

Product Datasheet

Alumasc Extruded Polystyrene

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Description

Alumasc Extruded Polystyrene is an HFC, CFC and HCFC free, extruded polystyrene insulation board, manufactured with a blowing agent with a GWP of <5, with shiplap edge profiles, grey in colour.

Use

A thermal insulation board designed for use in inverted roof assemblies ("upside-down roofs"), installed beneath ballast, paving, or soft/hard landscaping. Suitable for structures capable of supporting the associated dead and live loads and must always be used in conjunction with the Alumasc LO-k Water Flow Reducing Layer.

Approvals

BBA Certificate Number 21/5874.

Application

Install directly onto the roof membrane with staggered end joints, then overlay with the Alumasc LO-K WFRL. Ensure sufficient imposed load, such as stone ballast, pavers, or a green roof build-up, is applied to resist maximum local wind uplift forces and prevent flotation. Boards can be cut using a fine-toothed saw.

Fire Rating

When used in protected specifications, including an inorganic covering listed in the Annex of Commission Decision 2000/553/EC, it is unrestricted under the national Building Regulations.

Product Data

Available thicknesses (1250 x 600mm)	50, 80, 100, 115, 120, 130, 140, 145, 160, 165, 175, 180, 190, 195, 200
Weight	34 kg/m ³
Size	1250 x 600mm

Performance Data

Thermal Conductivity (design 'k' value)	≤120mm 0.031 W/mK – >130mm 0.032 W/mK
Compressive Strength @ 10%	300 kN/m ²
Maximum Design Load	130 kN/m ²
Vapour Resistivity	600MNs/g/m
Moisture Absorption (EN 12087)	0.6 %
Fire classification (BS EN 13164)	E
Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	<5
BREEAM Mat 6	Will contribute to the Responsible Sourcing credit (Certificate No EMS 547690)

Storage

Store in a clean, dry location, away from heat sources. Do not leave exposed to direct sunlight.

Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from www.alumascroofing.com.

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: technical@alumascroofing.com

The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.