

BENTOSUND 120E 40S®

Innovative formulation based on a selection of additives & natural sodium bentonite specifically designed to be used for all foundation engineering works in every type of soils as

1. diaphragm walls,
2. Barrettes
3. bored piles

It has been engineered to build massive mud viscosity rapidly, providing a superior hole cleaning thanks to a extremely high gel strength. Moreover, it can give his highly effective in helping control lost circulation and formation sloughing, while promoting hole stability in unconsolidated formations. The specific function as a primary filter-cake-building, filtration-control and as suspension agent in freshwater or recycled water is particularly adapted to the different applications even in case of massive seawater and calcium contaminations.

Specific advantages and benefits

- Provides shale control and lubricity with minimal viscosity increase (during contamination)
- Effective across a wide pH range
- Grouting effects
- Working with any type of drilling equipment
- Hydrates more than other types of Bentonite and is best for developing gels for suspension and controlling filtration

- Small particle size, unique flat shape and high surface area of hydrated
- Provides superior filtration values.
- Promotes the deposition of thin, compressible filter cakes in the bore
- Fast swelling
- Very good filtration properties
- Low consumption
- Very Low sensitivity to contaminants (especially soil, salt and cement)
- Stable even at low usage concentrations (up to 25 kg/mc)

Application

Product specifically set-up for special foundation works in all kind of soils. Dosage changes according to the kind of use and to stratigraphy.

Approx. Amounts in freshwater

- normal drilling conditions 25-35 Kg/m³
- unconsolidated Formations 35-40 Kg/m³
- Seawater Contamination 35-40 Kg/m³

Preparation

Mix with water using a high efficient mixer. To get best properties at least 6 hours of aging are required. Keep the mud in circulation during the use.

Packing Storage and Disposal

25 kg paper bags and jumbo bags
Keep the product in a dry place and closed in original packing.

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