CONCRETE REPAIR



MORCEM® GEOGROUT



DESCRIPTION

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

TECHNICAL CARACTERISTICS

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 MORCEM® GEOGROUT

Resistance to sulphates (90 days dissolution Na2So4 at 5%)	Without loss
Performance	1300 kg/m ³
Thermal Conductivity	0.035-0.038 W/mK

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMAS's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.

