

STAR-TECH 151 DRY



STAR-TECH 151 DRY is a polymer blend designed to provide cuttings encapsulation, fluid loss and shale stabilization. STAR-TECH 151 DRY acts as a viscosifier and friction reducer and works well for setting surface casing.

Application

STAR-TECH 151 DRY systems provide excellent cuttings encapsulation and improved wellbore stability. Thicker mixtures should be used when groundwater and highly fractured formations are encountered. Thicker solutions of STAR-TECH 151 DRY may be required to coat the borehole and casing when setting casing. STAR-TECH 151 DRY may be mixed as required for air drilling.

Advantages

- Provides excellent cuttings encapsulation and limits cuttings dispersion
- Provides improved shale stabilization and has excellent shear resistant properties
- Enhances the removal of drill solids
- Mixes and yields easily
- Aids in preventing balling on the bit, stabilizers and bottom-hole assemblies by coating and lubricating solids
- Functions to stabilize unconsolidated ground and prepares the upper hole to receive casing - as a result, casing removal is greatly improved.

Typical Usages

Typical Amounts of STAR-TECH 151 DRY Added to freshwater		
Drilling Application	lb/100 gal	kg/m ³
Normal drilling	1.2 - 4.6	0.5 - 2
STAR-TECH 151 DRY may be mixed directly into the active mud system		
Sweeps may be accomplished by mixing STAR-TECH 151 directly in the active system at the suction pit or by pouring small quantities (0.5 to 1 cup) directly into the drill string during connections		

Properties

Physical Appearance	Beigey, granular powder mix
Specific Gravity	0.6 - 0.9
Melting Point	>150 °C / >302 °F
pH	7 - 9

Packaging

STAR-TECH 151 DRY is packaged in 50 lb (22.68kg) bags or buckets