

Product Datasheet

Alumasc FF PIR Insulation

Sheet No: PD107FR
 Issued: July 2021
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Description

Alumasc FF PIR Insulation is a CFC and HCFC free rigid urethane thermal insulation board. The boards are square edged, with composite foil facings on both sides. The urethane element is yellow in colour.

Use

For use as a thermal insulation board under mechanically attached single ply membranes, or thermo adhered and self adhered membranes in warm roof assemblies, as an integral part of the waterproofing system. Not suitable for inverted roofs. Available as a preformed modular tapered system to standard gradients of 1:60 and 1:80.

Approvals

- Manufactured in accordance with ISO 14001:2004 and ISO 9001:2008.
- PIR foam is produced according to BS EN 13165: 2008 Thermal insulating products for buildings – Factory made rigid polyurethane foam products – specification.
- Alumasc FF PIR Insulation is compliant with BS 4841-4: 2006.

Application

- Attach the boards as specified with staggered end joints, and, in the case of tapered systems, in accordance with the layout drawing.
- The boards can be cut with a fine-toothed saw.

Fire Rating

The overall fire rating will be determined by the nature of the waterproofing and surfacing applied.

Storage

- Store in a clean, dry location, away from heat sources. Do not leave exposed to direct sunlight.
- Boards should be stored inside a building wherever possible. If outside storage is unavoidable the packaging alone cannot under any circumstances be relied upon to provide protection from moisture.
- Boards that have become wet during storage should be replaced accordingly.

Product Data

Standard Thicknesses	70 - 160mm
Width	1200 mm
Length	2400 mm
Density	approx 32kg/m ³

Performance Data

Thermal Conductivity ('k') value	0.022 W/m°C
Compressive Strength @ 10%	>150kN/m ²
Maximum permanent working load (EN 1606)	40 kN/m ²
Ozone Depletion Potential (ODP)	Zero

Environmental Data

Ozone Depletion Potential (ODP)	0
Global Warming Potential (GWP)	3
BREEAM Green Guide Rating	A

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Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from www.alumascroofing.com.

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: technical@alumascroofing.com

The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.

