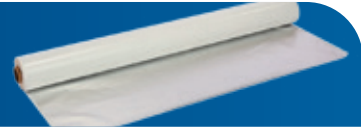


CE Data sheet

FDT vapour control layer Alu-gv-sk



Product name:	FDT Dampfsperre Alu-gv-sk
Manufacturer/supplier:	FDT Flachdach Technologie GmbH Eisenbahnstraße 6–8 68199 Mannheim Germany
Production plant:	Mannheim
Type of application:	These membranes are used as vapour control layer in mechanically fastened or loose-laid layer build-ups with ballast. For the installation the application guidelines of the manufacturer have to be observed.
FPC certificate no.:	0761-CPD-220011581 230010421-1
FPC issue of certification:	16
European standard:	DIN EN 13984
Product description:	Vapour control layer made of aluminum-plastic
Standard membrane dimensions:	1,4 m × 100 m × (nominal thickness) 0,2 mm

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Essential characteristics	Performance	Test Standard
Thickness	0.2 mm	EN 1849-2
Width	1.4 m	EN 1849-2
Length	100 m	EN 1849-2
Water tightness against water in liquid phase	tight	DIN EN 1928 (A) (2kPa, 24 h)
Tensile strength	≥ 400 N/50 mm	DIN EN 12311-2
Elongation	≥ 20 %	DIN EN 12311-2
Joint shear resistance	≥ 300 N/50 mm (80 mm overlaped)	DIN EN 12317-2
Resistance to impact	passed	DIN EN 12691
Tear resistance	≥ 40 N	DIN EN 12310-1
Reaction to fire	Class E	DIN 13501-1
Calorific value	≤ 11.600 kJ/m ²	DIN 18234
Water vapour diffusion equivalent air layer thickness (s _d)	≥ 1.500 m (s _d -Value)	DIN EN 1931
Cold bending performance	≤ -20°C	
Basis weight	145 g/m ² (+/- 10 %)	DIN EN 1849-2
Dangerous substances	none	

Product information

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The vapour control layer Alu-gv-sk is a fire load-reduced, self-adhesive vapor control layer membrane according to DIN 18234-1 with a calorific value < 10500 KJ/m² and a calorific value < 11600 KJ/m². It is used as a diffusion-tight layer according to DIN 4108-3, para. 3.1.8 (sd > 1,500 m) exclusively on trapezoidal steel sheets. The underside of the sheet has a full-surface pressure-sensitive adhesive coating, which is covered by a very easily removable siliconized film. The reinforcement made of polystyrene scrim protects against penetration and damage of the vapor control layer during installation works. The vapour control layer Alu-gv-sk meets the requirements of DIN 18234 for low fire load vapor control layers.

Characteristics

- Practically vapor-tight, sd value > 1,500 m
- Low fire load, calorific value < 10500 KJ/m or calorific value < 11600 KJ/m² according to DIN 18234
- Penetration resistant via deep beads
- Self-adhesive
- Fire behavior: Class E according to DIN EN 13501-1
- No additional seam tape required
- Simple and economical installation due to self-adhesive coating

Range of application:

The vapour control layer Alu-gv-sk is mainly used as a vapor control layer membrane with reduced fire load for trapezoidal profile roofs, also with increased fire protection requirements according to DIN 18234 or industrial construction guidelines. Bonding of subsequent layers to the vapour control layer Alu-gv-sk is not permitted.

Other applications:

- For buildings with special indoor climatic conditions, e.g. indoor swimming pools
- For buildings with ballast, e.g. green roofs
- In loosely laid or mechanically fastened layer structures with Rhepanol and Rhenofol

Boundary conditions:

The substrate must be level, smooth, clean, free of dust, oil and grease and dry. At temperatures below +5°C, secure bonding of the vapor control layer is no longer guaranteed. The vapor barrier cannot be used as an emergency/temporary seal (see also FDRL 3.3.2 (9)).

Processing:

The vapour control layer Alu-gv-sk is rolled out and applied parallel to each other by peeling off the siliconized protective film applied to the underside of the upper chords of the trapezoidal steel profile. The longitudinal seam overlap on the upper chords is at least 0.08 m, the transverse seam overlap at least 0.10 m. The longitudinal and transverse seam overlaps must be cleaned and closed under pressure (e.g. with an FDT universal roller) before the seam is tested. The vapour control layer must be led up to at least the upper edge of the thermal insulation and bonded tightly. For connections and terminations with substrates made of masonry, aerated concrete, wood formwork, etc., a primer is usually required. Installation should be carried out step by step with the thermal insulation. Do not lay the vapor control layer over a large area, as this may lead to detachment in stormy weather.

FDT legal notice

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National standards and regulations must be observed.

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