

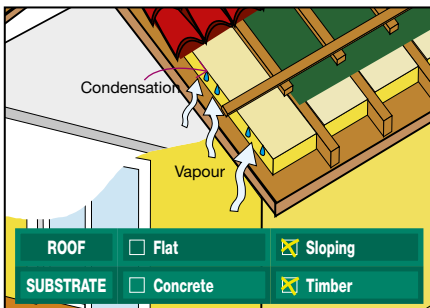
ALUSTOP SINT B.V. 105

SYNTHETIC SHEET FOR USE AS A VAPOUR BARRIER FOR THE THERMAL INSULATION OF UNDER-TILE LAYERS OF VENTILATED AND UNVENTILATED ROOFS

GRANTS *LEED* CREDITS

CATEGORY	CHARACTERISTICS	ENVIRONMENTAL IMPACT						PROCEDURE FOR USE	
									
SYNTHETIC	VAPOUR BARRIER	ECO GREEN	DOES NOT CONTAIN ASBESTOS	DOES NOT CONTAIN TAR	DOES NOT CONTAIN CHLORINE COMPOUNDS	RECYCLABLE	NON HAZARDOUS WASTE	DOES NOT CONTAIN USED OILS	APPLICATION WITH NAILS

1 PROBLEM



HOW TO KEEP THE THERMAL INSULATION OF TILED ROOFS DRY

The vapour that human activities produce in habitable roof-spaces, migrating to the outside through the layers of the roof, can condense in winter in the thermal insulation, reducing its insulating properties and causing the timber roof frame to rot in roofs that are not correctly ventilated.

2 SOLUTION

ALUSTOP SINT B.V. 105 vapour barrier laid before the thermal insulation prevents the passage of vapour by the barrier effect created by the metal film incorporated into the barrier, and allows the number of air changes needed and the size of the ventilation space to be reduced.

ALUSTOP B.V. 105 synthetic vapour barrier sheet completes the range of undertile sheets to compose the correct layering of the roof with thermal insulation, both for ventilated roofs and for hot roofs when the insulation ventilation chamber is not present. In the winter, the vapour barrier limits the migration of vapour from the heated interior to the colder outer layers of the roof, where it could condense, reducing the thermal capacity of the insulation and triggering degenerative processes in the timber structures.

ALUSTOP SINT B.V. 105 synthetic sheet is

bonded to a metal film that is highly resistant to the passage of vapour.

The vapour barrier reduces the need for ventilation and the cross-sections of the ventilation intakes and outlets can be reduced, as can the depth of the ventilation space.

ALUSTOP B.V. 105 is composed of a polythene film covered with aluminium and reinforced with a polypropylene mesh.

APPLICATION FIELDS

The sheets of vapour barrier can be attached to the underside of the rafters or to continuous boarding.

ALUSTOP SINT B.V. 105 forms a vapour barrier which protects the thermal insulation of pitched tiled roofs against damage by damp.

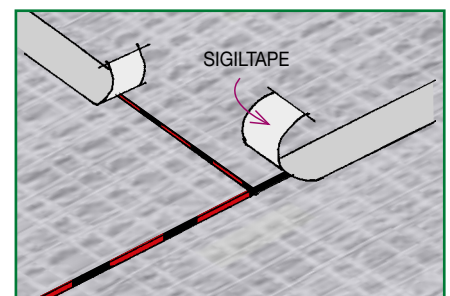


INTENDED USE OF "CE" MARKING SPECIFIED ACCORDING TO THE AISPEC-MBP GUIDELINES

EN 13984 - LAYERS OF PLASTIC AND RUBBER FOR VAPOUR CONTROL
- ALUSTOP SINT B.V. 105

METHOD OF USE

It is important to seal each lateral and end overlap with SIGILTAPE tape in order to ensure a perfect air seal. Any perforations due to elements passing through the sheet must be adequately sealed with SIGILTAPE tape or suitable gaskets.

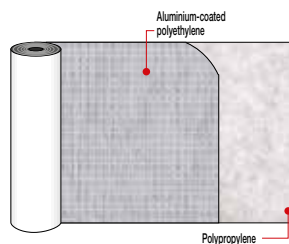


TECHNICAL SPECIFICATIONS

		ALUSTOP B.V. 105	
	Regulations	T	
Reinforcement			-
Mass per unit area	EN 1849-1	±10%	105 g/m ²
Roll dimensions	EN 1848-1	≥	1.6x50 m
Maximum lateral/end tensile force	EN 12311-1	-20%	185/185 N/50 mm
Lateral/end tensile elongation	EN 12311-1	-15% V.A.	10/10%
Lateral/end nail tear strength	EN 12310-1	-30%	110/90 N
Cold flexibility	EN 1109	≤	-
Permeability to water vapour • after ageing	EN 1931 EN 1296-1931	-20% -20%	μ = 1 500 000 NPD
Water penetration • after ageing	EN 1928 EN 1296-1928		W1 -
Reaction-to-fire Euroclass	EN 13501-1		F
Water vapour diffusion equivalent air layer thickness	EN 1931		Sd = 440 m

COMPOSITION OF THE MEMBRANE

ALUSTOP SINT B.V. 105



PRODUCT FINISHING



POLYETHYLENE COATED WITH ALUMINIUM.



POLYPROPYLENE.

• FOR THE CORRECT USE OF OUR PRODUCTS, CONSULT INDEX TECHNICAL SPECIFICATIONS • FOR FURTHER INFORMATION OR SPECIAL USES, CONSULT OUR TECHNICAL OFFICE •

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product in use. Considering the many possible uses and the possible interference of elements not under our control, we take no responsibility for the results. The Purchaser is responsible for establishing the suitability of the product for the use envisaged.

The data provided are indicative average data for current production and may be changed and updated by INDEX S.p.A. at any time, without prior notice. The technical information and suggestions provided represent our best knowledge of the properties of the

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