

MORCEM® GEOGROUT



DESCRIPTION

High-conductivity grout for pumping, injecting and filling in geothermal plant heat exchangers.

TECHNICAL CHARACTERISTICS

Product comprised of hydraulic bonding materials, micronized minerals, natural marl soils and other additives.

ADVANTAGES AND USES

- Highly fluid and cohesive mixing.
- High resistance to salts.
- No separation or exudation.
- Low content of soluble salts.
- High mechanical resistance.
- Excellent sealing, maintaining continuity between the probe and bore walls.

APPLICATION PROCEDURE

- Make the boreholes in the ground and install the probe.
- Fill the interior annular space between the probes and interior bore walls with the mixed grout using a pump fitted with appropriate mixing and pressure control system.
- Mechanically mix with the stated amount of water (5.5-6.3 l per sack) until a fluid consistency is achieved gradually adding the powder to a part of the recommended amount of water.
- If necessary the amount of water added to the mixture can be reduced increasing the fluid viscosity for situations where the ground is very permeable, thick sands or cavities. The injection equipment can be limited in these situations to the pressure of the work necessary.

RECOMMENDATIONS

- Do not reuse previously mixed product.
- Do not apply under 5°C nor above 30°C.
- Do not apply if there is a risk of freezing.

PACKAGING AND STORAGE

15 kg plastic-lined paper bags.
Shelf life: 1 year in sealed original packaging, sheltered from weather conditions and humidity.

TECHNICAL DATA

Appearance	Grey powder
Water of mixed product	37-42%
Density of mixed product	1700 ± 200 kg/m ³
Resistance to compression	>10 N/mm ²
Fluidity cone (section 4 mm)	< 200 sg
Exudation	Exempt

CONCRETE REPAIR

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LEGAL DISCLAIMER

Resistance to sulphates (90 days dissolution Na ₂ SO ₄ at 5%)	Without loss
Performance	1300 kg/m ³
Thermal Conductivity	0.035-0.038 W/mK

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