



Product Data Sheet

Cebo Thermo-Grout Lite

Construction

Cebo Thermo-Grout Lite is a specially formulated, high-yield, self-setting higher thermal conductive grout. The product can be used in Vertical Drilling and HDD applications to completely fill annular spaces where a high thermal conductivity is required.

Cebo Thermo-Grout Lite sets as a plastic seal with a low water permeability which prevents mixing of underground water layers. By using Cebo Thermo-Grout Lite, heat can be conducted more efficiently from or towards the ground.

Advantages

- **Consistent thermal properties.**
- **Easy to mix.**
- **Low mixing ratio.**
- **High flowability.**
- **Minimum sag.**
- **Can be mixed with a large variety of existing mixing equipment.**
- **Not based on Sand, resulting in minimal wear and tear.**
- **Thermal conductivity of 1,4 W/m*K (proven in field and laboratory).**

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.

Typical Properties		
Parameter	Test method / In accordance with	Typical Property
Viscosity	Marsh Funnel	≈ 49 seconds
Suspension Density	ASTM D5890	1.235 kg/m ³
Ready product weight (1 litre)	-	1235 g
Free water after 24 hours	Cylinder	< 1%
Compressive Strength 28 days	DIN EN ISO 17892	1,5 MPa
Water Permeability (k-value)	DIN EN ISO 17892-11	< 1,0x x10 ⁻¹⁰
Thermal conductivity	Isomet 2104	≈ 1,4 W/m.K
Thermal resistivity	Isomet 2104	≈ 0,7 m.K/w

Recommended Use

Add slowly and uniformly through a Venturi-Hopper into a high shear mixing system. Circulate the slurry until the Cebo Thermo-Grout Lite is fully dispersed and hydrated.

Formulation/m³: 400 kg Cebo Thermo-Grout Lite and 840 litres water.

Certification & Accreditation

Cebo Thermo-Grout Lite is recognized and registered according to BRL 5078 by Bodem+.

Cebo Thermo-Grout Lite is available in 950 kg Big Bags.

Version; 04-2022

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