

Thermo-Gel

CEBO Thermo-Gel is a cement-free grouting solution composed of high-quality bentonite and carefully selected mineral fillers. The product has been developed for geothermal applications where stability, thermal efficiency, and durability are paramount.

Advantages

- Cement-free, non-irritating formulation for safer handling and lower environmental impact.
- Quickly soluble with controlled swelling/viscosity, delivering smooth pumpability and a durable, thermally conductive seal.

Typical Properties at 1.5 – 2.5 Liters of Water per 1 kg CEBO Thermo-Gel

Parameter	Test method / In accordance with	Required
Grout volume	-	2000 - 2900 ltr
Density	-	1.20 - 1.35
Thermal conductivity	ASTM D5334-22a	1,0 - 1,2 W/m·K
Permeability	-	1 x 10 ⁻⁹ (m/s)

The thermal conductivity varies depending on the mixing ratio, mixing method, and application conditions. While values up to 1,0 - 1.2 W/m·K can be achieved under controlled laboratory conditions, such levels may not be consistently reached in the field due to practical variations and environmental factors.

Recommended Use

For optimal results, slow, careful, and consistent mixing is essential. Preferably use a mechanical mixer to achieve a homogeneous mixture and prevent lump formation.

Certification & Accreditation

CEBO Thermo-Gel complies with BRL 5079 and is certified under the BSB® Product Certificate K-0226544-1.

CEBO Thermo-Gel is available in 25 kg bags & 500 kg big bags.

Version; v1 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.