TRASPIR DOUBLE EVO 340

MONOLITHIC AND MICROPOROUS BREATHABLE MEMBRANE

LCA

EN 13859-1/2

AUS	USA	A	CH	D	F	I
AS/NZS 4200.1 Class 3	IRC vp	Önorm B4119 UD Typ II US	SIA 232 UD (g)	ZVDH USB-A UDB-A	DTU 31.2 E1 Sd1 TR3 E600 Jf C2	UNI 11470 A/R3

DURABILITY

ABRASION RESISTANCE

DOUBLE PROTECTION

MONOLITHIC

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

LOW PITCHES

Thanks to its mass per unit area, it can also be effectively installed on roofs with pitches down to 5°.

DOUBLE PROTECTION

Double functional membrane for double watertightness and weather protection.

COMPOSITION

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

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m²]	*H [ft]*	*L [ft]*	*A [ft²]*	
TEVO340	TRASPIR DOUBLE EVO 340	-	1,5	25	37,5	*5*	*82*	*404*	20
TTTEVO340	TRASPIR DOUBLE EVO 340 TT	TT	1,5	25	37,5	*5*	*82*	*404*	20

RELIABLE

High mass per unit area guarantees excellent protection even during construction.

SAFETY

The double protection provided by the two functional films ensures superior watertightness.

TECHNICAL DATA

Properties	standard	value	*USC units*
Mass per unit area	EN 1849-2	340 g/m^2	*1.11 oz/ft^2*
Thickness	EN 1849-2	1,2 mm	*47 mil*
Water vapour transmission (Sd)	EN 1931	0,19 m	*18 US Perm*
Tensile strength MD/CD	EN 12311-1	605/455 N/50 mm	*69/52 lbf/in*
Elongation MD/CD	EN 12311-1	65/80 %	-
Resistance to nail tearing MD/CD	EN 12310-1	415/500 N	*93/112 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	550/400 N/50 mm	*63/46 lbf/in*
- elongation	EN 1297/EN 12311-1	37/51 %	-
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)	-	0,04 W/(m·K)	*0.02 BTU/h·ft·°F*
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 284 kg/m^3	*approx. 10 lbm/ft^3*
Water vapour resistance factor (μ)	-	approx. 160	*approx. 0.95 MNs/g*
Joint strength	EN 12317-2	> 250 N/50 mm	*> 28.5 lbf/in*
VOC	-	not relevant	-
Water column	ISO 811	> 600 cm	*> 236 in*

(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.

RELATED PRODUCTS

GEMINI
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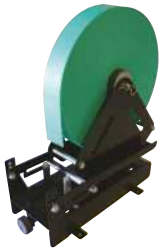

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HIGH PERFORMANCE

The high mass per unit area and the double functional layer guarantee high protection and abrasion resistance. The monolithic membrane meets the most strict requirements of the various national regulations, classifying it as a very high performance product.