



## The effective vapour barrier membrane suitable for roof structure that are subjected to extreme stresses caused by the building structure

ALUTRIX® 600 and ALUTRIX® FR are quick-application, self-adhesive and extremely resistant vapour barrier membranes. They consist of a reinforced aluminium material with a self-adhesive backing and a removable release film. Both vapour barriers are particularly well-suited to use on profiled steel sheet.

### PROPERTIES:

- Cold-applied and self-adhesive
- Impervious to vapour
- Can be walked on and stepped on
- Higher than average tensile strength
- Formation of an airtight layer according to energy saving regulations
- Resistant to chemicals and ageing

### PRODUCT-SPECIFIC PROPERTIES:

- CE certification and DIN EN 13970
- ALUTRIX® FR – comes with a reduced fire load as per DIN 18234 and the Industrial Building Directive:
- **ALUTRIX® FR meets the FM Standard Class No. 4470**

ⓘ Please refer to the ALUTRIX® application instructions and our planning guidelines for the detailed substrate requirements and processing instructions.

# ALUTRIX®

AREAS OF USE		ALUTRIX® 600	ALUTRIX® FR	FG 35 PRIMER	FG 35 SURFACE AREA/ CONSUMPTION
SURFACE BONDING INSTRUCTIONS*	Metallic materials:				
	• Galvanised or uncoated substrates	Yes	Yes	Yes	50 % / 100 g/m <sup>2</sup>
	• Plastic-coated substrates	Yes	Yes	No	---
	Wood/wood materials	Yes	Yes	Yes	50 % / 100 g/m <sup>2</sup>
	Concrete materials without initial covering	Yes **	No	Yes	50 % / 100 g/m <sup>2</sup>
	Bituminous materials	Yes	Yes	Yes	50 % / 100 g/m <sup>2</sup>

\* Ideally, a primer is not used within the roof area for loosely laid roof structures with mechanical fixation or ballasting.

\*\* On dry, smooth and clean concrete materials only. Mechanical damage or perforations must be avoided.

MATERIAL-RELATED INFORMATION	TEST METHODS	ALUTRIX® 600	ALUTRIX® FR
THICKNESS	DIN EN 1849-2	0.6 mm	0.4 mm
WEIGHT	DIN EN 1849-2	Approx. 700 g/m <sup>2</sup>	Approx. 300 g/m <sup>2</sup>
PACKAGING UNIT PER PALLET		20 rolls	30 rolls
ROLL LENGTH	DIN EN 1848-2	40 m	40 m
ROLL WIDTH	DIN EN 1848-2	1.08 m	1.08 m
MAXIMUM TENSILE FORCE (LONGITUDINAL/TRANSVERSE)	DIN EN 12311-2	≥ 800/700 N/5 cm	≥ 800/700 N/5 cm
NEEDLE TEAR RESISTANCE (LONGITUDINAL/TRANSVERSE)	DIN EN 12310-1	200 N	200 N
COLD BENDING BEHAVIOUR	DIN EN 495-5	- 20 °C	- 20 °C
WATERTIGHTNESS AT 4 BAR OVER 72 HOURS	DIN EN 1928	Tight	Tight
SHEAR STRENGTH	DIN EN 12317-2	657 N/5 cm	657 N/5 cm
FIRE BEHAVIOUR	DIN EN 13501-1	Class E	Class E
WATER VAPOUR PERMEABILITY SD VALUE	DIN EN 1931	> 1,500 m	> 1,500 m
VISIBLE DEFECTS	DIN EN 1850-1	None	None
RESISTANCE TO CHEMICALS	DIN EN 1847/1928	Passed	Passed
RESISTANCE TO ARTIFICIAL AGEING	DIN EN 1296	Passed	Passed
SHOCK LOADING (PROCEDURES A AND B)	DIN EN 12691	150 and 1,500 mm	150 and 1,500 mm
RESISTANCE TO STATIC LOADING (PROCEDURES A AND B)	DIN EN 12730	20 kg and 20 kg	20 kg and 20 kg
HEATING VALUE/FUEL VALUE	DIN 51900-1	No requirement	≤ 10,500 kJ/m <sup>2</sup> / ≤ 11,600 kJ/m <sup>2</sup>
FM APPROVAL	FM Standard Class No. 4470	No requirement	Class 1

Both the information and the product descriptions contained in this publication have been compiled to the best of our knowledge and belief based on our prior experiences and tests. Claims for compensation may not be derived from the same. We reserve the right to make improvements to our product range, in accordance with our high standards in relation to technical advancement and the progression of quality.



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