

# TK II Modified®



TK II Modified® is a synthetic based thermal compound developed for use in geo-thermal, steam injection and SAG-D projects. This product provides a leak-proof seal in both API and premium connections where elevated temperatures and higher pressures are determining factors. The finely powdered metals prevent over torque, galling, and seizure during connection make-up and break-out. Chemical inhibitors minimize the effects of corrosive environments.

## ▶ SERVICE RECOMMENDATIONS

TK II Modified® is recommended for all API and premium heavy wedge style threads connections in high temperature conditions.

## ▶ PERFORMANCE CHARACTERISTICS

- Formula has metallic zinc for torque control and to ensure thread protection
- Flaked copper is added for ease of breakout of tubing
- Corrosion inhibitors are used to reduce chance of pitting and rust during extended periods of storage

## ▶ PRODUCT SPECIFICATIONS

Thickener	Calcium Complex
Fluid Type	Petroleum / Synthetics
Flash Point	> 371 °C / 700 °F
Service Rating	343 °C / 650 °F
NLGI Grade	1
Color	Copper
Friction Factor	1.05
Pen Range	300 – 360 (ASTM D217) seasonal adjustment
Brushability	- 18 °C / 0 °F
Drop Point	> 400 °C / 752 °F

## ▶ PACKAGING

4.5 l steel / 1.0 gallon	Net 4.5 kg / 10 lb
10 l steel / 2.5 gallon	Net 13.6 kg / 30 lb
20 l steel / 5.0 gallon	Net 22.7 kg / 50 lb
205 l steel / 55 gallon	Net 218 kg / 480 lb

**Note:** The torque correction factor is influenced by a variety of conditions such as pipe size, thread geometry, drilling mud contaminants, and drilling environment. In all applications experience and prior knowledge should be used to adjust make-up torques as the torque correction number provided is relative.

**Warranty:** This compound shall be free of defects at time of manufacture. Warranty shall be limited to the refund of the purchase price. All other liability is negated and disclaimed and Topco Oilsite Products shall not be liable for consequential or incidental damages.



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