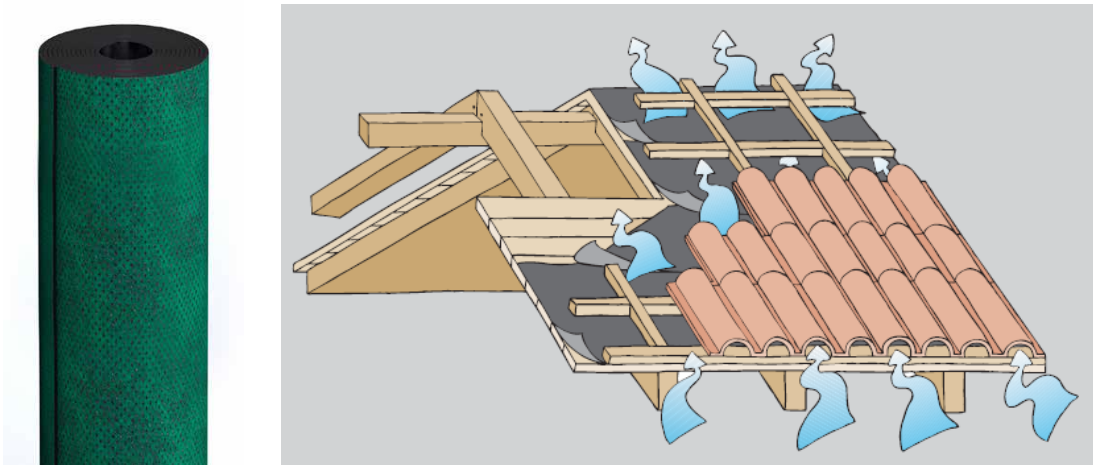


# IPER T 500



Vapour retarder bituminous membrane



## DESCRIPTION

IPER T 500 are vapour retarder bituminous membranes, made from a woven non woven polyester impregnated with a distilled polymer bitumen compound. IPER T 500 guarantees a good breathability and assures to the structure a very good level of vapour permeability, even though it provides a sufficient water impermeability (on roofs with not less than a 40% slope).

## REINFORCEMENT

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

## FINISHES

The IPER T 500 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 and particularly suitable for ventilated wooden roofs, using the product on top of the ventilation chamber. For those roofs with considerable slope (>40%) IPER T 500 will provide a certain level of impermeability should a tile be broken;
- 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 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.

# IPER T 500

## 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	VALUE
Weight	EN 1849-1	g/m <sup>2</sup>	±10%	500
Tensile strength L/T	EN 12311	N/5cm	±20%	500/300
Resistivity to vapor diffusion	EN 1931	μ	±20%	30000
Water penetration	EN 1928			W1
Length	EN 1848-1	m		30 -1%
Width	EN 1848-1	m		1 -1%
Cold flexibility	EN 1109	°C		-20
Elongation to break L/T	EN 12311-1	%	±15	20/20
Tear resistance L/T	EN 12310-1	N	±30%	140/140
Dimensional stability	EN 1107-1	%		NPD
Fire resistance	EN 13501-5			F ROOF
Fire reaction	EN 13501-1			F
Water vapour diffusion thickness layer equivalent	EN 1931	Sd=m		33
Permeability to water vapour	UNI 10351	δ		6,25 x 10 <sup>-15</sup> (kg/m sec Pa)
Specific heat		KJ/K		0,70
Thermal conductivity		W/m°K		0,2

## PACKAGING

PRODUCT	ROLL SIZE	WEIGHT G/M <sup>2</sup>	N. ROLLS PER PALLET	SQUARE METRES PER PALLET
IPER T 500	1,0 m x 30 m	500	42	1260

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.

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