



UNI-DRILL®

Product Information

Description

UNI-DRILL® is a unique proprietary liquid polymer designed for use in tunneling, rotary and horizontal directional drilling operations. It conditions drilling fluids to control fluid loss, prevent formation clays from swelling, and will keep tools clean by preventing bit balling. Unlike many commonly used polymers, **UNI-DRILL®** actually aids in the effective operation of solids control equipment by dropping silts and sands from the fluid. Similarly it is tolerant of brackish and harsh water conditions which adversely affect many other polymers. **UNI-DRILL®** is environmentally safe and non-fermenting.

Characteristics

- Safe: Non-polluting, Non-fermenting
- Controls fluid loss
- Coats and inhibits clays
- Builds viscosity
- Mixes easily
- Performs in saline environments
- Reduces friction — drag and torque

Application

1. Treat make-up water with soda ash to a pH of 8 to 9.
2. Add bentonite product – **EXTRA HIGH YIELD™** or **TRU-BORE®**.
3. Add **UNI-DRILL®**.

In air-drilling operations, **UNI-DRILL®** can be added to stabilize shale and clay formations. Add 1 pint per 100 gallons of water upstream from **AIR FOAM®** or **WYO-FOAMER™** injection. Below are typical application rates for **UNI-DRILL®** and other products for use in certain drilling conditions.

For 500 Gallons of Make-up Water: Add approximately ¼ pound of soda ash to bring water a pH of 8 to 9. In any fluid, always add bentonite products before adding the polymer.

CLAY	40-45 sec/qt
EXTRA HIGH YIELD™ GEL & UNI-DRILL® — 1½ ± Bags & 5 Qts. UNI-DRILL®	
TRU-BORE® & UNI-DRILL® — 1½ ± Bags & 3 + Qts. UNI-DRILL®	
SAND	55-65 sec/qt
EXTRA HIGH YIELD™ GEL & UNI-DRILL® — 2¼ - 3 ± Bags & 3 + Qts. UNI-DRILL®	
TRU-BORE® & UNI-DRILL® — 2¼ ± Bags & 1½ ± Qt. UNI-DRILL®	
UNKNOWN OR MEDIUM SOILS	45-55 sec/qt
EXTRA HIGH YIELD™ GEL & UNI-DRILL® — 2¼ ± Bags & 6.5 Qts. UNI-DRILL®	
TRU-BORE® & UNI-DRILL® — 1½ ± Bags & 5 Qts. UNI-DRILL®	

Packaging

UNI-DRILL® is packaged in 4 x 1 gallon cases and 5 gallon plastic pails.

WYO-BEN, INC., Billings, Montana

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The information and data made herein are believed to be accurate. As Wyo-Ben, Inc. has no control over use or application of this product, it is sold without warranty or guarantee of results.