



THERMAL GROUT

MANUFACTURER

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DESCRIPTION

THERMAL GROUT is a blend of Portland cement, silica sand and additives used for grouting bore holes used for geothermal heat pumps. THERMAL GROUT is pumpable and non-shrinking with low permeability.

MIXING & APPLICATION

Place clean cool water into the mixing vessel at .90 to 1.10 gallons per 50 lbs of grout. Agitate for approx. 5 minutes to a smooth, lump free consistency. The grout may now be placed in the hole by appropriate pumping equipment.

YIELD

1 gallon water mixed with 50 lbs powder will yield approx. 0.48 cubic feet.

LIMITATIONS

Do Not allow placed grout to freeze for 48 hours. Colder materials and temperatures will slow down set times and strength gain.

TECHNICAL DATA

Compressive Strength
ASTM C-109

24 hrs.	2000 PSI
7 days	5100 PSI
28 days	7000 PSI

Thermal Conductivity
ASTM D-5334

1.76 Wm -1 C -1
1.02 Btu/ft – hr-of

PACKAGING

50 lb. paper bags
2500 lb. bulk bags

CLEAN UP

Clean up is simple and easy with soap and water. Rinse tools before material hardens.

PRECAUTIONS

Contains Portland cement; avoid eye contact and prolong contact with skin. Wash thoroughly after handling. In case of eye contact, flush with water for 15 minutes. Consult a physician immediately. Keep out of reach of children. Contains free silica - DO NOT breathe dust. May cause delayed lung injury. Follow OSHA safety and health standards for crystalline silica (quartz). See material safety data sheet for detailed information