

Description of Product

Alumasc BGT PIR Insulation is a rigid thermoset polyisocyanurate board faced with a bitumen glass tissue on the upper surface. Available in uniform thicknesses and can also be supplied as a tapered insulation system to create falls for roof drainage.

Suitable for use in warm roof constructions beneath torch-applied bituminous waterproofing membranes.

Product Information

Alumasc BGT PIR Insulation								
Product code	PUBGT							
Composition	Polyisocyanurate (PIR) core							
Facing	Upper surface: Bitumen glass tissue							
Edge profile	Square							
Length / Width	1200 x 600mm (0.72m ²) at 30 - 130mm				1200 x 1200mm (0.72m ²) at 140 - 150mm			
Thickness* (mm)	30	50	80	100	120	130	140	150
Indicative weight (kg/m ²)	1.93	2.60	3.44	4.27	4.94	5.28	5.33	5.45

* The above are our standard stocked thicknesses; stock availability may vary at the time of ordering. Additional thicknesses are available on request. Factory pre-bonded boards are available from 160mm to 280mm and are manufactured to order.

Alumasc BGT PIR Cut to Falls Insulation	
Length / Width	1200 x 1200mm (1.44m ²)
Taper gradient	1:60
Design	Full tapered insulation design and layout service available

Technical Information

Characteristic	Standard	Unit	Value
Reaction to fire	EN 13501-1	Euroclass	F
Thermal conductivity	EN 13165	W/mK	< 80mm = 0.027
			80 - 119mm = 0.025
			>120mm = 0.024
Density (foam core)	-	Kg/m ³	± 32
Compressive strength at 10%	EN 826	kPa	150
Design compressive stress (long-term)	-	kPa	40

Application Information

Install in a staggered bond pattern with tightly butted joints. For multi-layer installations, ensure board joints are offset between successive layers. Ensure boards are cut square with no gaps at joints or abutments.

On metal decks, boards should be laid with their long edges perpendicular to the deck corrugations.

Boards may be installed using either adhesive bonding or mechanical fixing, subject to project-specific design requirements as detailed within the Alumasc specification.

Compatible adhesives:

- Eurorof PU Insulation Adhesive
- Eurorof QC PU Insulation Adhesive

Cut using a fine-toothed saw or a sharp knife.

Storage & Handling

Store flat on a clean, dry surface off the ground and under waterproof protection. Factory packaging is used to wrap the product for transit and is not intended to provide protection during storage. Boards must be kept dry at all times prior to installation.

Consider the load's size, shape, and weight before lifting. Manual handling assessments should be completed for heavy or repetitive lifting in accordance with HSE guidance; refer to document INDG143. Appropriate PPE must be worn as identified in the project risk assessment, Safety Data Sheet, and site-specific requirements.

Health & Safety

Copies of Alumasc Safety Data Sheets can be downloaded from the Alumasc Roofing [website](#).