



Therma-Steel

Dyna-Plex 21C® Therma-Steel Drill Steel lubricant is an environmentally preferred, lead-free compound specifically designed for percussion drilling. Its formulation is highly fortified to provide excellent resistance to shock, galling and seizing. Its anti-friction properties are unsurpassed, while providing easy thread assembly and disassembly.

Dyna-Plex 21C Therma-Steel provides yesterday's leaded performance in today's lead-free environment. It makes up easy, breaks out with less torque, and resists washaway due to its state-of-the-art aluminum complex thickener.

Dyna-Plex 21C Therma-Steel is recommended for percussion rock drilling, blast hole drilling, road construction, logging, mining, coal drilling, pneumatic and track drilling. Dyna-Plex 21C Therma-Steel 75 is brushable and Dyna-Plex 21C Therma-Steel 89 is pumpable.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>THERMA-STEEL 75</u>	<u>THERMA-STEEL 89</u>
Thickener		Aluminum Complex Petroleum	Aluminum Complex Petroleum
Fluid Type		Black	Black
Color/Appearance		500	450
Dropping Point, °F	D-566	1.19	1.19
Specific Gravity		9.95	9.95
Density, lbs/gal, typical		< 1%	< 3%
Oil Separation: wt. % loss @ 212°F		> 430 (221)	> 430 (221)
Flash Point, COC, °F (°C)	D-92	< 10%	< 10%
Water Spray Off	D-4049	235-265	290-320
Penetration @ 77°F, mm x 10-1	D-217	1A	1A
Copper Strip Corrosion	D-4048	620	800
Shell 4 Ball	D-2596	92	129
Weld Point, kgf			
Load Wear Index			