

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
Installation Information for surface adhesion (*)				
	Metal decking:			
	/ Galvanized or uncoated	yes	yes	yes
	/ Plastic-coated	yes	yes	no
	Plywood/ OSB (timber-based products) (**)	yes	yes	yes
	Concrete	yes (***)	no	yes
	Bituminous substrates	yes	yes	yes

(*) 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/m²	approx. 300 g/m²
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