

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** solids 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 mate 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-pH 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.

SERVICE RATING:
0°F (-18°C) TO 700° (370°C)

PRODUCT CHARACTERISTICS

Thickener	Bentone Clay
Fluid Type	Petroleum
Dropping Point	None
(ASTM D-2265)	
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	275 - 305
(ASTM D-217)	
Copper Strip Corrosion	1A, typical
(ASTM D-4048)	
4-Ball (ASTM D-2596)	
Weld Point, kgf	800, typical
Friction Factor*	1.15
Relative to RP7G	

*For proprietary connections, consult manufacturer.

PACKAGING

Code No.	Container Size	Shipping Wt.
10223	1 gal.	11 lb.
10213	2½ gal.	25 lb.
10215	5 gal.	52 lb.
10224	15 gal.	154 lb.
10229	50 gal.	519 lb.

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. 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, Inc.

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, Inc. shall not be liable for incidental or consequential damages.

CORPORATE LOCATIONS

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