THERMAL INSULATION: TECHNICAL DATA SHEET V7/2009

Description

Glass mineral wool insulation is supplied in roll and batt form and is suitable for providing excellent thermal insulation performance in domestic type pitched roofs. It contains an acoustic property and repels a nominal amount of water. Product is Non-hygroscopic. The material is a high quality thermal insulation material being non combustible, supplied in a number of thicknesses. The dimensions are compatible with conventional joist spacing.

Benefits

When supplied in vacuum packed roll form it reduces the need for a large storage area. The packaging allows for easy access via the ceiling access void. The durable product is not easily damaged in storage, transportation or on site when being installed. It is supplied in strong textile bags with a plastic inner liner. The packaging is weather proof.

The product is odourless, inert and compatible with standard building materials and components. Installation is straight forward, and due to the inherent compliance of the product it is not necessary to trim to fit between joists.

The product is non-combustible and compliant with AS1530.1. The following index applies:

- Ignitability index-0
- Spread of flame index-0
- Heat evolved index-0
- Smoke developed index-0

When used as a full cavity it constitutes a cavity fire barrier. (A1 fire rating when classified in accordance with BS EN 13501-1)

The material has a nominal alkaline presents with a pH 8.0 when tested to British Standard 3958 Part 5-1999. It will not accelerate corrosion with steel, copper or aluminium. The glasswool will not sustain vermin and will not breed or promote fungi or bacteria.

Glasswool is manufactured from silica sand, an occurring mineral and sustainable resource with recyclable properties. The manufacturing process does not use or contain CFC’s and HCFC’s. The material is manufactured under AS/NZ 4859.1 2002 & British EN ISO 9001: 2000 Standard.

The product has a thermal performance @ 12kgm3 of 0.044W/m.k and a maximum operational temperature of 350 oC. This product has been certified by an accredited laboratory.

PO Box 58 188, Botany, Manukau 2163, New Zealand
Ph: (09) 271 3177 Fax: (09) 273 6203 Email: admin@coolnheat.co.nz www.coolnheat.co.nz

The material is supplied in the following format:

Rolls:

A second layer can be cross-laid (at 90 degrees to the joists) over the top of the first layer to improve thermal performance. Other sizes can be prepared with sufficient lead time.

Material R value	Roll Size mm	Rolls Per Pack	Density Kg m3	Area per Pack m2	Coverage Per Pack m2
3.0	580	2	12kg	7	7.9
3.5	580	2	12kg	7	7.9