



TOP
WATERPROOFING

VELAIR 13

SYNTHETIC BREATHABLE FILM COUPLED WITH THREE LAYERS
OF NON WOVEN POLYPROPYLENE FABRIC

Description

COMPOSITION	THREE LAYERS OF NON WOVEN FABRIC AND POLYPROPYLENE FILM
DESTINATION OF USE	PROTECTIVE BREATHABLE FILM UNDER ROOF TILE
APPLICATION METHOD	MECHANICAL
FINISHING	POLYPROPYLENE TNT

Membrane according to product regulation CE EN 13859-1

Synthetic breathable film coupled with three layers of non woven polypropylene fabric allowing regular passage of water vapour which is impermeable to condensate water, allowing roof and façade ventilation.

High resistance UV rays and to wind action. It can be fully recycled.

VELAIR 13 can be used as a synthetic breathable under tile layer to be directly bonded to the thermal insulation layer.

Suitable for use in every case requiring the passage of water vapour.

Laying instructions

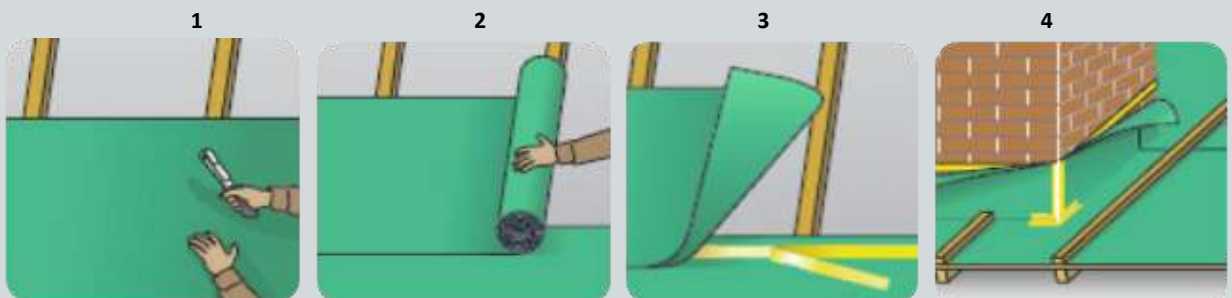


The surfaces to be protected must be dry, clean and sufficiently smooth or levelled, they must not have any protuberances that might puncture the underlay or compromise its adhesion to the substrate.

Lay VELAIR 13 starting at the eaves line and running parallel to it, leaving a portion overhanging on the lower side and at both ends of the roofline.

1. We suggest a fixing distance not exceeding cm 30 for the eaves membrane and cm 60 for the subsequent sheets.
2. In the joints, the sheets must be overlapped at least 10 cm and it is advisable to realize the fastening of the overlapping sheet in correspondence of the wheelbase of the previous fixing points and cover the junctions with special waterproof tape.
3. In the cases of major exposure to the wind it is also necessary to fix the central part of the sheet
4. In the presence of a chimney you must create an overlap of 15cm and fasten the sheet with tape.

The membrane laid in this way, is to be understood as a temporary work and should be covered by the other covering elements. Of discontinuous supports is necessary that the laying is more loosely creating of slight depressions.





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Technical data sheet

Technical Features

Parameter	Value	Unit of measure	Tolerance	Regulations
MASS PER UNIT AREA	130	g/m ²	± 5	EN 1849-2
AREIC MASS CLASS	C	Class	-	UNI 11470
TENSILE STRENGTH				
Longitudinal	220	N/5cm	± 40	EN 12311-1
Transversal	160		± 30	
ELONGATION AT BREAK				
Longitudinal	40	%	± 20	EN 12311-1
Transversal	50		± 20	
TEAR STRENGTH (NAIL SHANK)				
Longitudinal	120	N	± 30	EN 12310-1
Transversal	145		± 35	
RESISTANCE TO WATER PENETRATION				
Method A, (2kPa, 24h)	W1	-	-	EN 1928
WATER COLUMN (Impermeability)	250	cm	-	EN 20811
WATER VAPOUR TRANSMISSION Sd Value	> 0,04	m	± 0,02	EN ISO 12572
WATER VAPOUR TRANSMISSION (WVTR)	< 1000	g/m ² /24h	± 500	EN 13859
REACTION TO FIRE	E	Class	-	EN 13501-1
RESISTANCE TO TRACTION CLASS	R1	Class	-	UNI 11470
TEMPERATURE RESISTANCE	- 40 / + 80	° C	-	-
TENSILE STRENGTH AFTER ARTIFICIAL AGEING*				
Longitudinal	160	N/5cm	± 50	-
Transversal	120		± 40	
RESISTANCE TO WATER PENETRATION, AFTER ARTIFICIAL AGEING*	W1	-	-	-

* ARTIFICIAL AGEING: EN 13859-1, ANNEX C (336h UV, 90 DAYS AT 70°C)

Packaging

PRODUCT	THICKNESS (mm)	WEIGHT (Kg/m ²)	ROLLS DIMENSIONS (m)
VELAIR 13	-	130 ±5 g/m2	1,50mx50m=75m ²

Rolls packed on wooden pallets, wrapped with polyethylene heat-shrinkable caps.
Store vertically, protecting them from atmospheric agents and from too high or too rigid temperatures.
Avoid overlapping rolls and pallets.
The contact with solvents and organic fluids can damage the product.

The above-mentioned values can be subject to update or change. IIVELA S.r.l. reserves the right to modify them at any time without prior notice. For a correct use of our products, see technical specifications. For further information or any special use, please contact our technical department. Any suggestions or technical information provided represent our best knowledge regarding product characteristics and use. Considering different applications and any possible interference of elements beyond our control, the buyer must declare under his own responsibility that the product is suitable for the intended use.