



Product Data Sheet

CEBOGEL[®] QSE Plus

Construction

CEBOGEL[®] QSE Plus composes cylindrical pressed Bentonite rods made predominantly from sodium-activated Bentonite and is characterized by its impressive water absorption capacity. **CEBOGEL QSE Plus** is used to restore drilled clay layers and to lower permeability of dams and dykes during restoration and construction. In HDD operations, a key feature of **CEBOGEL QSE Plus** is its ability to rapidly swell when in contact with water, enabling the product to form a clay plug in the entry or exit pit, and resulting in fast and efficient sealing. **CEBOGEL QSE Plus** works effectively in slightly brackish water.

Advantages

- Rapid sealing & swelling
- High water absorption capacity
- Easy to install

Typical Properties

Parameter	Test method / In accordance with	Required
Moisture content	% on wet/Halogen 150°C	≤ 20%
Grain size	Length	5 – 20 mm
	Diameter	7 – 9 mm
Specific density	-	≈ 2600 kg/m ³
Bulk density	-	≈ 1100 kg/m ³
Smectite content	XRD	≥ 60%
Methylene blue	VDG P69	≥ 300 mg/g
Plate water absorption	ASTM E946-92	≥ 650%
Permeability (k-value)	CUR, via Tri-axial cell	1 x 10 ⁻¹² (m/s)

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

Slow, careful and even dosing is required for an optimal result. Bridging can occur in the event of dosing too rapidly. Preferably install through a tremie-line in Vertical Drilling operations.

Certification & Accreditation

- **KIWA BRL-K265 certificate**



CEBOGEL QSE Plus is available in 25 kg bags and 1000 kg big bags

Version; 03-2024

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.

**Cebo Holland BV
Westerduinweg 1
NL-1976 BV IJmuiden
The Netherlands**

**info@cebo.com
www.cebo.com
Tel. +31(0)255-546262**

