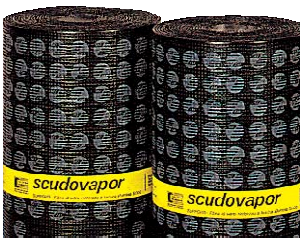
PRODUCT TECHNICAL DATA SHEET

CE 1381-CPR-392

ITALIANA® MEMBRANE
MEMBER OF TECHNONICOL CORPORATION

SCUDOVAPOR -10°C



THE PRODUCT
SCUDOVAPOR is a waterproofing membrane obtained using a compound of distilled bitumen modified with elastomeric and plastomeric resins.
SCUDOVAPOR has a combination of reinforced glass fibre and aluminium sheet as a carrier.

USES
SCUDOVAPOR is used as part of a multi-layer waterproofing system as a perfect vapor barrier. SCUDOVAPOR is particularly indicated for applications in buildings where there is high relative humidity (in excess 80% at 20°C) such as swimming pools and sports halls, tanneries etc.

FINISHES
Upper surface
SCUDOVAPOR membranes are embossed with a pattern of small squares and are available with the grain quartz finish, to ensure that the roll unwinds correctly.
Lower surface
SCUDOVAPOR have TORCHFLAM heat sensitive plastic film which prevents the roll sticking together and to ensure that the roll unwinds correctly. The surface is again embossed with a pattern of small squares to help the TORCHFLAM film to melt quickly and to allow, gases to escape and also acts as a temperature indicator to show that the compound has reached the correct fusion temperature

PACKAGING
The top tape indicates the product type, and the lower tape the weight of the product. The rolls are supplied on wooden pallets and are held in position by a protective heat shrunk polythene covering. Each pallet has two control dockets which enable the laboratory characteristics of the product to be readily identified

TOOL REQUIREMENTS
For the correct installation of **SCUDOVAPOR** type membranes, all that is required is a propane gas roofing torch complete with gas bottle reduction valve and least 10 m of approved type hose, a round nosed trowel or spatola, a utility knife, and a pair of gloves.

LA POSA
The surface where the material to be installed must be smooth, clean, dry and treated as required with primer. The SCUDOVAPOR membrane is unrolled and laid out on the dry primer coatings, which will enhance the adhesion to the deck. It is then aligned before being rolled up again. The membrane is then slowly unrolled while the lower surface is heated using the propane gas roofing torch until the TORCHFLAM melts and the bituminous compound itself starts to melt. Side laps must be at least 100 mm and head laps 150 mm. After forming the overlap using a round nosed trowel to ensure that the joint is correctly formed, and to level the molten bituminous compound which will inevitably seep from a correctly executed joint. The hot surface of the membrane should not be scraped using the trowel to avoid exposing the carrier.
SCUDOVAPOR can be installed as loose laid, partially attached or fully adhered, as required in the specification of the overall roof package. It should be noted this refers only to the first layer of a multi-layer system and that subsequent layers must always be fully adhered.

SCUDOVAPOR					
Thickness mm	Weight Kg/m²	Lenght. m	Width m	Rolls x plt	m² x plt
3	/	10	1	28	280
4	/	10	1	23	230

SCUDOVAPOR					
Thickness mm	Weight Kg/m²	Lenght. m	Width m	Rolls x plt	m² x plt
/	2,0	15	1	30	450

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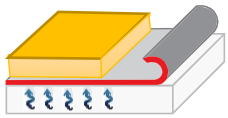
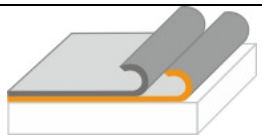
Characteristics	Norms	U.M.	Test risults		Tolerance
			SCUDOVAPOR		
Norms	/	/	EN 13970	EN 13970 - EN 13707	/
Compound	/	/	BPP - Plastomeric bitumen	BPP - Plastomeric bitumen	/
Carrier type	/	/	Fibreglass and aluminium foil	Fibreglass and aluminium foil	/
Upper surfacing	/	/	Sand	Sand	/
Lower surfacing	/	/	Film PE	Film PE	/
Type of application	/	/	BV-Vapour barrier	BV-Vapour barrier / SS - Underlayer	/
Method of application	/	/	Torch	Torch	/
Visible defects	EN 1850-1	-	Pass	Pass	/
Length	EN 1848-1	m	≥ (15 -1%)	≥ (10 -1%)	/
Width	EN 1848-1	m	≥ (1 -1%)	≥ (1 -1%)	/
Straightness	EN 1848-1	-	Pass	Pass	/
Mass per unit area	EN 1849-1	kg/m2	2	/	± 10%
Thickness	EN 1849-1	mm	/	3 - 4	- 0,2 mm
Watertightness (metodo B)	EN 1928:2000	-	Pass	Pass	/
External fire performance	EN 13501-5	-	F roof	F roof	/
Reaction to fire	EN 13501-1	-	EUROCLASS F	EUROCLASS F	/
Shear resistance of joint - heat lap - side lap	EN 12317-1	N/50 mm	 450 350	 450 350	 - 20%
Tensile properties -maximum longitudinal tensile strength -maximum transversal tensile strength - longitudinal elongation - transversal elongation	EN 12311-1	 N/50 mm N/50 mm % %	 450 350 3 3	 450 350 3 3	 - 20% - 20% - 2 pp - 2 pp
Resistance to impact	EN 12691	mm	NPD	NPD	/
Resistance to static loading	EN 12730	kg	NPD	NPD	/
Resistance to tearing (nail shank) - longitudinal - transversal	EN 12310-1	N	 70 70	 70 70	 - 30%
Dimensional stability	EN 1107-1	%	NPD	NPD	/
Flexibility at low temperature	EN 1109	°C	-10	-10	/
Flow resistance at elevated temperature	EN 1110	°C	110	110	/
Artificial ageing by long term exposure to elevated temperature	EN 1296 + EN 1110	°C	100	100	- 10°C
Water vapour transmission properties	EN 1931	-	μ = 1.500.000	μ = 1.500.000	- 10%

REV-01/16



BV – Barriera al vapore EN 13970



SS – Underlayer EN 13707

TECHNONICOL ITALIA srl reserves the right to modify the technical data in this specification sheet which is based on current production without prior warning.
All indications in this specification sheet are based upon our experience and current working practices.

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