

Description of Product

Alumasc GTF PIR Insulation is a rigid thermoset polyisocyanurate board faced on both sides with coated glass tissue. 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 a wide range of waterproofing systems, including bituminous, single-ply, and liquid-applied membranes which are installed using adhered or self-adhesive methods.

Product Information

Alumasc GTF PIR Insulation												
Product code	PUGTF											
Composition	Polyisocyanurate (PIR) core											
Facing	Coated glass tissue											
Edge profile	Square											
Length / Width	1200 x 600mm (0.72m²) at 25mm						1200 x 1200mm (1.44m²) at 30 - 150mm					
Thickness* (mm)	25	30	50	60	80	90	100	120	130	140	150	
Indicative weight (kg/m²)	1.78	1.95	2.55	2.93	3.55	3.97	4.30	4.97	5.31	5.64	5.90	

* 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 170mm to 300mm and are manufactured to order.

Alumasc GTF PIR Cut to Falls Insulation			
Length / Width	1200 x 1200mm (1.44m ²)		
Taper gradients	1:80	1:60	1:40
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:

- Eurorooft PU Insulation Adhesive
- Eurorooft QC PU Insulation Adhesive

For self-adhesive membrane applications, prime the insulation facer with **Eurorooft SA Primer** prior to installation.

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](#).