

Product Data Sheet

CEBO



Thermo-Grout Lite

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

- High thermal efficiency – High thermal conductivity ensures efficient heat transfer to and from the ground, ideal for energy and geothermal applications.
- Secure and watertight filling – Self-setting grout fully fills annular spaces and hardens into a low-permeability seal, preventing groundwater mixing and ensuring long-term performance.

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: v5 2026

*As far as we can judge, the above information is correct. However, we cannot give you any guarantees about the results you will achieve with this. This description is offered to you on the condition that you decide for yourself to what extent it is suitable for your purposes.

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