



BAROID QUIK-BORE™

High Yield Boring Fluid System



Description

QUIK-BORE high-yield boring fluid system is specially formulated for use in horizontal directional drilling (HDD), primarily tunneling and micro-tunneling applications. QUIK-BORE high-yield boring fluid system is a proprietary blended product using Wyoming sodium bentonite.

Applications/ Functions

The use of QUIK-BORE high-yield boring fluid system assists or promotes the following:

- Provides functional gel strength for cuttings suspension
- Improves borehole stability
- Reduces filtration by forming a thin filter cake with low permeability
- Lubricates pipe in micro-tunneling operations

Advantages

- High-yielding and easy to mix
- Helps provide lubrication for pulling product line
- Can be used in unconsolidated formations
- Can provide gel strength to compensate for low annular velocity
- Can minimize the number of boring fluid products required
- Disperses readily in water
- Efficiently improves filtration control
- NSF/ANSI Standard 60 certified

Typical Properties

- Appearance Variable colored powder (tan to gray)
- Bulk Density, lb/ft³ 68 to 72 (compacted)

Recommended Treatment

Add slowly and uniformly through a high-shear, jet-type mixer, or into the vortex of a high speed stirrer over one or more cycles of the volume of slurry. Continue to circulate and agitate the slurry until all un-yielded bentonite is dispersed.

Recommended Treatment (continued)

Approximate Amounts of QUIK-BORE bentonite Added to Fresh Water		
lb/bbl	lb/100 gallons	kg/m³
8 – 15	20 – 35	24 – 42

- Ideal make-up water has a total hardness (as calcium) less than 100 ppm (mg/L), chloride content less than 1500 ppm, chlorine content less than 50 ppm, and pH between 8.5 – 9.5.
- Pre-treat mixing water with Soda Ash (sodium carbonate), typically 0.5 – 1 pound per 100 gallons (0.6 – 1.2 kg/m³), to reduce total hardness to less than 100 mg/l and raise pH to 8.5-9.5.

Packaging

QUIK-BORE high-yield boring fluid system is packaged in 50-lb (22.7 kg) multi-wall paper bags.

Availability

QUIK-BORE high-yield boring fluid system can be purchased through any Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.

**Baroid Industrial Drilling Products
Product Service Line, Halliburton**
3000 N. Sam Houston Pkwy. E.
Houston, TX 77032

Customer Service	(800) 735-6075 Toll Free	(281) 871-4612
Technical Service	(877) 379-7412 Toll Free	(281) 871-4613