

Product Datasheet

Alumasc LO-k Water Flow Reducing Layer (WFRL)

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Description

Alumasc LO-k is a water vapour permeable, non-woven polyethylene geotextile, light grey in colour.

Use

For use as a water flow reducing layer (WFRL) over Alumasc Extruded Polystyrene inverted thermal insulation boards (see PD100FR) in order to reduce the cooling effect of rainwater, and therefore improving the thermal performance of the underlying Alumasc Extruded Polystyrene inverted insulation boards. Can be used at zero falls. Note: substitution with any other layer will have an adverse effect on the thermal efficiency of the system.

Application

Loose lay over the insulation boards at right angles to the roof slope, with 300mm overlaps. Do not overlap against the flow of water. Extend sheet at edges and penetrations to finish no lower than ballast/paving level. The product can easily be cut with scissors. Do not use a knife.

In Blue Roof applications, all laps must be fully sealed using Tyvek® Acrylic Tape, applied centrally over the joint to ensure a continuous seal.

System Fire Rating

BROOF(t4) to EN 1187/4 – CEN TS 1187/4 (Test Methods for External Fire Exposure to Roofs) when used as a protected, ballasted or paved system.

Alumasc Hydrotech inverted roof systems incorporating extruded polystyrene insulation and LO-k have been independently tested to EN 1187/4 and having achieved BROOFt4 are confirmed as suitable for unrestricted use under the Building Regulations.

Storage

Store in a clean, dry location, away from heat sources.

Product Data

Thickness	0.15 mm
Width	3.0m
Length	100m
Weight	60g/m ²
Weight per roll	18.0 kg
Colour	Light grey

Performance Data

Tear resistance to BS3137	940kN/m ²
Water vapour resistance	0.17 MN.s.g ⁻¹
Water resistance BS EN ISO 811:2018	No penetration at 1.0m head of water

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.

Our company policy is one of continuous research and development; we therefore reserve the right to amend content herein without prior notice.