

Product Datasheet

Alumasc BGT Polyisocyanurate Insulation

Sheet No: PD105FR

Issued: May 2012

Pages: 1 of 2

Description

Alumasc BGT Polyisocyanurate Insulation is a CFC and HCFC free, rigid polyisocyanurate thermal insulation board. The boards are square edged. One side is faced with a bitumen impregnated glass tissue, black in colour, whilst the other side is faced with a bitumen/polypropylene fleece. The urethane element is 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. Available as a preformed modular tapered system to standard gradients of 1:60 and 1:80.

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 Polyisocyanurate 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.
- Lay with polypropylene fleece side up for torch on and mastic asphalt systems.
- Lay with bitumen impregnated glass tissue face side up for pour and roll systems, self adhesive and thermo-adhered membranes, and bitumen compatible single ply membranes.
- The boards can be cut with a fine toothed saw.

Fire Rating

The overall fire rating (to BS 476 pt3:2000) 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	50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160mm (170- 200mm available to order)
Width	834 mm
Length	1200 mm
Density	Urethane - approx 31kg/m ³

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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%	Urethane >150kN/m ²
Ozone Depletion Potential (ODP)	0
Global Warming Potential (GWP)	3
BREEAM Green Guide Rating	A

Health & Safety

Material Safety Data Sheets are available upon request, and can also be downloaded directly from www.alumascwaterproofing.co.uk

Technical Support

Technical advice is available from Alumasc Technical Services at:

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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.