

Description of Product

Alumasc A1 Roof Board is a non-combustible gypsum-based board faced on both sides with a glass fibre mat. Intended for use directly above the supporting structure in warm, inverted, or cold roof constructions to provide continuous support for overlying roof layers and aiding fire resistance, in accordance with the functional requirements of BS 6229, Code of Practice for Flat Roofs with Continuously Supported Flexible Waterproof Coverings.

Suitable for use with a wide range of waterproofing systems, including bituminous, single-ply, and liquid-applied membranes, which are installed using torch-applied, adhered, or mechanically fixed methods.

Product Information

Alumasc A1 Roof Board	
Product code	RB-12K
Composition	Calcium sulphate dihydrate (Gypsum) core
Facing	Glass fibre
Edge profile	Square
Appearance	Green
Length / Width	2400 x 1200mm (2.88m ²)
Thickness	12.5mm, 15mm available as special order
Indicative weight	≤ 12kg/m ²

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	ASTM C 177/ ISO 8302	W/mK	0.25
Flexural breaking load	EN 15283-1:2008	N	Longitudinal: 761 / Transverse: 601
Water absorption	-	%	<5

Application Information

Install in a staggered bond pattern with tightly butted joints. Ensure boards are in full contact with the substrate.

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

For mechanically fixed installations, fastener suitability, fixing density, and compliance with project wind load and warranty requirements shall be verified by the specialist fixing manufacturer in conjunction with Alumasc.

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

Cut using the score-and-snap method, or mechanical cutting may also be employed where appropriate.

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](#).