

Product Datasheet

Alumasc Extruded Polystyrene

Sheet No: PD100FR

Issued: December 2013

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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, pale orange in colour.

Use

For use as a thermal insulation board in inverted roof assemblies ("upside-down roofs") beneath ballast, paving, soft or hard landscapes, on structures capable of supporting the associated dead and live loads, and always in conjunction with the Alumasc Polyethylene Separator Sheet.

Approvals

BBA Certificate Number 07/4418.

Application

Install directly onto roof membrane, with staggered end joints and overlay with Alumasc Polyethylene Separator Sheet. Sufficient imposed load must be installed (in the form of stone ballast, pavements or green roof build-up) to counteract the maximum local wind uplift force and flotation.

The boards can be cut with a fine toothed saw.

Fire Rating

F.AA to BS 476 Pt 3: 1958 - External fire exposure to roofs, when used as a ballasted or paved system.

Storage

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

Product Data

Standard Stock Thicknesses	70, 130, 160, 180, 200 & 220mm
Width	600 mm
Length	1250 mm
Weight	32 kg/m ³

Performance Data

Thermal Conductivity ('k' value)	0.033 W/m°C
Compressive Strength @ 10%	300 kN/m ² (Note: 500kN/m ² available to order)
Maximum Design Load	110 kN/m ² (approx 180kN for 500kN board)
Vapour Resistivity	600MNs/g/m
Moisture Absorption (EN 12087)	0.6 %
Fire classification (BS EN 13164)	F
Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)*	<5 (foaming agent 'ECO')
BREEAM Rating	A

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Health & Safety

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

Technical Support

Technical advice is available from Alumasc Technical Services at:

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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.