

BENTOSUND H-GEL 20

Selected high yield sodium based bentonite with an optimized profile, especially designed for freshwater drilling and boring applications in vertical and horizontal borings. It has been engineered to build massive mud viscosity rapidly and provide superior hole cleaning thanks to a extremely high gel strength, even at extremely low concentrations. Moreover, it can give is highly effective in helping control lost circulation and formation sloughing, while promoting hole stability in unconsolidated formations.

GENERAL AND RHEOLOGICAL CHARACTERISTICS	
Wet screen analysis (residue on 200 mesh)	0,5 – 1 %
Moisture	11 – 13 %
Liquid limit	> 600 %
Physical state	Fine powder
Colour	Brown
Yield (API 13B)	250- 260 bbl / sh.ton
pH	8,7-10,7
Bleeding after 24 hours	0

Approx. Amounts of Bentosund H-Gel 20 in freshwater	kg/m3
Normal drilling conditions	15-20
Unconsolidated Formations Sand and Gravels	20-25
Caving Formations & Loss Circulations	25-30

Specific advantages and benefits

- Cost effective: Yields more than 3 times a standard grade bentonite
- Strong gelling capability
- Working in about every type of soil
- Environment friendly & Atoxic
- Suitable for use in drilling water wells
- Excellent carrying capacity
- Easy desanding
- Low solid content & optimized grain size: Easy to mix & quick hydration for max viscosity

Application

Bentosund H-Gel 20 is specially suggested

1. Horizontal directional drilling
2. Shaft drilling
3. Water well drilling
4. Microtunnelling
5. Pipejacking
6. Mineral exploration and sampling

Preparation

Mix with water using a high efficient mixer (min. 3 minutes).

Keep mud in circulation during use.

Packaging & Storage

Jumbo bags & 25 Kg paper/valve bags
Keep the product in a dry place and closed in original packing

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