

ALUTRIX[®]

SELF-ADHESIVE VAPOUR BARRIER



... high performance self-adhesive vapour barriers – for normal and high humidity environments.

ALUTRIX® self-adhesive vapour barriers are used in a wide variety of applications in the building industry. They are suitable for all internal conditions, including very high humidity. They consist of a reinforced composite aluminium foil with a tenacious self-adhesive backing and removable release film. ALUTRIX® vapour barriers are quick to install and they create an airtight and vapour-tight seal. Their very high vapour resistance is sufficient to accommodate extreme internal conditions such as buildings containing wet industrial processes, breweries, swimming pools, sports halls, kitchens and bathrooms etc.

- / Self-Adhesive
- / Cold Applied
- / Vapour proof
- / Very high tear resistance
- / Withstand foot trafficking on profiled metal decking, without puncturing
- / Create an airtight seal, complying with Part L of the energy conservation regulations
- / ALUTRIX® 600 achieves a Class 0 fire rating to BS 476 Part 6
- / Reduced fire load – ALUTRIX® FR has a calorific value of $\leq 10,500 \text{ kJ/m}^2$ and complies fully with fire protection requirements for reduced fire load vapour barriers, according

- to DIN 18234 and national regulations
- / ALUTRIX® FR complies fully with FM Approval Standard Class No.4470

Substrate requirements:

- / Dry, sound and flat
- / Free from dust, grease, frost and dew
- / Without tension or blisters
- / Smooth and clean

For detailing information or application advice on individual projects, please refer to the ALUTRIX® Installation Guide, or consult with our technical department.

Substrate type	ALUTRIX® 600	ALUTRIX® FR	FG 35	FG 35 Coverage / Consumption
Metal decking:				
/ Galvanized or uncoated	yes	yes	yes	50% / 100 g/m ²
/ Plastic-coated	yes	yes	no	---
Plywood/ OSB (timber-based products) (**)	yes	yes	yes	50% / 100 g/m ²
Concrete	yes (***)	no	yes	50% / 100 g/m ²
Bituminous substrates	yes	yes	yes	50% / 100 g/m ²

(*) For mechanically fixed or ballasted roofing systems, priming the roof surface is not usually required.
 (**) On panels more than 500mm wide where movement may be anticipated, install non-adhesive tape strips over the board joints.
 (***) Only on dry, smooth and clean concrete materials. Mechanical damage or perforation by exposed aggregate must be avoided.

MATERIAL PROPERTIES	Standard	ALUTRIX® 600	ALUTRIX® FR
Overall thickness	EN 1849-2	0.6 mm	0.4 mm
Weight	EN 1849-2	approx. 700 g/m ²	approx. 300 g/m ²
Palletisation		20 rolls	30 rolls
Roll length	EN 1848-2	40 m	
Roll width	EN 1848-2	1.08 m	
Tensile strength longitudinal / transverse	EN 29073-3 / EN 12311-2	$\geq 800 / 700 \text{ N} / 5 \text{ cm}$	
Resistance to tearing (nail shank) longitudinal / transverse	EN 12310-1	200 N	
Low temperature folding test	EN 495-5	- 20 °C	
Watertightness test 4 bar/ 72 h	EN 1928	tight	
Hydrostatic pressure test (water column 2 m high for 15 mins)	EN 20811	tight	
Joint shear test	EN 12317-2	657 N/ 5 cm	
Fire behaviour	EN 13501-1	Class E	
Fire Classification	BS 476 Part 6	Class 0	
Water- vapour permeability sd-value	DIN 52615 / DIN EN 12572 / DIN EN 1931	> 1,500 m	
Water vapour resistance	BS EN ISO 12572	4,310 MNs/g	
Visible defects	EN 1850-1	none	
Durability / resistance against chemicals	EN 1847/1928	passed	
Durability / resistance to artificial aging	EN 1296	passed	
Impact resistance (room temp) method A & B	EN 12691	150 and 1,500 mm	
Resistance to static loading method A & B	EN 12730	20 kg and 20 kg	
Calorific value	DIN 51900-1	No requirements	$\leq 10,500 \text{ kJ/m}^2$
FM Approval	FM Standard Class No. 4470	No requirements	Class 1



The information in this publication is based on our experience and test results and is correct to the best of our knowledge and belief at the time of printing. No claims for compensation may be derived from it. 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.

