

TRU-BORE®

Highly Concentrated Bentonite

DISPERSION OF MUD RINGS

Tru-Bore® is a highly concentrated bentonite-based drilling fluid used for difficult drilling operations in both vertical and horizontal borings.

Tru-Bore is non-toxic and environmentally safe. It serves as a true one-sack solution for horizontal drilling applications. It is extremely effective at maintaining hole integrity during pullback with horizontal drilling.

Tru-Bore stabilizes formations ranging from moderate clay to high sand concentrations.

PHYSICAL PROPERTIES:

Appearance: Light tan to grey powder/granules

Specific Gravity: 2.45-2.55

Melting Point: 1450°C

Bulk Density: 49-55 lb/ft³

CHEMICAL PROPERTIES:

Type: Natural mineral, montmorillonite

Solubility: Insoluble, forms colloidal suspension

pH: 8.0 - 10.0 (5% aq. suspension)



MIXING & HANDLING

Tru-Bore is dry bentonite clay and requires high shear and agitation for proper hydration. It should be mixed no faster than five minutes per sack. Always mix bentonite before polymers. Cold water increases mixing time.

Tru-Bore concentrations vary dependent on the application and type of additives used. A concentration of 15-25 pounds of Tru-Bore per 100 gal of fluid yields a viscosity of approximately 45 seconds on a Marsh Funnel. At a rate of 27 lb per 100 gal, viscosity can climb to 60 seconds.

WHMIS: Controlled (see SDS)

TDG: Not regulated

Packaging: 50lb sack / bulk

CONCENTRATION

Make up fluid (w/ polymer addition):
15 lb/100 gal

Unconsolidated formations: 20-30
lb/100 gal

Tru-Bore loses effectiveness in hard, low pH or salt water. To achieve the maximum yield of 240-260 bbl, the make up water should be treated with soda ash (sodium carbonate) to a pH of 8.0-9.0. Do not use salt water since it cannot be treated.