



EXTREME®

TOOL JOINT & DRILL COLLAR COMPOUND

DESCRIPTION

The **EXTREME** version of **Kopr-Kote** is a mud-resistant drill collar and tool joint compound. Premium-quality, non-Lead compound blended with a new, high-temp complex base grease of Jet-lube design.

This base grease offers the additional advantages of superior adhesion, improved extreme pressure and anti-wear properties. It also has excellent resistance to water wash-off as well as rust and corrosion protection in the presence of high pH muds.

The **EXTREME** solids content is formulated to prevent excessive circumferential makeup by increasing the coefficient of friction under compressive forces. As stress levels increase 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.

ADVANTAGES

- Highly resistant to drilling muds
- Contains no Lead or Zinc
- EP additives provide anti-galling properties
- Complex base grease with superior rust and corrosion protection
- Sticks to wet joints
- Brushable and stable over wide temp range
- Consistent rig floor makeup
- Unequalled resistance to downhole makeup

APPLICATIONS

EXTREME should be utilised with the torque charts in API RP7G for optimum performance on API drill string connections, or by contacting the drill pipe and connector manufacturer.

NB Premium drill string connections such as Hi-Torque (HT), eXtreme Torque (XT) and XT-M utilise makeup torques based on thread compound friction factors of 1.0. Adjusting makeup torque based on thread compound friction factor may still be advised.

PRODUCT CHARACTERISTICS

Service Range	-18°C to 232°C
Thickener	Complex soap
Fluid Type	Petroleum
Dropping Point (ASTM D-566)	>232°C (450°F)
Specific Gravity	1.20
Oil separation	<3.0
Penetration @25°C(IP50/ASTM D-217)	310 - 330
NLGI grade	1
Copper Strip Corrosion (ASTM D-4048)	1A typical
4-Ball Weld Point, kgf (ASTM D-2596)	1,000
Flash Point (ASTM D-92)	>232°C (450°F)
Friction Factor(Relative to API RP 7G)	1.15

PACKAGING

Code No.	Size	Container
JA11423	5 kg	Plastic pail
JA11413	12.5 kg	Metal pail
JA11419L	20 kg	Pail (Lined)

LIMITED WARRANTY

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

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 (UK) Limited shall not be liable for incidental or consequential damages.