

INFORMATION

POLYTHERM-FX2

HIGH TEMPERATURE FILTRATION CONTROL ADDITIVE

DESCRIPTION

POLYTHERM-FX2 is one of the most advanced products for use in high temperature well bore environments in which water base drilling fluids are used. POLYTHERM-FX2 is an extremely low viscosity synthetic polymer for filtrate control in water base drilling fluids. It minimizes the drilled solids build-up and stabilizes sensitive shales in the well.

POLYTHERM-FX2 also helps extend the temperature range of cellulose material such as CMC.

APPLICATION

POLYTHERM-FX2 is primarily for rheological stabilization and filtration control in water base drilling fluids. Thermal stability in well bore temperatures of 450° F (230° C). POLYTHERM-FX2 is effective in calcium chloride concentrations up to 100,000 ppm and brines containing Na, K+, and Mg++ concentrations up to saturation. It is stable in a wide range of pH environments.

RECOMMENDED TREATMENT

Dosage may range from 1 to 5 ppb (2.84 to 14.25 kilograms per cubic meter) in fluids treated with POLYTHERM-FX2. Smaller concentrations of 0.2 to 1.0 pounds per barrel (0.6 to 2.84 kilograms per cubic meter) are used to extend the temperature range on fluid loss control cellulose materials. Deflocculants such as POLYPERSE-XHT™ or THERMO-THIN-S™ may be used in conjunction with POLYTHERM-FX2 to control viscosity and gel strengths as required.

HANDLING

Normal precautions for handling powdered polymers should be observed. Avoid breathing dust as it may irritate mucous membranes. Wash off skin as soon as possible if skin contact. Although this product is not believed to be toxic to any great degree, its toxicological characteristics have not been fully investigated.

PACKAGING

POLYTHERM-FX2 is packaged in 25 kg multi-layer bags with moisture barrier liner.

POLYTHERM-FX2 is a Messina trademark