

Product Information

FILTRAVIS

GENERAL DESCRIPTION

Filtravis is a polymeric viscosifier. It is used in combination with bentonite to give excellent fluid rheology properties in a variety of drilling applications. The Filtravis polymer/bentonite system not only provides viscosity for hole cleaning but fluid loss control as an added benefit. To date, the product has been used extensively in Canada resulting in a 20-50% savings in overall mud cost.

APPLICATIONS

The Filtravis system is recommended for wells where enhanced rheological and fluid loss properties are necessary and for the following special applications:

- Boost in rheology when needed to clean the hole before running casing
- Casing milling
- Prehydrating bentonite for use in seawater mud
- Primary mud system
- Small bore / top hole / Directional drilling

CHARACTERISTICS

Filtravis is compatible with most other mud products. For example, Drispac polymer should be used where additional fluid loss control is needed. The addition of thinners, however, flattens the rheology profile and thereby reduces the efficiency of the material and performance of the system. Generally, this simple, effective mud system can be formulated with bentonite, caustic soda and drispac polymers.

RECOMMENDED TREATMENT

Filtravis is typically used in fresh water containing approx. 28.6kg/m^3 (10 ppb) bentonite, a $0.57\text{-}1.14\text{kg/m}^3$ (.20-.40 ppb) concentration is recommended. Native clay can be used alone, but high quality bentonite improves the performance of the system. Filtravis performs best in the 9.5-10-pH range. Filtravis should be primarily used in freshwater drilling systems but will function in wells with water hardness up to 1500ppm (mg/l). The temperature limitation is approximately 135°C .

ADVANTAGES

In addition to its beneficial fluid loss and flow properties, effective hole cleaning and environmental acceptability, Filtravis also produces the many advantages of using a polymeric low solids mud system – well bore stabilization, high penetration rates, better solids control, less susceptibility to contamination and superior material logistics. The overall savings on drilling fluid operations compared to conventional gel-chemical systems is the critical economic benefit provided by Filtravis.

AVAILABILITY

Filtravis is available in 11.34kg sacks.