

Product description

DantoCon Thermal C2L is a thermally conductive grouting material that is used to seal geothermal probes.

After two weeks the material reaches a permanent consistency that combines high thermal conductivity with high resistance to environmental influences.

The product is sulfate resistant.

Specifications

Complies with VDI 4640-2 (2019) Thermal use of the subsurface, sheet 2.

Frost resistance in accordance with the specifications of the BSU Hamburg (BSU 2013).

Typical product values after mixing with the stated amount of fresh water (pH 7).

Characteristics	
Concentration (water content in %)	43
Thermal conductivity after 2 weeks (W / mK) ASTM.D5334-14	> 2.1
Permeability coefficient (m /s)	3×10^{-11}
Suspension density (kg /l)	1.59

The values depend on the water quality and the mixing method.

Preparation recommendations

Only use mixing systems that can guarantee an exact water / solids ratio.

Always mix the entire contents of the sack at once.

Make sure the suspension is mixed thoroughly and homogeneously before initiating the pumping process.

The length of mixing time to achieve the correct suspension density / viscosity is up to the mixer and the mixing time dependent. The Marsh funnel time of the suspension is typically >60 seconds.

Mixing ratio for 1 m ³ of ready-made suspension	
Water (l)	664
DantoCon Thermal C2L (kg)	886

Mixing ratio per 1,000 kg of powder	
Water (l)	750
DantoCon Thermal C2L (kg)	1,000

For further product or application information, please feel free to contact us at any time.

Packaging (one-way pallet)

40 x 25 kg sacks

2 x 500 kg big bags

1,000 kg big bag

Store dry until usage.



Rev. 23.02.2022

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