

Description of Product

Alumasc A1 Cover Board is a non-combustible calcium silicate cement board designed for applications requiring strength, durability, fire performance, and resistance to moisture and impact. Primarily used as a rigid cover board above thermal insulation and beneath the waterproofing membrane, in accordance with the functional requirements of BS 6229, the British Standard Code of Practice for flat roofs with continuously supported flexible waterproof coverings.

Available in various thicknesses, the board can be specified to suit both light and more heavily trafficked applications.

Key Features

- ✓ Euroclass A1 classification (EN 13501-1)
- ✓ High compressive and impact resistance
- ✓ Classified as Category A to EN 12467

Suitable Applications

- ✓ Flat roofs
- ✓ Warm roofs
- ✓ Cover board installed above thermal insulation

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)				
Thicknesses (mm)	6	9	12	16	18
Average weights (kg/m ²)	7.37	11.28	15.20	19.97	22.57

Technical Information

Characteristic	Standard	Unit	Value
Reaction to fire	EN 13501-1	-	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:

- Eurorof PU Insulation Adhesive
- Eurorof QC PU Insulation Adhesive

For self-adhesive membrane applications, prime the insulation facer with Eurorof 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.

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.

Health & Safety

Copies of Alumasc Safety Data Sheets can be downloaded from the Alumasc Roofing [website](#).