

Description

Geotherm-x GR® is a ready-to-use, tailor-made dry injection mortar for high-quality filling of geothermal wells.

Properties

Geotherm-x GR® is a pre-mixed product made from various natural ingredients. Once mixed with water, it becomes an easy-to-inject grout. After injection, the grout maintains a stable volume in the borehole, ensuring that the different water tables are watertight. Thanks to the good clogging of the thermal probe, the excellent heat transfer and the efficiency of the whole system are ensured. Geotherm-x GR® has a strong clogging effect (permeability < 10E-09). It has been approved by several international bodies.

Possible uses

Geotherm-x GR® is used for well drilling for heat pump systems and provides even better thermal conductivity than conventional Geotherm-x products.

Geotherm-x GR® is used to clog and seal boreholes after inserting geothermal probes.

Instructions for use

Geotherm-x GR® can be used in all commercially available mixers (pulsation mixers, continuous mixers or colloidal mixers).

Technical properties

Product/water ratio per m³	Density (T/m3)	λ (W/mK)	Segregation
1160 kg / 580 l	1,74	≈ 2.0	$\leq 2 \%$

Packaging

In 25 kg bags on a 1.2 T one-way pallet with protective cover.

In big bags of 1 T or 500 kg (2BB/pallet)

Storage conditions

When stored on pallets in a dry place, the product can be kept for at least 6 months.

The technical properties mentioned here are the result of laboratory tests carried out according to a protocol defined by Euroquartz. The end customer will ensure that the product is suitable for its specific application. Euroquartz NV strives to ensure that the indicated data and information are correct, nevertheless, Euroquartz NV does not wear direct or indirect liability as the use of its products is outside of its control. Products are sold under the general terms and conditions of sale that are available on request or can be found on our invoices.

