

Product Datasheet

Alkorplan A by Alumasc

Sheet No: PD1000FR
 Issued: July 221
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Description

Fleece backed membrane of flexible PVC conforming to UEAtc guidelines.

Use

Used as a waterproofing membrane within fully bonded systems

Application

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 Alkorplan membrane is unrolled entirely and straightened without tension.
- The adjoining lap is aligned to the first one with an overlap of 80 mm minimum (a line is printed on one side of the membrane to facilitate this).
- 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 the longitudinal and transverse seams of the membrane, a strip of 200 mm (100 mm on either side) must remain free of glue. The adjoining transverse seams of the roofing membranes must be butt jointed. The joint must be covered with 50 mm wide Alkorplus aluminium tape, and a 200 mm wide strip of Alkorplan D membrane is then welded over the joint. A test weld must be carried out prior to welding the roofing sheet, to confirm adequate weld strength and performance. The Alkorplan membrane is welded by hot air, and the welded area must be continuous and extend a minimum of 30 mm from the membrane edge. End laps must be staggered by 250 mm, thus preventing a situation where 4 roll ends coincide. Where 3 membranes overlap, the centre sheet must be chamfered.

Storage

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

Product Data

		1.2 mm	1.5 mm	
Tensile strength	EN 12311-2 (A)	≥ 825	≥ 850	N/50 mm
Elongation at break	EN 12311-2 (B)	≥ 50	≥ 65	%
Dimensional stability (6h at 80 °C)	EN 1107-2	≤ 0,5	≤ 0,5	%
Cold crack temperature	EN 495-5	≤ -25	≤ -25	°C
Tear strength	EN 12310-2	≥ 325	≥ 350	N
Joint peel resistance	EN 12316-2	≥ 200	≥ 225	N/50 mm
Vapour diffusion resistance (μ)	EN 1931	20 000 *	20 000 *	-
Resistance to static perforation	EN 12730	≥ 20	≥ 20	kg

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Thickness	Width	Weight	Roll length	Roll weight
1.2 mm (3.2 mm incl. fleece)	2.10 m	1.86 kg/m ²	15 lm	ca. 57 kg
1.5 mm (3.5 mm incl. fleece)	2.10 m	2.25 kg/m ²	15 lm	ca. 71 kg

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.