



# EXTRA HIGH YIELD™



## Product Information

### Description

**EXTRA HIGH YIELD™ BENTONITE** has a Higher Performance formula that makes it a very effective viscosifier. This premium grade beneficiated Wyoming Bentonite is designed for use in mineral exploration, water well and directional drilling operations. **EXTRA HIGH YIELD™ BENTONITE** is an efficient viscosifier performs well in a variety of water qualities, successfully reduces application rates, mixes quickly and easily. **EXTRA HIGH YIELD™ BENTONITE** is listed with the National Sanitation Foundation for use in potable water well construction.

### Characteristics

High Yielding Bentonite Viscosifier

- 200 to 220 barrel yield
- Mixes rapidly for fast hydration
- Carries cuttings in mud with lower solids content
- Enhances fluid loss characteristics; reduces seeping into permeable formations
- Assists in bore hole stabilization
- Helps eliminate loss circulation conditions

### Application

Always adjust make-up water in tank to a pH of 8 to 9 before adding bentonite and/or polymer. Public water supplies often have a pH of only 6.5 to 7. Start by adding 6 oz. of soda ash to 300 gallon and add more as required to maintain a pH of 8 to 9. Add **EXTRA HIGH YIELD™ BENTONITE** to reach the desired initial funnel viscosity, then add **UNI-DRILL®** liquid polymer for final desired funnel viscosity. In most cases begin at a 40 to 45 second initial viscosity, then add **UNI-DRILL®** to bring the viscosity up to 45 to 50 seconds. Below are more specific mixing instructions for various drilling conditions using a 300-gallon mud pit.

<b>CLAY – Soft or Hard</b> (You want lower viscosity and lower fluid loss.)	
Soda Ash	Add about ¼ lb to get pH level of 8 - 9
<b>EXTRA HIGH YIELD™</b>	Add 1 +/- bag for funnel viscosity of 30-35 seconds
<b>UNI-DRILL®</b>	Add 3 - 4 quarts to bring final viscosity to 40-45 seconds
<b>SAND – Wet or Dry</b> (You want higher funnel viscosity and moderate fluid loss.)	
Soda Ash	Add about ¼ lb to get pH level of 8 - 9
<b>EXTRA HIGH YIELD™</b>	Add 1½ - 2 +/- bags for funnel viscosity of 45-55 seconds
<b>UNI-DRILL®</b>	Add 2 - 3 quarts to bring funnel viscosity to 55-65 seconds
<b>UNKNOWN or MEDIUM Soils</b> (You want moderate viscosity and moderate fluid loss.)	
Soda Ash	Add about ¼ lb to get pH level of 8 - 9
<b>EXTRA HIGH YIELD™</b>	Add 1 ½ bags for funnel viscosity of 35-40 seconds
<b>UNI-DRILL®</b>	Add 3 - 4 quarts to bring funnel viscosity to 45-55

This product is designed to be flushed out of the well bore prior to using the well for drinking water. Before placing a well in service for drinking water it is to be properly flushed and drained until the turbidity of the water is <NTU above ambient turbidity. (See **THINZ-IT®** for well completion.)

### Packaging

**EXTRA HIGH YIELD™ BENTONITE** is packaged in 50 pound, multi-walled paper bags.

4300/201302

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