

DESCRIPTION

KOPR-KOTE® ARCTIC WATERWELL DRILL ROD compound is the more pumpable or sprayable version of the standard grade of KOPR-KOTE our premier waterwell and HDD drilling compound in the market. KOPR-KOTE ARCTIC WATERWELL and has been in use for more than 3 decades. It is an unleaded compound containing copper flake, graphite, and other natural extreme pressure and anti-wear additives. **KOPR-KOTE® ARCTIC WATERWELL'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® ARCTIC WATERWELL offers the greatest protection in the most severe drilling situations such as higher speeds, higher penetration rates, long horizontal holes, or harder formations. For these applications the drill rods and other rotary shouldered connections should be made up an additional 10%. Friction factors for **JET-LUBE® KOPR-KOTE WATERWELL** were developed using full scale API tool Joint connections.

For invert or high-pH muds, use Jet-Lube® WATERWELL 21 or EXTREME™.

- **Not classified as a marine pollutant - DOT Approval CA2004080025**
- Designed to handle extremes in low temperature
- Contains no lead or zinc.
- Designed for spray and pump equipment application
- Extreme-pressure additives provide additional protection against seizing and galling and allow consistent make-up.
- Aluminum-complex grease base protects against rust and corrosion.
- Sticks to wet joints.
- Unequaled resistance to makeup down-hole.
- Available in Standard, Thermal, and Specialty grades.
- Conforms to assembly bill 1953

SERVICE RATING:
-40°F (-40°C) TO 300° (149°C)

PRODUCT CHARACTERISTICS

Thickener	Calcium
Fluid Type	Low pour Petroleum
Dropping Point (ASTM D-2265)	>300°F (149°C)
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) (160°C)	>320°F
NLGI Grade	1
Penetration @ 77°F (ASTM D-217)	310 - 330
Copper Strip Corrosion (ASTM D-4048)	1A, typical
4-Ball (ASTM D-2596) Weld Point, kgf	800, typical

For package types and part numbers contact sales@jetlube.com.

LIMITED WARRANTY

For warranty information please visit
http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf