

PRODUCT DATA

Enviroplug® Grout

Sealant

- Description** EnviroPlug® Grout is a patented formula, 30% solids, bentonite grouting product.
- Application** EnviroPlug® Grout is used in most non-oilfield drilling industries.
- Function** EnviroPlug® Grout is used as a water well grouting fluid, a drill hole abandonment fluid, grout for geotechnical monitoring wells after casing placement, and in other construction applications requiring indestructible sub-grade seals. Once in place, EnviroPlug® Grout begins to set and assumes a caulk-like consistency that contacts formations to establish a low permeability seal.



- Properties**
- Permeability: 1×10^{-9} cm/s
- pH Range: 8.0-9.8 (5% slurry)
- Slurry Density: 10.2 lb/gal at 30% solids
- Dry Bulk Density: 58 lb/ft³

- Dosage** Maximum performance is achieved at a ratio of 1 bag of EnviroPlug® Grout to 14 gallons of water (30% solids). Since pumps such as a diaphragm or gear pump may not produce enough pressure to place highly viscous mixtures, a good 'set' can still be achieved after adjusting the ratio to 1 bag per 16 gallons of water.

Dry Grout	Water	Usable Slurry	Solids Content
50 lb	14 gal	17 gal	30.0%
50 lb	15 gal	18 gal	28.6%

- Mixing** EnviroPlug® Grout can be mixed and placed using most available pumping equipment. Although paddle type mixers and positive displacement pumps work best, mixing can also be done through recirculating systems.

Providing local regulations allow, withdraw the tremie line as the EnviroPlug® Grout is being pumped. This permits the grout to continue to 'set' undisturbed, reduces pump pressure and minimizes unnecessary migration into surrounding formations.

As EnviroPlug® Grout is added to the make up water, the slurry develops a creamy, lumpy consistency resembling pancake batter. Pump once this consistency is achieved to minimize migration into formations and allow continued hydration to take place down the hole.

WHMIS: Controlled (see MSDS)

TDG: Not regulated

Packaging: 50 lb multi-wall paper sack and is available in bulk

Physical properties and bioassay information are available on request.

