



# KOPR-KOTE® GEOTHERMAL TOOL JOINT & DRILL COLLAR COMPOUND

## DESCRIPTION

**KOPR-KOTE® GEOTHERMAL** drill collar and tool joint compound is a premium-quality, unleaded compound containing copper flake, graphite, and other natural extreme pressure and anti-wear additives. **KOPR-KOTE GEOTHERMAL's** solid package is formulated to prevent excessive circumferential makeup by increasing the coefficient of friction under compressive forces. As stress levels rise above 50% of yield, the friction factor increases, limiting downhole makeup. Full hydraulic joint efficiency is maintained allowing joint shoulder faces to make completely without standoff or deformation. **KOPR-KOTE GEOTHERMAL** was designed for optimum performance on all rotary-shouldered connections such as tool joints and drill collars where extreme high temps are encountered. **For invert or high-muds, use Jet-Lube EXTREME™.**

- Contains no lead or zinc
- Extreme pressure additives provide additional protection against seizing and galling and allow consistent makeup.
- Sticks to wet joints
- Unequaled resistance to makeup downhole.
- Available in Arctic, Standard, and Specialty grades.

## PRODUCT CHARACTERISTICS

Thickener	Bentone Clay
Fluid Type	Petroleum
Dropping Point (ASTM D-2265)	None
Specific Gravity	1.15
Density (lb. /gal)	9.6
Oil Separation (ASTM D-6184)	<3.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>590°F (310°C)
NLGI Grade	1.5
Penetration @ 77°F (ASTM D-217)	275 - 305
Copper Strip Corrosion (ASTM D-4048)	1A, typical
4-Ball (ASTM D-2596)	
Weld Point, kgf	800, typical
Friction Factor* Relative to RP7G	1.15

\*For proprietary connections, consult manufacturer.

**For package types and part numbers contact [sales@jetlube.com](mailto:sales@jetlube.com).**

## LIMITED WARRANTY

For warranty information please visit

[http://www.jetlube.com/pdf/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf)