



Product Data Sheet

CEBOGEL® QSE-400

Construction

CEBOGEL® QSE-400 composes granulated, sodium-activated Bentonite and is ideally used for waterproofing and lowering the permeability of dams and dykes. The product is highly-absorbent with rapid swelling properties, enabling it to be a fast-sealing solution for multiple applications. Due to the granular size of CEBOGEL QSE-400, it is easy to mix with existing formations such as sand and soil; this promotes an even dispersion of granules.

Advantages/Functions

- Small granular size: easy to mix and disperse amongst sand and soil
- High water absorption capacity
- Quick sealing solution
- Compatible with slight Brackish water
- Can be mixed with Bentonite fluid to create a low permeable grout

Typical Properties

Parameter	Test method / In accordance with	Required
Moisture content	DIN 18121-1	≤ 16%
Grain size	> 4.0 mm	Max. 5%
	< 0.2 mm	Max. 5%
Specific density	-	≈ 2600 kg/m ³
Bulk density	-	≈ 1100 kg/m ³
Smectite content	XRD	≥ 70%
Methylene blue	VDG	≥ 300 mg/g
Plate water absorption	ASTM E946-92	≥ 650%
Permeability (k-value)	Triaxial 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.

CEBOGEL QSE-400 is available in 1000 kg Big Bags.

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