THERMA-THIN®

THINNER

Product Description

THERMA-THIN® thinner is used in water-based systems to control rheological properties and to impart high temperature stability. THERMA-THIN thinner is an effective deflocculant that can be used at a wide range of pH and is suitable for use up to 450°F (232°C). THERMA-THIN thinner can be used as a stand-alone product, or in combination with other thinners, such as lignosulfonates, that operate by different thinning mechanisms. THERMA-THIN thinner is particularly efficient in fresh water systems with low to medium solids concentrations.

Applications/Functions

» Deflocculate most water-based systems
» Helps minimize thermal flocculation
» Helps reduce shear strength development

Advantages

» Effective in the presence of salt and divalent ions
» Environmentally acceptable
» Compatible with other common mud additives
» Stable at temperatures above 450°F (232°C)
» Not pH dependent

Typical Properties

» Appearance: Pale clear to light amber
» pH: 8
» Specific Gravity: 1.24

Recommended Treatment

Add 1-4 lb/bbl (2.85-11.41 kg/m³) of THERMA-THIN deflocculant to the system.

Notes:
When adding prehydrated bentonite to a salt water system, add THERMA-THIN thinner to the slurry to help minimize flocculation.

THERMA-THIN thinner is not recommended for use in high lignite systems. It performs better when starches, cellulosic or high temperature synthetic polymers (such as THERMA-CHEK® filtration control agent) are used for filtration control.

Packaging

THERMA-THIN thinner is packaged in 5-gal (18.9-l) cans, 25-kg cans and 55-gal (208-l) drums.