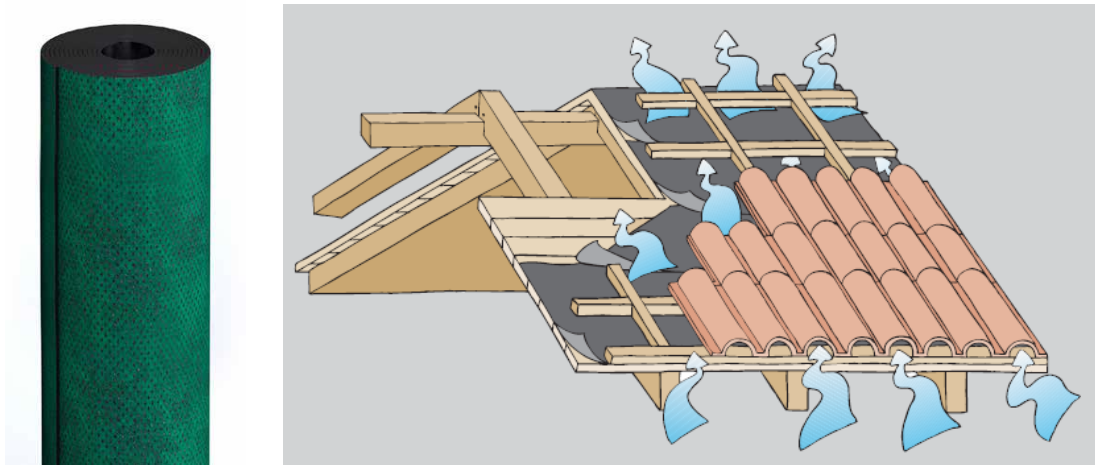


# IPER SV



Vapour shield waterproof bituminous membrane



## DESCRIPTION

IPER SV are a range of vapour shield waterproof bituminous membranes, achieved with a woven non woven polyester of heavy grammage, impregnated with a polymer bitumen compound. The IPER SV range guarantees a good impermeability to water and furthermore, given the heavier weight compared to normal vapour shield bituminous membranes, capable to assure a higher resistance to U.V. rays and walkability during application. Furthermore the IPER SV membranes can be used as a "vapour shield" prior to the application of the insulation.

## REINFORCEMENT

The reinforcements of woven non woven polyester of heavy grammage provide good mechanical properties such as resistance to tear in those situations where mechanical fixings are used.

## FINISHES

The IPER SV range is finished on both sides with a special polypropylene mat. The product is also available on request with a double PE film finish or with PE film / sand / aluminium film finish. On request the product can be supplied with longitudinal selvedge self-sealing in hot melt.

## AREAS OF APPLICATIONS

The product is particularly suitable for the following applications:

- under roof tiles, providing an impermeable waterproof layer should the tiles be broken. The lightness and mechanical resistance make the product reliable, easy to apply on the battens on which the roof tiles rest;
- as a vapour shield before the application of insulation, and all those applications where an absolute vapour barrier is not required (in which case instead specific membranes are available with a metallic foil that totally block any vapour passage);
- for refurbishment and reconditioning of old waterproofing membranes, to obtain a uniform layer of the vapour pressure (foresee the use of air vents);
- on all types of structures, as a separation layer between the waterproofing and following elements (ex. the use of heavy protection such as gravel to protect the waterproofing layer).

## METHODS OF APPLICATIONS

The waterproofing products can be applied on counter battens or on planks; in both cases the products must be mechanically fixed with a large headed nail overlapping the upper sheet to the lower one in the direction of the slope. However never obstruct the ventilation (air vents, grates) and the sheets must overlap by 10 cm making sure to also bring them down in to the eaves by 10

# IPER SV



cm, make sure to seal every overlap with an appropriate self-adhesive tape. When applying over insulation panels a 2 cm of air space must be left to allow for ventilation.

## STORAGE

It is suggested to keep the rolls in a warehouse, out of direct sun rays and at a temperature not inferior to +5°C. Maintain the rolls in a vertical position. Absolutely avoid the stacking of rolls and pallets for storage or transport.

**Reinforcement:** Polyester

**Compound:** Polymer bitumen

**Upper finish:** Polypropylene mat

**Lower finish:** Polypropylene mat

**Intended use:** Under roof tile

**Application method:** Torch

## TECHNICAL SPECIFICATIONS

CHARACTERISTICS	TESTING METHOD	M.U.	TOLERANCE	IPER SV 800	IPER SV 1100	IPER SV 1500
Weight	EN 1849-1	g/m <sup>2</sup>	±10%	800	1100	1500
Tensile strength L/T	EN 12311	N/5cm	±20%	500/400	500/400	500/400
Resistivity to vapor diffusion	EN 1931	μ	±20%	110000	130000	160000
Water penetration	EN 1928			W1	W1	W1
Length	EN 1848-1	m		30 -1%	30 -1%	20 -1%
Width	EN 1848-1	m		1 -1%	1 -1%	1 -1%
Cold flexibility	EN 1109	°C		-20	-20	-20
Elongation to break L/T	EN 12311-1	%	±15	35/35	35/35	35/35
Tear resistance L/T	EN 12310-1	N	±30%	200/200	200/200	200/200
Dimensional stability	EN 1107-1	%		-0,5	-0,5	-0,5
Fire resistance	EN 13501-5			F ROOF	F ROOF	F ROOF
Fire reaction	EN 13501-1			F	F	F
Water vapour diffusion thickness layer equivalent	EN 1931	Sd=m		60	100	180
Permeability to water vapor	UNI 10351	δ		1,70 x 10 <sup>-15</sup> kg/(sec*m*Pa)	1,44 x 10 <sup>-15</sup> kg/(sec*m*Pa)	1,17 x 10 <sup>-15</sup> kg/(sec*m*Pa)
Specific heat		KJ/K		1,20	1,45	1,75
Thermal conductivity		W/m°K		0,2	0,2	0,2

## PACKAGING

PRODUCT	ROLL SIZE	WEIGHT G/M <sup>2</sup>	N. ROLLS PER PALLET	SQUARE METRES PER PALLET
IPER SV 800	1,0 m x 30 m	800	33	990
IPER SV 1100	1,0 m x 30 m	1100	30	900
IPER SV 1500	1,0 m x 20 m	1500	30	600

The technical data given is based on average values obtained during production. We reserve the rights to change or modify the nominal values without prior notice or advice. The information contained in this data sheet are based on our experience. We cannot take any responsibility for a possible incorrect use of the products. The customer has to choose under their own responsibility a product fit for the intended use.

04/04/2022 - This version supersedes all previous ones.