D-4049	Water Spray-Off, % Loss	<12
D-4048 (Modified)	Copper Strip Corrosion for Greases 212° (100°C) @ 3 hrs	1A
	Thickener Type	Aluminum Complex
	Coefficient of Friction on Stainless Steel	0.11
	Service Rating, °F (°C)	0 (-18) to 450 (232)
	Color	Bronze Paste

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Brush Top Cans 12 – ½ lb cans	Brush Top Cans 12 – 1 lb cans	2 lb Cans 12 per case
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THE WHITMORE MANUFACTURING COMPANY

930 Whitmore Drive • P.O. Box 9300 • Rockwall, Texas 75087 • USA • (972) 771-1000 • Fax: (972) 722-2108
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