

Product Datasheet

Alumasc BGT PIR Insulation

Sheet No: PD105FR
 Issued: July 2021
 Pages: 1 of 2

Description

Alumasc BGT PIR Insulation is a CFC and HCFC free, rigid polyisocyanurate thermal insulation board. The boards are square edged and faced with a bitumen glass fleece on both sides and the boards are yellow in colour.

Use

For use as a thermal insulation board in warm roof assemblies, as an integral part of a waterproofing system. Not suitable for inverted roofs.

Also available as a preformed modular tapered system to standard gradients of 1:60 and 1:80, and as 50 x 50mm angle fillets (36lm per pack).

Standards & 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 BGT 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, off the floor and 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	30mm-150mm
Width	600 mm
Length	1200 mm
Density	approx 31kg/m3

Performance Data

Thermal Conductivity ('k') value <80mm	0.026 W/m°C
80-119mm	0.025 W/m°C
= >120mm	0.024 W/m°C
Compressive Strength @ 10%	>150 kN/m2
Maximum permanent working load (EN 1606)	40 kN/n2

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.

