

GEOSTOP®

GEOSTOP® is an organic polymer capable of absorbing water 50 – 800 times its own weight. This characteristic causes the swelling of the granules greater than 10 times of the original size. Once the polymer has absorbed water, it can be released only by chemical action and not by squeezing the swollen granules.

Specific advantages and benefits

- Strong & Fast Plugging capability
- Low solid content
- Optimized grain size & Easy to mix
- Quick hydration for max viscosity
- Working in about every type of soil:
- From moderate clay soils to high
- Concentrations of sand
- Respectful towards the Environment
- No fermentation and atoxic;
- Suitable for use in drilling water wells

Application

GEOSTOP® can be used in several applications :

- **LUBRICANT FOR PIPE JACKING**
Improve the lubricity power of traditional polymer and bentonite fluids.(0,5 – 1 Kg per cubic meter of mud)
- **LOST CIRCULATION SEALING AND GROUNDWATER CONTROL**
Carried by the mud into the fractures and voids of permeable ground, increases his volume and avoids any loss of circulation and groundwater movement.

Dosage depends on the severity of the fluid loss, on the nature of the soil formation and on the groundwater salinity (Dosage can be between 0,5 to 5 Kg per cubic meter of mud).

Preparation

Simply mix needed bentonite powder with water through a jet mixer or a high speed stirrer

Dosage

Dosage changes according to the kind of use and to stratigraphy. Our technical dpt. is available to establish the appropriate dosages according to the jobsite needs. Indicatively, as alternative to bentonite, the usage range is from 5 up to 7 Kg per m3 of water

Storage and Disposal

Added to aqueous waste it transforms them into a solid mass that can be easily removed. In this application GEOSTOP® can be used from the concentration of 5 Kg per cubic meter of fresh water up to 10 – 15 Kg per cubic meter of salt, hard and/or polluted water systems.

Packaging

- 25 Kg paper/valve bags

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