VAPOR EVO 190

HIGH PERFORMANCE VAPOUR CONTROL MEMBRANE

LCA

EN 13984

A	CH	D	F	I
Önorm B3667 DB	SIA 232 V.v.u. V.v.o.>90mm	ZVDH Db	DTU 31.2 Bs dve E1 Sd2 TR3	UNI 11470 B/R3

AUS	USA
AS/NZS 4200.1 Class 2	IRC Class2

NEW GENERATION

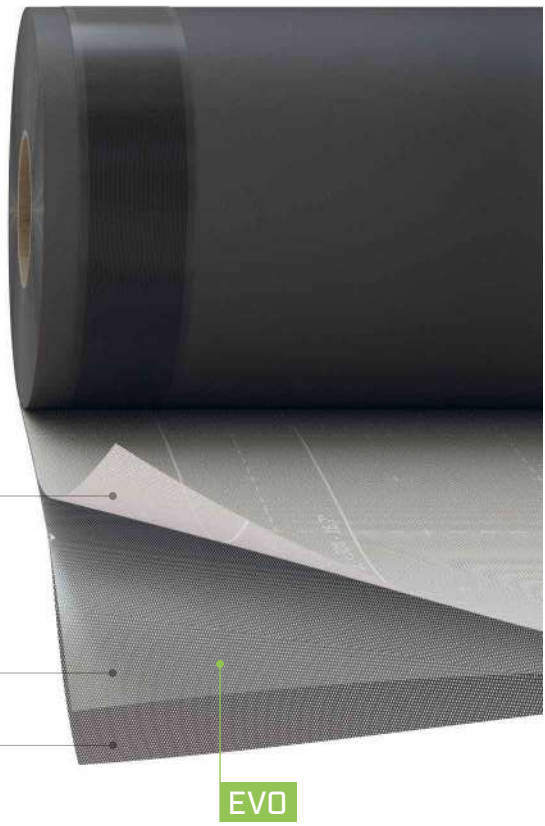
It is part of the EVO membrane family because it contains a special film that ensures durability and high UV stability.

UV STABILITY

Its formulation achieves UV stability for up to 6 months, offering maximum protection to the roof and underlying structure.

HIGH THERMAL RESISTANCE

The special mix of the functional film allows the product to guarantee its performance even when subjected to high thermal stress in extreme climatic conditions.



COMPOSITION

top layer
non-woven PP fabric

middle layer
EVO PE functional film

bottom layer
non-woven PP fabric

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m²]	*H [ft]*	*L [ft]*	*A [ft²]*	
VEVO190	VAPOR EVO 190	-	1,5	50	75	*5*	*164*	*807*	25
VTTEVO190	VAPOR EVO 190 TT	TT	1,5	50	75	*5*	*164*	*807*	25

PROTECTION

Maximum protection against wear and hard rain during installation/construction.
The monolithic film ensures impermeability even under high mechanical wear and tear and contact with aggressive chemicals.

SECURE SEALING

Installation and sealant can be done perfectly, thanks to integrated double tape and the adherence offered by the lower support fabric.

TECHNICAL DATA

Properties	standard	value	*value*
Mass per unit area	EN 1849-2	190 g/m^2	*0.62 oz/ft^2*
Thickness	EN 1849-2	0,6 mm	*24 mil*
Water vapour transmission (Sd)	EN 1931	5 m	*0.699 US perm*
Maximum tensile force MD/CD(1)	EN 12311-2	480 / 500 N/50mm	*55 / 57 lb/in*
Elongation MD/CD(1)	EN 12311-2	65 / 65 %	-
Resistance to nail tearing MD/CD(1)	EN 12310-1	265 / 320 N	*60 / 72 lbf*
Watertightness	EN 1928	conforming	-
Temperature resistance	-	40 / 100 °C	*104 / 212 F*
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	0 m^3/(m^{2}h50Pa)	*0 cfm/ft^2 at 50Pa*
Water vapour resistance:			
- after artificial ageing	EN 1296 / EN 1931	conforming	-
- in the presence of alkalis	EN 1847 / EN 12311-2	npd	-
Thermal conductivity (λ)	-	0,3 W/(m·K)	*0.17 BTU/h·ft·°F*
Specific heat	-	1700 J/(kg·K)	-
Density	-	approx. 316 kg/m^3	*approx. 0.18 oz/in^3*
Water vapour resistance factor (μ)	-	approx. 8300	*approx. 25 MNs/g*
VOC content	-	0 %	-
UV stability(2)	EN 13859-1/2	6 months	-
Exposure to weather(2)	-	10 weeks	-
Water column	ISO 811	600 cm	*236 in*

(1) Average values obtained from laboratory tests. Consult the Declaration of Performance for the minimum values.
(2) For the correlation between laboratory tests and actual conditions, see page 199.

RELATED PRODUCTS

SMART BAND
page 80

NAIL PLASTER
page 126

LIZARD
page 325

THERMAL AND CHEMICAL STABILITY

Resistant up to 100°C, it is not affected by chemicals that it may come into contact with during roof work or through pollution in the air.