

# Product Datasheet

## Alumasc Cellular Glass G1 T3+

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### Description

Alumasc Cellular Glass G1 T3+ warm roof insulation is a CFC and HCFC free, non-combustible, foamed glass thermal insulation board, with a closed cell vapour-tight internal structure, with high compressive strength and dimensional stability. The boards are square edged and contain 60% post-consumer recycled glass. The upper side is faced with a white glass fleece, suitable to receive self-adhered membranes. The board is black in colour.

### Use

For use as a thermal insulation board in warm roof assemblies, as an integral part of a waterproofing system. Not suitable for inverted roofs. Available as a preformed modular tapered system to standard gradients.

### Application

- Fully bonded in Alumasc PU adhesive, refer to specification for type and coverage rates.
- Attach the boards as specified with staggered end joints, and in the case of tapered systems, in accordance with the layout drawing.
- The boards can be cut with a fine-toothed saw.

### Fire Rating

The overall fire rating (to BS 476 pt3:2000 or EN1187/4) will be determined by the nature of the waterproofing and surfacing applied.

### Storage

- Store in a clean, dry location, off the floor and away from heat sources. Do not leave exposed to direct sunlight.
- Boards should be stored inside a building wherever possible. If outside storage is unavoidable the packaging should not be relied upon to provide protection from moisture.

### Product Data

Standard Thicknesses	50-200mm
Width	450mm
Length	600mm
Density	approx. 100kg/m <sup>3</sup>

### Performance Data

Thermal Conductivity ('k' value)	0.036 W/m°C
Compressive Strength @ 10%	>500kN/m <sup>2</sup>
Ozone Depletion Potential (ODP)	0
Global Warming Potential (GWP)	0
Water vapour resistance	Infinite
BREEAM Green Guide Rating	A
Reaction to Fire (EN13501-1) (core material)	Euroclass A1 (non-combustible, no toxic fumes)
Reaction to Fire (EN13501-1) (finished product)	Euroclass E

### Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from [www.alumascroofing.com](http://www.alumascroofing.com).

### Technical Support

Technical advice is available from Alumasc Technical Services at:

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Email: [technical@alumascroofing.com](mailto:technical@alumascroofing.com)

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