



## Product Data Sheet

# Cebo Hybrid-Gel

## Construction

**Cebo Hybrid-Gel** is a biodegradable fluid system based on natural, non-toxic polymers, and is defined as our staple environmentally friendly drilling product. Cebo Hybrid-Gel is extremely versatile; it can be used as a single-sack solution to quickly build viscosity and improve fluid loss, or alternatively used in addition to a Bentonite/polymer-based drilling fluid to stabilize and enhance fluid properties.

The product has an impressive low mixing ratio and is ideal for use in small scale operations (e.g. fiber optic cable installation). Cebo Hybrid-Gel minimizes clay and shale degradation and promotes effective solids suspension and transportation. Additionally, it provides higher yield at lower transportation costs in comparison to Bentonite.

### Typical Properties

Parameter	Test method / In accordance with	Required
Composition	-	Dry, free flowing polymer
Colour	-	Off-white
Form	-	Powder

### Recommended Use

Add Cebo Hybrid-Gel slowly and uniformly through a high shear Venturi-Hopper to fresh or salt water and maintain circulation until the fully dispersed and hydrated.

In fresh/salt water as single-sack solution:

- Consolidated formations: 2 - 4 kg/m<sup>3</sup>
- Unconsolidated formations: 4 - 6 kg/m<sup>3</sup>

In fresh water as a Bentonite-based fluid enhancer:

- Consolidated & unconsolidated formations: 0.25 – 1 kg/m<sup>3</sup>

In so far as we can ascertain, the above-stated information is correct. However, we are unable to provide any guarantees with regard to the results that you will achieve with this. This specification is provided on the condition that you determine yourself to what degree it is suitable for your purposes.

### **Recommended Use (continued)**

Addition of 1 - 3 kg/m<sup>3</sup> Calcium Hypochlorite promotes fast degradation of Cebo Hybrid-Gel suspension.  
Addition of 0,5 - 1,25 ltr/m<sup>3</sup> of 5,25% Sodium Hypochlorite works to retard degradation of Cebo Hybrid-Gel suspension.

### **Certification & Accreditation**

Cebo Hybrid-Gel is environmentally friendly, PLONOR compliant and CEFAS registered.  
The LAGA and water hazard class of Cebo Hybrid-Gel have been certified in Germany by Horn & Co. Analytics, proving its environmental harmlessness.



**Cebo Hybrid-Gel is available in 22 kg bags.**

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