

MUOVITERM - RE - FILLING MATERIAL FOR BOREHOLE



MUOVITERM DESCRIPTION

MuoviTerm is a dry mortar, made of natural clay minerals with the chemical resistance particularly designed for refilling of the geothermal wells.

MuoviTerm is a reconstituted product which requires only the addition of water. The technical characteristics MuoviTerm exhibit can only be achieved if the material is mixed with the appropriate volume of water. Mix in a mixer-pump unit to obtain a completely homogeneous component. MuoviTerm containing a specific binding agent that exhibits particularly high resistance to water is aggressive against the concrete. MuoviTerm contains selected ingredients and are therefore suitable for use in water protection areas to protect groundwater. All properties in MuoviTerm allows the injection provides a permanent high thermal efficiency. The thermal efficiency of the entire system largely depends on the energy which must be transfer as easily as possible between the rock and the heat transfer fluid with loss as low as possible. With MuoviTerm achieved a permanent connection between the rock and the collector through the optimized clay and mineral mix.



TECHNICAL SPECIFICATION

Mixing Parameter
 1m^3 readymix =
1050 kg of MuoviTerm
+ 631 l water

Technical Specification

Density of ready-mix:
approx. 1.65 kg/m³

Viscosity (t0): 50 ± 70 s

Water separation <1.0%

Thermal conductivity:
approx. 2.0 W/mK

Delivery and storage

25kg sacks on pallets.
Storing in a dry place.



BENEFITS OF USING MUOVITERM

- ✓ High thermal conductivity (approx 2.0 W / mK)
- ✓ Permanent contact between the collector and rock
- ✓ Provides a more uniform heat exchange by the system
- ✓ Protects groundwater
- ✓ Keeps a constant volume at all times
- ✓ Mix only with water in the workplace
- ✓ User friendly
- ✓ Resistant to sulphate
- ✓ Controlled during production



*All data described in the product data sheet is measured under laboratory conditions of a normal measurement tolerances.

TURBOCOLLECTOR®
BY MuoviTech®



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