

## Description

DantoCon Cem 100 is a bentonite-based sealing material with a concrete-like strength.

It is typically applied where you wish to seal off various types of constructions against water or otherwise unwanted environmental inflictions - above or below ground.

The material is delivered as a ready to mix dry powder and needs only to be mixed with freshwater before use. Four weeks after mixing, the material reaches its permanent permeability and strength.

The product is sulfate resistant.

## Specifications

Typical product values after mixing with the specified amount of water (freshwater with pH 7).

Description	
Concentration (% water)	50
Density of the ready mix (kg/l)	1,47
Hydraulic conductivity after 4 weeks (m/sec)	$2 \times 10^{-11}$
Water residue after 24hrs. (%)	< 1
Compressive strength after 4 weeks (MPa)	7,8

Values depend on water quality and mixing procedure

## Recommended application

Use mixer systems which ensure a precise water/material mixing ratio. Always mix the entire content of the bag at one time.

Ensure that all material is completely and homogeneously mixed into suspension before applying the material.

The necessary time of mixing to reach sufficient viscosity will depend on the specific mixer which is used. Marsh Funnel viscosity will typically be >60 sec., depending on the specific mixer and duration of mixing.

Mixing ratio per 1 m <sup>3</sup> ready mixture	
Water (l)	725
DantoCon Cem 100 (kg)	725

Mixing ratio per 1000 kg dry material	
Water (l)	1,000
DantoCon Cem 100 (kg)	1,000

You are always welcome to contact us directly for a further elaboration of application and mixing process.

## Packaging

40 x 25 kg sacks.

Store dry until usage.



Rev. 23.02.2022

All information contained herein is believed to be accurate and supplied solely for informational purposes. Dantonit makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information. Because the conditions of use of these products are beyond Dantonit's control, the products are sold upon condition that purchaser makes its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product.