

Technical data sheet



Description

SC MUD® P is a powder synthetic water soluble polymer.
SC MUD® P is a powerful viscosifying agent recommended for all type of drillings especially when clay formation is encountered.

Applications

SC MUD® P based drilling muds are dedicated to:

- Water well drilling, soil sampling
- Horizontal directional drilling (HDD)
- Bored pile and d-wall construction
- Pipe jacking to enhance lubrication of BENTONIL based muds systems
- Slurry shield tunnelling to stabilize water sensitive formations and avoid clogging and plugging
- EPB tunnelling application as an efficient plasticizing and lubricant agent. Associated to SC FOAM® it improves the performance of these soil conditioning systems especially in coarse material.

Benefits

- Cost effective in both fresh and brackish water : small amounts produce high viscosity solutions
- Easy to use product : quick hydration time
- Enhances recovery in coarse formation
- Stabilizes plastic clayey soils
- Reduce clay sticking and prevent clogging
- Degradable material: not fermenting. Addition of strong oxidizers accelerates the breakdown of SC MUD® P slurries.
- Friendly to the environment.

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Physical properties

Appearance	White powder
Apparent density:	0,9 g/cm ³
pH of 0.2% solution :	7 – 8

Guidelines for use

▪ **Water based mud systems**

Depending on the application and soil conditions, the dosage range is between 0.5 to 3 kg/ m³ of water. Recommended mixing time on low speed is 5-10 minutes.

▪ **Bentonite based mud systems**

Depending on the technique and soil conditions, the dosage range between 0.2 to 2 kg/ m³ of bentonite suspension. SC MUD® P should be added in a pre-hydrated bentonite suspension. Recommended mixing time on low speed is 5-10 minutes.

▪ **Air Drilling (EPB tunneling)**

SC MUD® P is the product of choice to improve lubricating and stiffness of SC FOAM systems. 0.3 to 0.5 kg/m³ of water are recommended for optimum performance. Recommended mixing time on low speed is 5-10 minutes.

Packaging

In 25 kg paper bags

Storage

Keep the product in its original closed packaging above 0°C and no longer than 12 months.

Related Documents

MSDS & application sheets available on demand. Contact your CLARIANT technical representative for any further information or references.

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