

Description of Product

Alumasc A1 Cover Board is a non-combustible calcium silicate cement board for use above thermal insulation in warm roof constructions. It enhances load distribution across the insulation layer, increasing resistance to compressive loads and aiding the external fire performance of the roof system, in accordance with the functional requirements of BS 6229, Code of Practice for Flat Roofs with Continuously Supported Flexible Waterproof Coverings.

Boards are available in various thicknesses and can be specified to suit both light and more heavily trafficked applications.

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 Cover Board					
Product code	CB-12K				
Composition	Calcium Silicate Cement				
Edge profile	Square				
Appearance	Light grey				
Length / Width	2400 x 1200mm (2.88m ²)				
Thickness (mm)	6	9	12	16	18
Indicative weight (kg/m ²)	7.37	11.28	15.20	19.97	22.57

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	0.18
Bending strength	EN 12467	MPa	Longitudinal: 14 / Transverse: 8
Impact strength	-	J/m ²	>2100
Water absorption	By weight	%	-38
Water impermeability	EN 12467		Pass, Category A
Dimensional shrinkage	-	%	0.19

Application Information

Install in a staggered bond pattern with tightly butted joints. Ensure boards are in full contact with the substrate, with joints offset from those in the underlying insulation.

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:

- Euroroo PU Insulation Adhesive
- Euroroo 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 Euroroo SA Primer prior to installation.

Cut using tungsten carbide-tipped blades at 3000-4000rpm. Boards can be sawn, planed or routed as required.

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](#).