


DIFOBAR SINT F.V. 140

3-LAYER SYNTHETIC POLYPROPYLENE SHEET
WITH VAPOUR BARRIER FUNCTION FOR VENTILATED WOODEN ROOFS

GRANTS *LEED* CREDITS

CATEGORY	CHARACTERISTICS			ENVIRONMENTAL IMPACT						PROCEDURE FOR USE
										
SYNTHETIC	IMPERMEABLE AND BREATHABLE	REACTION TO FIRE	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



ROOF Flat Sloping

SUBSTRATE Concrete Timber

HOW TO REGULATE THE DIFFUSION OF VAPOUR IN A VENTILATED AND THERMALLY INSULATED WOODEN ROOF

2
SOLUTION

DIFOBAR SINT F.V. 140 vapour barrier, laid before the thermal insulation, makes it possible to regulate the movement from the lower layers so as to create breathable layer systems in ventilated timber-framed roofs. This technical choice, if correctly designed and checked from a thermo-hygrometric point of view, makes it possible to prevent the formation of condensation within the fibrous thermal insulation, which means that the thermal characteristics of the insulation are maintained over time. DIFOBAR SINT F.V. 140 also makes it possible to render the building rainwater-proof during the stage of fitting the roof-covering, ensuring that the roof system has a perfect air seal, which is essential for constructing hermetic and thermally reliable systems. The high resistance to traction and tearing at nail holes of **DIFOBAR SINT F.V. 140** makes it resistant to mechanical stress, even during installation on pitched roofs.

APPLICATION FIELDS

The sheets of vapour retardant are laid over continuous boarding.
DIFOBAR SINT F.V. 140 is used as vapour barrier to protect the thermal insulation of tiled pitched timber-framed roofs against damp.

METHOD OF USE

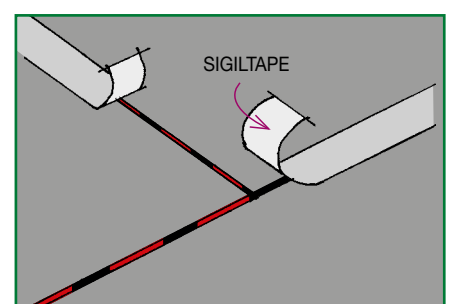
The product should be laid dry on the timber substrate with the sheets arranged "tile fashion" parallel to the eaves line, taking care to overlap the individual sheets by 10 cm longitudinally and end-to-end. **DIFOBAR SINT F.V. 140** sheets must be fixed down with nails or staples under the lateral and end overlaps to avoid the possibility of slippage during the work on the roof covering. 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

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

EN 13859-1 - UNDERLAY FOR DISCONTINUOUS ROOFING

- Under-tile breathable
- DIFOBAR SINT F.V. 140

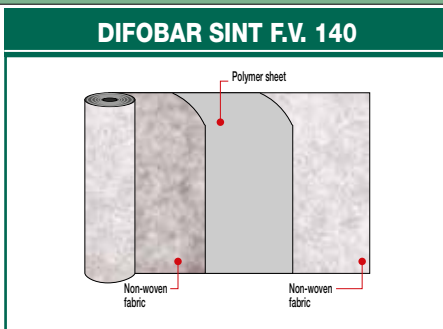
tape or suitable gaskets.



TECHNICAL SPECIFICATIONS

	Regulations	T	DIFOBAR SINT F.V. 140
Reinforcement			-
Mass per unit area	EN 1849-1	±10%	140 g/m ²
Roll dimensions	EN 1848-1	≥	1.5x50 m
Maximum lateral/end tensile force	EN 12311-1	-20%	340/230 N/50 mm
Lateral/end tensile elongation	EN 12311-1	-15% V.A.	75/85%
Lateral/end nail tear strength	EN 12310-1	-30%	160/200 N
Cold flexibility	EN 1109	≤	-40°C
Permeability to water vapour • after ageing	EN 1931 EN 1296-1931	-20% -20%	- NPD
Water penetration • after ageing	EN 1928 EN 1296-1928		W1 -
Reaction-to-fire Euroclass	EN 13501-1		E
Water vapour diffusion equivalent air layer thickness	EN 1931		Sd = 3.00 m
Density of water vapour flow	EN 1931		-
Thermal characteristics			
Thermal conductivity			0,050 W/mK
Thermal capacity			0.21 KJ/K

COMPOSITION OF THE MEMBRANE



PRODUCT FINISHING



NON-WOVEN FABRIC.

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

<p>index Construction Systems and Products</p> <p>Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 Tel. (+39)045.8546201 - Fax (+39)045.518390</p>	<p>Internet: www.indexspa.it Technical & Sales Information tecom@indexspa.it Management and Administration index@indexspa.it Index Export Dept. index.export@indexspa.it</p>		<p>UNI EN ISO 9001</p>	<p>UNI EN ISO 14001</p>	<p>socio del GBC Italia</p>	
---	---	--	-----------------------------------	------------------------------------	-----------------------------	--

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