

Description

DantoCon Cem 300 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)	41
Density of the ready mix (kg/l)	1.64
Hydraulic conductivity after 4 weeks (m/sec)	1×10^{-10}
Water residue after 24hrs. (%)	< 1
Compressive strength after 4 weeks (MPa)	27.6

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 ³ ready mixture	
Water (l)	675
DantoCon Cem 300 (kg)	965

Mixing ratio per 1,000 kg dry material	
Water (l)	700
DantoCon Cem 300 (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.



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