CARLISLE CM EUROPE

ALUTRIX®

Effective vapour barrier

EVEN FOR PHYSICALLY EXTREMELY DEMANDING ROOF CONSTRUCTIONS



ALUTRIX® 600 and ALUTRIX® FR are vapour barrier membranes that are quick to install, self-adhesive and extremely resistant. They consist of a reinforced aluminium material with a self-adhesive reverse side and detachable release film. Both vapour barriers are particularly suitable for use on profile steel sheets.

ALUTRIX®

Properties:

- Cold self-adhesive
- Vapour-tight
- Puncture-resistant and can be walked on
- Above-average tear resistance
- Forms an air-tight layer according to the German Energy Conservation Act
- Resistant to chemical and ageing

Product-specific properties:

- CE certification and EN 13970
- **ALUTRIX® FR meets the FM Standard Class No.4470**
- **ALUTRIX® 600 complies with the requirements for Class 0**

Please refer to our product specification guidelines or ALUTRIX® installation instructions for detailed substrate requirements and installation instructions.

Applications		ALUTRIX® 600	ALUTRIX® FR	FG 35	FG 35 PERCENTAGE OF AREA/ CONSUMPTION
Information for surface bonding*	**Metallic materials:**				
	• Galvanized or uncoated substrates	Yes	Yes	Yes	50 %/200 g/m²
	• Plastic coated substrates	Yes	Yes	No	---
	Timber/Timber materials	Yes	Yes	Yes	50 %/200 g/m²
	Concrete materials without deck	Yes**	No	Yes	50 %/200 g/m²
	Bituminous materials	Yes	Yes	Yes	50 %/200 g/m²

* 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 details	Test procedure	ALUTRIX® 600	ALUTRIX® FR
Thickness	EN 1849-2	0.6 mm	0.4 mm
Weight	EN 1849-2	approx. 700 g/m²	approx. 300 g/m²
Packing units per pallet		20 rolls	30 rolls
Roll length	EN 1848-2	40 m	40 m
Roll width	EN 1848-2	1.08 m	1.08 m
Maximum tensile force (longitudinal/transverse)	EN 12311-2	≥800 / 700 N/5 cm	≥800 / 700 N/5 cm
Needle-tear resistance (longitudinal/transverse)	EN 12310-1	200 N	200 N
Cold bending behaviour	EN 495-5	-20 °C	-20 °C
Water tightness at 4 bar over 72 hours	EN 1928	Tight	Tight
Shear strength	EN 12317-2	657 N/5 cm	657 N/5 cm
Fire behaviour	EN 13501-1	Class E	Class E
Fire classification	BS476 PART6	Class O	
Water vapour permeability sd value	EN 1931	> 1.500 m	> 1.500 m
Visible defects	EN 1850-1	None	None
Resistance to chemicals	EN 1847/1928	Passed	Passed
Resistance to artificial ageing	EN 1296	Passed	Passed
Shock loading (procedures a and b)	EN 12691	150 and 1.500 mm	150 and 1.500 mm
Resistance to static loading (procedures a and b)	EN 12730	20 kg and 20 kg	20 kg and 20 kg
FM approval	FM Standard Class No. 4470	No requirement	Class 1

Product code
17471

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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