

## Technical Data Sheet Paratherm F™ PIR Insulation

### Product Description / Use:

Paratherm F™ is a high performance rigid thermoset polyisocyanurate (PIR) flat roofing insulation board, offering a low thermal conductivity of 0.022W/mK, and suitable for with MOY's mechanically fixed single ply membrane systems.

Its installation technique makes it an ideal flat roof insulation solution for fast track building programmes.

It is faced on both sides with a low emissivity composite foil, 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 mechanically fixed membranes.
- Compatible with MOY green roof systems
- Resistant to the passage of water vapour
- Easy to handle and install
- Ideal for new build fast track installation
- Also available as a tapered insulation system, to create the fall in the roof (Paratherm F™ 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 F™ can be included in compliant B<sub>ROOF (t4)</sub> 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 F™ has a thermal conductivity of 0.022 W/mK.

### Board Sizes:

- 1200 x 2400 mm

### Thicknesses:

- 25 mm - 160 mm

For specific product availability always check with MOY.





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### **Weight:**

Paratherm F™ has an approximate weight of 3.5 kg/m<sup>2</sup> 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 F™ 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 F™ 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.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.