

Description of Product

Alumasc CGlass R/T3+ Insulation is a cellular glass board with a bitumen coated upper surface and PE foil facing. The insulation is inorganic, contains no ozone depleting propellants, flame resistant additives, binders, Volatile Organic Compounds (VOC's) or other volatile substances.

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, particularly where high compressive strength is required and the roof is subject to heavy loading.

Product Information

Alumasc CGlass R/T3+ Insulation								
Product code	GLA-T3+RD							
Composition	Recycled glass (≥60%) and natural mineral raw materials (sand, dolomite, lime)							
Facing	Upper surface: Bitumen coating with PE foil							
	Lower surface: Unfaced							
Edge profile	Square							
Length / Width	600 x 450mm (0.27m²)							
Thickness (mm)	50	60	70	80	90	100	110	120
Indicative weight (kg/m²)	4.75	5.7	6.65	7.6	8.55	9.5	10.45	11.4
Thickness (mm)	130	140	150	160	170	180	190	200
Indicative weight (kg/m²)	12.35	13.3	14.24	15.2	16.15	17.1	18.05	19

Alumasc CGlass R/T3+ Cut to Falls Insulation				
Length / Width	600 x 450mm (0.27m²)			
Taper gradients	1:80	1:60	1:40	Other gradients are available on request
Design	Full tapered insulation design and layout service available			

All dimensions are nominal and subject to manufacturing tolerances.

Technical Information

Characteristic	Standard	Unit	Value	
Reaction to fire*	EN 13501-1	Euroclass	Core: A1	Facing: E
Thermal conductivity	EN 13165	W/mK	0.036	
Density	EN 823	Kg/m³	95 (± 15%)	
Compressive strength	EN 826	kPa	≥ 500	
Compressive creep	EN 1606	kPa	(1.5/1/50) 225	
Water vapour resistance	EN ISO 10456	μ	∞	
Hygroscopicity	EN ISO 12571	-	Zero	

* Core material: Euroclass A1 (non-combustible). The finished board achieves Euroclass E due to the combustible facing materials incorporated to facilitate the direct application of waterproofing membranes.

Application Information

Install in a staggered bond pattern with tightly butted joints. Ensure boards are cut square with no gaps at joints or abutments and are fully supported, with no rocking or movement. Minor trimming or sanding of the boards may be required to achieve a stable bearing surface over uneven substrates or at abutments.

For multi-layer installations, ensure board joints are offset between successive layers. Use **Alumasc CGlass G1/T3+ Insulation** as the lower insulation layer, featuring a glass fleece facing and board dimensions of 600 × 450mm.

Boards are typically bonded using a PU adhesive or proprietary bitumen-based adhesive, in accordance with the project-specific design requirements detailed within the Alumasc specification.

Compatible adhesives:

- Eurorof PU Insulation Adhesive
- Eurorof QC PU Insulation Adhesive

Cut using a hand saw blade.

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](#).