



# Product Data Sheet

# Cebo QSM

## Application

**Repair of punctured or damaged clay layers**

## Description

**Cebo QSM** are cylindrical bentonite rods made from carefully selected calcium bentonite. A characteristic for the **Cebo QSM** is the low water absorption capacity, which cause a medium swelling in contact with water, compared with the Cebo QS product line.

## Properties

Cebo QSM has the following properties;

### Light swelling power

Cebo QSM are pressed bentonite rods which will have a light swelling capacity for sealing of irregularities in the borehole wall or difficult to reach cavities.

### Low water permeability

Cebo QSM is made of pure calcium bentonite. This ensures a water permeability which meets the requirements as set by the SIKB.

Cebo QSM has the following typical values;

Typical values Cebo QSM			
Parameter	Test method	Requirement	Typical value
Montmorillonite content	X-ray diffraction	-	80%
Moisture content	DIN 18121-1	-	19,5%
Specific density	-	-	2100 kg / m <sup>3</sup> +/-10%
Bulk density	-	-	1100 kg / m <sup>3</sup> +/-10%
Water absorption capacity after 24 hours (Enslin)	ASTM E946-92	≥ 200% (BRL-265/01)	230%
Permeability (k-factor)	CUR, via Tri-axial cell	-	1 x 10 <sup>-9</sup> (m/s)
Sinking speed in water	-	-	17 m/min
Density saturated with water	-	-	1,6 t/m <sup>3</sup>
Swelling capacity	-	-	150%



**Cebo Holland**

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## Recommended use

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

Cebo QSM has the following chemical and physical properties;

Chemical and physical properties Cebo QSM	
Composition	Carefully selected calcium bentonite
Colour	Grey/Yellow
Form	Cylindrical rods
Dimensions	Diameter 6,5 mm Length 5 - 20mm

## Packaging

Cebo QSM is available in the following packaging;;

- 1050 kg packed in 25 kg bags on a pallet with shrink film
- 1000 kg big bag

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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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