

Description of Product

Alumasc CGlass T3+ Slab is a non-combustible, unfaced cellular glass insulation board. The insulation is inorganic, contains no ozone depleting propellants, flame resistant additives, binders, Volatile Organic Compounds (VOC's) or other volatile substances.

Suitable for use in inverted roof constructions as an underlay beneath Alumasc CGlass Inv insulation in multi-layer installations.

Product Information

Alumasc CGlass T3+ Slab								
Product code	GLA-T3+S							
Composition	Recycled glass (≥60%) and natural mineral raw materials (sand, dolomite, lime)							
Facing	Unfaced							
Edge profile	Square							
Length / Width	600 x 450mm (0.27m ²)							
Thickness (mm)	50	60	70	80	90	100	110	120
Indicative weight (kg/m ²)	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/m ²)	12.35	13.3	14.24	15.2	16.15	17.1	18.05	19
Length / Width	1200 x 600mm (0.72m ²)							
Thickness (mm)	80	100	120	140	150	160	180	
Indicative weight (kg/m ²)	7.6	9.5	11.4	13.3	14.24	15.2	17.1	

All dimensions are nominal and subject to manufacturing tolerances.

Technical Information

Characteristic	Standard	Unit	Value
Reaction to fire	EN 13501-1	Euroclass	A1
Thermal conductivity	EN 13165	W/mK	0.036
Density	EN 823	Kg/m ³	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

Application Information

The substrate should be sufficiently smooth and level to provide full support to the insulation boards with no rocking or movement. Any irregularities that may adversely affect the performance of the install should be rectified prior to installation. As a guide, under a straightedge deviations should not exceed 5mm over 2m or 3mm over 600mm. Minor trimming or sanding of the boards may be required to achieve a stable bearing surface over uneven substrates or at abutments.

Install the boards in dry conditions using a staggered bond pattern, ensuring all joints are tightly butted. Ensure boards are cut square with no gaps at joints or abutments.

Boards are loose laid over the completed waterproofing system and are intended for use as the lower insulation layer within in multi-layer installation to meet u-value.

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](#).