

Technical Data Sheet Paratherm G™ PIR Insulation

Product Description / Use:

Paratherm G™ is a high performance rigid thermoset polyisocyanurate (PIR) flat roofing insulation board and is suitable with MOY's fully adhered single ply, partially bonded built-up felt and cold liquid applied waterproofing (with carrier membrane) systems.

It is faced on both sides with a coated glass tissue, autohesively bonded to the insulation core during manufacture.

Benefits:

- High performance rigid thermoset insulation
- Amongst the more thermally efficient insulation products for flat roofs
- Manufactured with a blowing agent that has zero ODP and low GWP
- Available with FM Approval to FM 4470.
- Fully compatible with MOY single ply (non-bituminous) membranes fully bonded with MOY adhesives.
- Fully compatible with MOY cold applied liquid waterproofing systems (with carrier layer).
- Compatible with MOY green roof systems
- Resistant to the passage of water vapour
- Easy to handle and install
- Ideal for new build and refurbishment
- Also available as a tapered insulation system, to create the fall in the roof (Paratherm G™ Tapered)



System Fire Testing:

Test Standard: CEN/TS 1187: 2012

Classification Standard: BS EN 13501-5: 2016 *

warringtonfire

* Determination of external fire performance is a system test which will be influenced by the components within the roofing system.

Whilst Paratherm G™ can be included in compliant B_{ROOF (t4)} systems, always check with MOY Technical Services for the very latest information on fire testing carried out.

Thermal Conductivity:

The thermal conductivity (or lambda value) shows how well a material can conduct heat. The lower the thermal conductivity, the better the insulator.

Paratherm G™ has a thermal conductivity of:

- 0.027 W/mK (insulant thickness < 80 mm)
- 0.025 W/mK (insulant thickness 80 - 119 mm)
- 0.024 W/mK (insulant thickness ≥ 120 mm)

Board Sizes:

- 1200 x 600 mm
- 1200 x 1200 mm
- 1200 x 2400 mm



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Thicknesses:

- 25 mm (1200 x 600 mm boards)
- 50 - 150 mm (1200 x 1200 mm boards)
- 100 - 160 mm (1200 x 2400 mm boards)

For specific product availability always check with MOY.

Weight:

Paratherm G™ has an approximate weight of 4.04 kg/m² at a thickness of 100mm.

Compressive strength:

Compressive strength is a material's ability to maintain its structural integrity when compressed. The higher the compressive strength the better the material is at maintaining its structural integrity.

The compressive strength of Paratherm G™ typically exceeds 150 kPa at 10% compression.

Technical Specification:

Detailed product characteristics for this product are given in Declaration of Performance (DoP).

Sustainability Information:

Paratherm G™ is produced at manufacturing facilities certified to BES 6001 (Framework Standard for the Responsible Sourcing of Construction Products) 'Very Good'.

Installation and handling:

For information on installation and handling please refer to specific product guidance and the project specification.

Storage:

Ideally, boards should be stored inside a building. If, however, outside storage cannot be avoided, then the boards should be stacked clear of the ground and covered with an opaque polythene sheet or weatherproof tarpaulin. Boards that have been allowed to get wet should not be used.

Disposal:

Information for this product is given in the Safety Data Sheet.