



Cebogel CE

Civil Engineering & Industrial Applications

Description & Properties

Cebogel CE is a specially selected sodium activated Bentonite characterized by a **high water absorption capacity**, which makes it very effective in several industrial applications. Cebogel CE can be used in civil technical applications as in **diaphragm- and slurry walls**, as well as a semi-finished industrial product. This quality makes **sand/Bentonite** mixes capable of binding water and creating a very low permeability. Its resistance against calcium makes it an efficient quality used as **carrying liquid** during the excavation of diaphragm walls in Cement contaminated soils.

Cebogel CE complies with the requirements in **CUR 189** recommendation (Cement/Bentonite screens) and **CUR 33** recommendation (granular layers).

Cebogel CE is delivered with the **KIWA Water mark certificate**.

Typical properties

<u>Parameter</u>	<u>Test method / In accordance with</u>	<u>Requirement</u>	<u>Typical property</u>
Moisture content	DIN 18121-1	Max. 13%	10%
Grain size	Passing 125 µm dry sieve	Min. 95% < 125 micron	97%
	Passing 63 µm dry sieve	15% - 45% > 63 micron	25%
Specific density			≈ 2300 kg/m³
Bulk density			≈ 900 kg/m³
Smectite content	XRD	Min. 70%	77%
Methylene blue	VDG	Min. 300 mg/g	350 mg/g
Plate water absorption	ASTM E946-92	Min. 650%	700%
Enslin value after 24 hours	DIN 18132	Min. 500%	640%
Swell Index	ASTM D5890	Min. 24 ml/2 g	28 ml/2 g
Marsh funnel viscosity (4%)	Marsh Funnel	29 - 33 sec.	30 sec.
7,5 min Fluid Loss, 24 hrs. (4%)	API Filter Press	Max. 15 ml	10 ml



Recommended use

Depending on the application, the mixing ratio is between 30 - 100 kg Cebogel CE per m³.

Cebogel CE is available in 25 kg bags, big bags and as bulk.

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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