TOP WATERPROOFING

VELAFREN 14

VAPOUR BARRIER MADE UP OF 3 LAYERS OF NON WOVEN FABRIC AND POLYPROPYLENE FILM

Technical data sheet

Description

COMPOSITION	THREE LAYERS OF NON WOVEN FABRIC AND POLYPROPYLENE FILM
DESTINATION OF USE	VAPOUR BARRIER
APPLICATION METHOD	MECHANICAL
FINISHING	POLYPROPYLENE TNT

Vapour barrier made up of three layers of non woven fabric and polypropylene film specially designed to slow down the passage of air and water vapour through insulation layers, thus reducing the formation of condensation. VELAFREN 14 can be fully recycled. High wind resistance.

Suitable for wall underlays and discontinous coverings. It can be used as a barrier protecting insulation layers against the penetration 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 VELAFREN 14 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. This overhanging portion will then be suitably fastened and/or trimmed. Mechanical fastening will be achieved using broad-headed nails or metal staples, if required.

We suggest a fixing distance not exceeding cm 30 for the eaves membrane and cm 60 for the subsequent sheets. 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. In the cases of major exposure to the wind it is also necessary to fix the central part of the sheet. 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 Features

Parameter	Value	Unit of measure	Tolerance	Regulations
MASS PER UNIT AREA	136	g/m²	± 5	EN 1849-2
TENSILE STRENGTH *Longitudinal* *Transversal*	 260 200	N/5cm	 ± 40 ± 35	EN 12311-1
ELONGATION AT BREAK *Longitudinal* *Transversal*	 55 60	%	 ± 20 ± 20	EN 12311-1
TEAR STRENGTH (NAIL SHANK) *Longitudinal* *Transversal*	 160 200	N	 ± 40 ± 50	EN 12310-1
RESISTANCE TO WATER PENETRATION *Method A, (2kPa, 24h)*		watertight	-	EN 1928
WATER COLUMN (Impermeability)	250	cm	-	EN 20811
WATER VAPOUR TRANSMISSION Sd Value	> 2	m	-	EN 1931
WATER VAPOUR TRANSMISSION (WVTR)	< 17	g/m²/24h	-	EN 13859
REACTION TO FIRE	E	Class	-	EN 13501-1
RESISTANCE TO TRACTION CLASS	R2	Class		UNI 11470
TEMPERATURE RESISTANCE	–40 / +80	° C	-	-

Packaging

PRODUCT	THICKNESS (mm)	WEIGHT (Kg/m²)	ROLLS DIMENSIONS (m)
VELAFREN 14	-	136 ±5 g/m2	1,50mx50m=75m²

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.

Membrane according to UNI EN 13984

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