



Bentonite Swellgel Plus

Swellgel Plus is a modified premium grade bentonite, designed for usage in all types of trenchless technologies. Especially in long-distance HDD projects and tunneling.

Application

May be used for the production of drilling fluid for:

- Horizontal direction drilling,
- Water well drilling,
- Exploration drilling.

Benefits

- One bag product, no other additives required to boost up its performance,
- Mixes quickly and easy,
- Quickly reaches maximum viscosity,
- At the low concentration, Swellgel Plus has a very high carrying capacity to remove sand/gravel and keeps suspended cuttings in suspension when the pumps are stopped.

Properties

Appearance	yellow-beige soft powder,
Moisture content:	max. 12 %
Bulk density:	850 kg/m ³
pH (3% suspension)	9,3

Rheological properties 3% suspension

Marsh Funnel	53 s
App Viscosity	27 cP
Plastic Viscosity	12 cP
Yield Point	26 lb/100ft ²
10" gel	12 lb/100ft ²
Filtration 30'	16 ml

Applications

Recommended concentrations for HDD applications:

Soil	Concentration, kg/m ³
Clays, loams	15-25
Sands: small and medium	25-30
Large sands, gravels	30-35
Stones	35-40

Packaging

Swellgel Plus is packed in 25 kg bags, 600kg and 1000kg Big Bags.