




Cebogel QSE

Industrial Drilling

Description & Properties

Cebogel QSE are **cylindrical pressed Bentonite rods** (granules) made from 100% sodium activated Bentonite. This ensures a strong virtually watertight layer which can make dams and dykes water impermeable. A characteristic of Cebogel QSE is its considerably **water absorption capacity** which allows it to **swell up** considerably when in contact with water, this can be used for sealing irregularities in the borehole wall or to fill out hard to reach cavities.

Cebogel QSE is **KIWA certified** in the field of toxicological aspects and complies with the requirements of the **KIWA guideline BRL-K265**. Cebogel QSE is delivered with the **KIWA Water Mark** certificate. Cebogel QSE is suitable for use within the **BRL SIKB 2000** requirements.

Typical properties

<u>Parameter</u>	<u>Test method / In accordance with</u>	<u>Requirement</u>	<u>Typical property</u>
Smectite content	XRD		75%
Moisture content	DIN 18121-1		17%
Specific density			≈ 2600 kg/m ³
Bulk density			≈ 1100 kg/m ³
Water absorption capacity after 24 hours	ASTM E946-92	≥ 600% (BRL-K265)	800%
Permeability (k-factor)	CUR, via Tri-axial cell		1 x 10 ⁻¹² (m/s)
Sinking speed in water			17 m/min
Density saturated with water			1,55 t/m ³
Swell Index			220%
Composition			High quality sodium activated Bentonite
Colour			Grey/yellow
Form			Cylindrical rods
Dimensions			Length 5 - 20 mm Diameter 5 - 7 mm



Recommended use

Careful and even dosing are required for an optimal result. Bridge formation can occur in the event of dosing too rapidly.

Cebogel QSE is available in 25 kg bags and in big bags.

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.

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