

Product data sheet

Reader 2K Geothermal Grout

The Product

A blend of quality assured raw materials, used in conventional Civil Engineering Applications specifically formulated for use in Geothermal Heat Pump Grouting Technologies including Ground heat source loops.

Performance

The mixed product offers good pumpable qualities, good flow characteristics, and is designed to provide a high Thermal Conductivity Performance having been independently tested to provide a 2.175 K performance and provides the following attributes :-

- Quality assured manufacture
- UK produced - low carbon footprint
- Non setting
- Single bag product eliminates on site blending
- Easy to mix
- Fast equipment clean down time
- Consistent / easy pumping performance and flow
- High thermal conductivity
- Low permeability

The product is supplied in dry powder form, and represents a single bag solution, to the Geothermal Grouting processes, therefore ensuring accuracy in materials usage, with each bag requiring only the addition of water together with a suitable mixing process.

Use

For use in the filling of Geothermal Boreholes, including area's of Over break.

Properly mixed TAM Geothermal has excellent pumping / placing characteristics over long distances, and over prolonged periods.

Water

The product should be mixed using water which complies with BS 3148: 1980 at a 0.33 water / solids ratio. (equivalent to : 8.25 litres per 25 kg bag water solids ratio).

Packaging and Storage

Palletised material should be stored clear of the ground, sheeted and preferably under cover.

The pallets should not be stacked more than two high with the material being used on a first in, first out basis.

The shelf life for the product is 6 Months from receipt of purchase if stored correctly.

Quality

All Reader products are Randomly tested in accordance with specific procedures to ensure compliance to specification prior to despatch and are subject to the controls of a BS EN ISO 9001 approved quality system.

Technical advice is available on the application of all Reader products on their Helpline telephone number 01623 518350.

Health and Safety information

When mixed with water Reader 2/K Geotherm may cause skin and eye irritation. We therefore advise the use of barrier creams, gloves and protective eye wear as a precaution when using these products.

A further detailed CoSHH Health and Safety Data Sheet for this product is available on request via the Reader Helpline number quoted above.