

Cebo Hybrid-Gel



Cebo Hybrid-Gel is a high yield biodegradable fluid system based on natural polymers. The product provides high viscosity, excellent carrying capacity, low filtration losses and minimizes clay degradation. Cebo Hybrid-Gel can be used as a single sack, Bentonite-free, drilling fluid system in small diameter HDD operations (e.g. installation of glass fibre optic cables). The name Hybrid results from its second application possibility -adding it at low concentrations to a Bentonite-based drilling fluid to enhance its carrying capacity and gel strength. This makes Cebo Hybrid-Gel your number one fluid additive in most HDD operations under several geological conditions.

Functions

- Quickly builds viscosity at low concentrations.
- Minimizes clay and shale degradation.
- Supports workable fluid loss as a single sack solution.
- Works as a stabilizer and fluid enhancer in Bentonite-based fluids.
- Increases carrying capacity and gel strength.

Advantages

- Biodegradable.
- Higher yield at lower transportation costs compared to Bentonite.
- Can be mixed in a wide range of make-up waters (including salt water).
- Can be broken down chemically.
- Can be stabilized chemically for longer operation time.
- Certified as not water hazardous and environmentally harmless by Horn & Co. in Germany.
- PLONOR compliant.
- CEFAS registered.

	In fresh and salt water as single sack solution	In freshwater as a Bentonite fluid enhancer
Consolidated formations	2 - 4 kg/m ³	0.25 - 1 kg/m ³
Unconsolidated formations	4 - 6 kg/m ³	0.25 - 1 kg/m ³

