

TRASPIR EVO 220

MONOLITHIC BREATHABLE MEMBRANE



EN 13859-1/2



MONOLITHIC

The monolithic structure of the membrane guarantees excellent durability over time, thanks to the special polymers used.

SUPER TAPE

Greater tape width to guarantee excellent resistance to heavy rain, approved by ÖNORM B 4119.

ANTISLIP

Rough surface for excellent sliding resistance thanks to the double polypropylene coating.



DURABILITY



ABRASION RESISTANCE

COMPOSITION

- 1 top layer: non-woven PP fabric
- 2 middle layer: monolithic breathable film
- 3 bottom layer: non-woven PP fabric



CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
TEVO220	TRASPIR EVO 220	-	1,5	50	75	5	164	807	20
TTTEVO220	TRASPIR EVO 220 TT	TT	1,5	50	75	5	164	807	20



RELIABLE

The wider width integrated double tape offers the highest possible protection against heavy rain.

SAFETY

During construction, the monolithic film of the membrane guarantees excellent durability, even when exposed to UV rays.

TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-2	220 g/m ²	0.72 oz/ft ²
Thickness	EN 1849-2	1 mm	39 mil
Water vapour transmission (Sd)	EN 1931	0,2 m	17 US Perm
Tensile strength MD/CD	EN 12311-1	385/315 N/50 mm	44/36 lbf/in
Elongation MD/CD	EN 12311-1	65/80 %	-
Resistance to nail tearing MD/CD	EN 12310-1	345/425 N	78/96 lbf
Watertightness	EN 1928	class W1	-
After ageing:			
- watertightness at 100°C	EN 1297/EN 1928	class W1	-
- tensile strength MD/CD	EN 1297/EN 12311-1	365/270 N/50 mm	42/31 lbf/in
- elongation	EN 1297/EN 12311-1	47/51 %	-
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,02 m ³ /(m ² h50Pa)	< 0.001 cfm/ft ² at 50Pa
Flexibility at low temperatures	EN 1109	-40 °C	-40 °F
Resistance to temperature	-	-40/100 °C	-40/212 °F
UV stability ⁽¹⁾	EN 13859-1/2	1000h (8 months)	-
Thermal conductivity (λ)	-	0,3 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 220 kg/m ³	approx. 14 lbm/ft ³
Water vapour resistance factor (μ)	-	approx. 200	approx. 1 MNs/g
Joint strength	EN 12317-2	> 250 N/50 mm	> 28.5 lbf/in
VOC	-	not relevant	-
Water column	ISO 811	> 500 cm	> 197 in
Driving rain test	TU Berlin	passed	-

⁽¹⁾ Laboratory ageing test data cannot reproduce unforeseeable causes of the product's degradation, or consider the stresses to which it will be subjected during its service life. To ensure its integrity, as a precautionary measure, exposure to weathering during construction should be limited to a maximum of 8 weeks. According to DTU 31.2 P1-2 (France) 1000h of UV ageing equates to a maximum exposure period of 3 months during the construction phase.

Waste classification (2014/955/EU): 17 02 03.

AUS and NZ Properties	standard	value
Vapour permeance	ASTM E96/E96M	0.715 μg/N.s
Vapour classification	AS/NZ 4200.1	Class 3
Resistance to water penetration	AS/NZ 4200.4	Water barrier
Flammability index	AS1530.2	<5 ⁽²⁾
Duty classification	AS/NZ 4200.1	Light
Tensile strength MD/CD	AS1301.448s	7.7/5.3 kN/m
Edge tearing resistance MD/CD	AS/NZ 4200.1	402/278 N
Burst strength	AS2001.2.19 / AS/NZS4200.1	706 N
Dimensional stability	AS/NZ 4200.4	<0.5%

⁽²⁾ This product is suitable for use in BAL regions 12.5 to 40 in accordance with AS3959. Wherever non combustible material is required by the NCC it should be noted that this product is less than 1 mm thick and has a flammability index of less than 5.



HIGH MASS PER UNIT AREA

The performance and mass per unit area of this monolithic membrane allow it to meet even the most severe national standards – classified as one of the highest performing membranes.