

Product Datasheet

Aluply PVC Fleece Backed Membrane

Sheet No: PDS-AP002
 Issued: Dec 2025
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Description

Aluply PVC Fleece Backed Membrane provides a solution for fully adhered roofing applications, comprising a 1.5 mm multi-layer thermoplastic PVC-P membrane reinforced with a polyester fleece. The fleece backing provides enhanced stability and promotes excellent adhesion to all approved substrates. Adhered using a compatible cold-applied adhesive, the system is fully adaptable to meet the individual requirements of every project for use across all building sectors in both new-build and refurbishment roofing projects.

Use

Waterproofing membrane intended for application within fully bonded systems.

Colour

RAL 7016 – Anthracite Grey

Colour is always produced to provide maximum consistency, however sometimes batch/shading differences may occur.

Application to field area:

- All surfaces to receive the membrane must be clean and dry.
- Ensure that the membrane is accurately located, including overlaps.
- Bonding adhesive must only be applied in dry weather at temperatures of 5°C and above.
- After preparing the surface, the Aluply membrane is unrolled entirely and straightened without tension.
- The adjoining lap is aligned to the first one with an overlap of 100mm minimum (this is guided by the un-fleece area on the underside of the membrane).
- The membrane is re-rolled for half of its length, and the adhesive is poured out, or sprayed, at the specified rate and dispersed evenly over the surface using a roller, squeegee or brush. Concentrations of glue must be avoided. When the adhesive is touch dry the fleece-backed roofing membrane is rolled onto the adhesive.
- Any air trapped under the membrane may be removed by pressure of a broom.
- The roofing membrane should be pressed or rolled onto the adhesive until sufficient initial curing has taken place, which takes between 20 to 45 minutes depending on humidity.
- The remaining half of the membrane is then rolled back, and the above procedure is repeated.

Joining longitudinal and transverse seams:

Along all longitudinal and transverse membrane seams, a 200mm wide zone (100 mm either side of the seam) must remain free from adhesive. Adjoining transverse seams must be butt-jointed. Each joint is to be covered with a 50mm wide aluminium tape, followed by a 200mm wide strip of Aluply Reinforced Membrane welded centrally over the joint.

The Aluply membrane shall be hot-air welded, with welds forming a continuous bond extending a minimum of 30mm from the membrane edge. A test weld must be completed prior to welding the roofing membrane to verify adequate strength and performance.

End laps must be staggered by a minimum of 250mm to prevent four roll ends coinciding at any one point. Where three membrane layers overlap, the central membrane sheet must be chamfered to ensure a smooth, watertight transition.

After completion of welding, weld integrity must be checked by running a metal probe along the joint in a firm but non-destructive manner.

Product Data

	Standard	Unit	Value	Tolerance
Roll Length	EN 1849-2	Lm	15	
Roll Width	EN 1849-2	Lm	2.1	
Material	Flexible PVC-P			
Finish Lower Side	Polyester			

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	Standard	Unit	Value	Tolerance
Membrane Thickness	EN 1849-2	mm	1.5	±5%
Mass	EN 1849-2	Kg/M²	2.25	
Tensile Strength	EN 12311-2	N/50 mm	≥ 900	
Elongation	EN 12311-2	%	≥ 35	
Tear Resistance (L/T)	EN 12311-2	N	≥ 200	
Resistance to Impact	EN 12691-A	mm	≥ 600	
Cold Bend	EN 495-5	°C	≥ -25	
Peel Resistance of Joint	EN 12316-2	N/50mm	≥ 200	
Shear Resistance of Joint	EN 12316-2	N/50mm	≥ 800	
Resistance to Root Penetration	EN 13948		Pass	
Resistance to Static Loading	EN 12730-B	Kg	≥ 20	
Water Vapour Resistance	EN 1931		20000	± 30%

Fire Performance

External Fire Performance: BROOF(t4) classification in accordance with EN 13501-5. Please refer to the Alumasc certification to confirm the full range of approved insulation types, attachment methods, and substrates covered.

Reaction to Fire: Class F in accordance with EN 13501-1.

Storage

Store dry. Rolls to be parallel and in original packing where possible, do not stack in cross form or under pressure.

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.