

ALUTRIX: Ultimate Performance



ALUTRIX[®]600

Self-adhesive vapour barrier

PDT
waterproofing

ALUTRIX[®] 600 ...Self-adhesive vapour barrier

PRODUCT FEATURES

- ALUTRIX 600 is suitable for all internal conditions, including very high humidity
- ALUTRIX 600 can be used as a vapour barrier in conjunction with mechanically fixed or adhesively bonded single-ply roofing membranes, built-up felt systems, asphalt, liquid waterproofing systems, wet-lay glassfibre, profiled metal sheeting, insulated panels and standing seam systems etc
- ALUTRIX 600 has very high tear resistance, and can withstand foot trafficking on profiled metal decking without puncturing
- ALUTRIX 600 can be bonded to metal decks, plywood, oriented strand board, concrete, brickwork, blockwork, plasterboard, and cement particle board etc. Porous surfaces should be primed with FG35 primer.
- Where the insulation is to be mechanically fixed, ALUTRIX 600 can be applied without primer
- Where the insulation is to be bonded onto the ALUTRIX 600, (please consult with us regarding the adhesive) the substrate must be primed with FG35 primer before installing the ALUTRIX 600
- When applied to the structure, ALUTRIX 600 can act as a temporary waterproof seal until the insulation and waterproofing system are installed (the substrate should have a 2 % fall to facilitate rainwater run-off). This should not be regarded as a permanent waterproof seal. If the ALUTRIX 600 is to be left exposed for any length of time, the substrate must be primed with FG35 before installing the ALUTRIX 600, to resist wind uplift
- Correctly installed, ALUTRIX 600 creates an airtight and vapour tight seal sufficient to accommodate extreme internal conditions such as buildings containing wet industrial processes, breweries, swimming pools, sports halls, kitchens, bathrooms etc
- ALUTRIX 600 can contribute to the overall effectiveness of the vapor seal by providing an element of self-sealing around fixing screw penetrations, where these are used to secure the insulation to the structure
- ALUTRIX 600 achieves a Class O fire classification to BS 476 Part 6

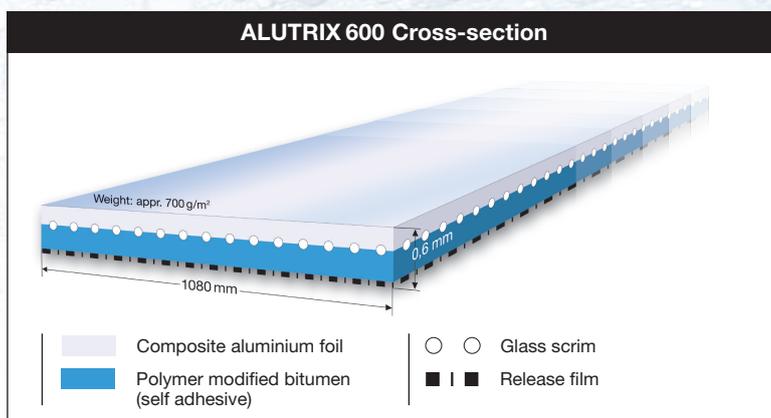
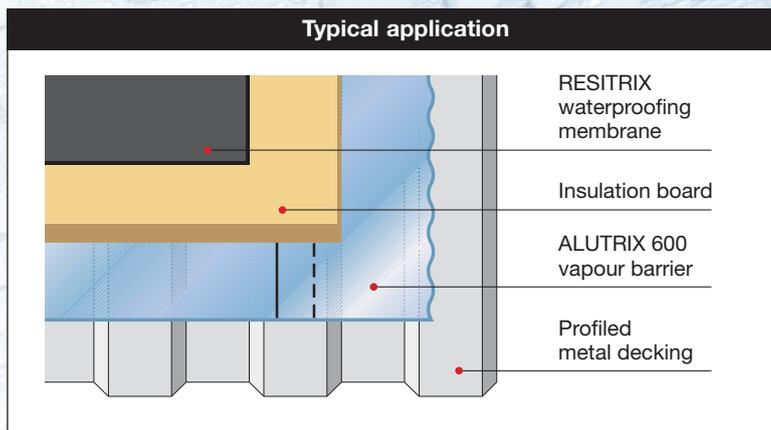
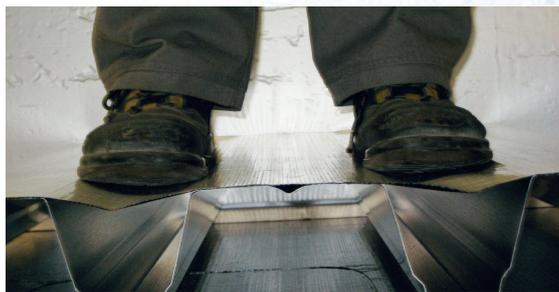
INSTALLATION INFORMATION

Substrate		Surfaces should be smooth and level without voids, sharp protrusions, tension or blisters. They should also be clean, dry and free from dust, grease, frost and dew
Surface Adhesion*	Metal decking	No primer is required if the metal surfaces are clean and free from grease and rolling oil. If in doubt, prime with FG35 primer (approx 250 g/m ²) and allow to dry Lay ALUTRIX in the direction of the deck with side laps fully supported on the corrugations At end-laps in the ALUTRIX, first pull taught a 200 mm wide strip of the membrane across the corrugations to provide support for the end lap in the ALUTRIX (150 mm wide)
	Plywood/OSB	Prime with FG35 primer (approx 250 g/m ²) and allow to dry Where movement is anticipated in boards more than 500 mm wide, install none-adhesive tape strips over the board joints
	Concrete/screed	Prime with FG35 primer (approx 250 g/ m ²) and allow to dry Pumice or aerated concrete may require 2 coats Install the ALUTRIX and insulation in sections to avoid excessive trafficking of the membrane
	Bituminous substrates	Prime with FG35 (approx. 250 g/ m ²) and allow to dry
Vertical surfaces	At roof penetrations and upstand details, the ALUTRIX should be applied to a sufficiently high level to enable encapsulation of the insulation boards	
	Metal surfaces	No primer. Degrease with G500 if necessary
	Plywood, OSB, concrete, brickwork, blockwork, cement particle board etc	Prime fully with FG35 (approx 250 g/m ²) and allow to dry
Laps	Porous or aerated concrete, Plasterboard	
	2 coats of FG35 may be necessary (approx 350 g/m ²)	
Laps	Side and end laps should be minimum 40 mm wide, sealed down using a handroller (no primer required). Below 10°C, laps should be pre-heated using electrical hot-air guns before rolling down (approx. 5 metres/minute at temperature setting 300°C)	
	Where the ALUTRIX 600 is used as temporary waterproofing, laps should be prepared by wiping the aluminium foil with Phoenix G500 thinners on a clean cloth to remove dust and dirt, before closing the lap	
Formation of T-joints	Cut off the overlapping corner at 45°	
Storage	In strong sunlight, rolls taken from the pallet should be used immediately. Rolls left on the pallet must be protected by the original grey plastic pallet wrap, or with light reflective tarpaulins Can be stored for up to 12 months in the original packaging. Store rolls upright, indoors, in a cool, dry environment	

*For mechanically fixed or ballasted roofing systems, priming the roof surface is not usually required

Please comply with the instructions printed in the FG35 safety datasheet and on our packaging

■ Vapour proof ■ Airtight ■ Reinforced ■ Self-adhesive ■ Cold applied



Material properties	Standard	Values
■ Overall thickness	DIN EN 1849-2	0.6 mm ± 10 %
■ Weight	DIN EN 1849-2	Approx. 700 g/m ²
■ Roll length	DIN EN 1848-2	40 metres + 50 mm, -0 mm
■ Roll width	DIN EN 1848-2	1080 mm ± 0.8 %
■ Palletisation	-	20 Rolls (800 m ²)
■ Longitudinal tear strength	DIN EN 29073-3	800 N/50 mm
■ Transverse tear strength	DIN EN 29073-3	700 N/50 mm
■ Impact resistance (room temp) method A & B	DIN EN 12691	A: 150 mm, B: 1500 mm
■ Low temperature folding test	DIN EN 495-5	-20°C
■ Watertightness test 72 hours at bar 4	DIN EN 1928	Tight
■ Water tightness (column 2 m high for 15 mins)	DIN EN 20811	Tight
■ Joint shear test	DIN EN 12317-2	657 N/50 mm
■ Fire Classification	BS 476 Part 6	Class 0
■ Water vapour resistance	BS EN ISO 12572	4,310 MNs/g
■ Resistance to static loading method A & B	DIN EN 12730	A: 20 kg B: 20 kg

ALUTRIX 600 is a rapid installation, self-adhesive, high resistance vapour barrier, which can be used in a wide variety of applications in the building industry. It consists of a reinforced composite aluminium foil with a tenacious self-adhesive backing and removable release film.

ALUTRIX[®]600

Self-adhesive vapour barrier

Vapour proof

Airtight

Reinforced

Self-adhesive

Cold applied



PDT SEALING SYSTEMS LTD

Eleven Arches House
Leicester Road
Rugby CV21 1FD

Tel: +44 (0)1788 551294
Fax: +44 (0)1788 551714
E-mail: info.uk@pdt-group.com
Web: www.pdt-group.com

PDT Sealing Systems Ltd is a wholly owned subsidiary of
PHOENIX Dichtungstechnik GmbH

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.

