

TRASPIR EVO UV 115

HIGHLY BREATHABLE MONOLITHIC
MEMBRANE RESISTANT TO UV RAYS



SAFETY

High watertightness and excellent weather resistance thanks to the special extruded mix.

B-s1,d0

Flame retardant certification, Euroclass reaction to fire B-s1, d0 based on EN 13501-1.

PERMANENT UV STABILITY

Permanent resistance to UV rays with exposure with open joints up to 30 mm wide, and with up to 20% of the surface uncovered.

COMPOSITION

top layer
highly UV-stable PP non-woven fabric

bottom layer
breathable monolithic PU film



CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
TUV115	TRASPIR EVO UV 115	-	1,5	50	75	5	164	807	36



UV STABILITY

The special monolithic compound ensures high UV stability even with open-joint façades.

NON-FLAMMABLE

Thanks to the special chemical composition that is flame retardant, it is suitable for applications on facades in direct contact with the ventilation chamber, or in cases in which the product is visible in internal environments.

TECHNICAL DATA

Properties	standard	value	USC conversion
Mass per unit area	EN 1849-2	115 g/m ²	0.38 oz/ft ²
Thickness	EN 1849-2	0,3 mm	12 mil
Water vapour transmission (Sd)	EN 1931	0,08 m	43.706 US perm
Maximum tensile force MD/CD	EN 12311-1	150 / 110 N/50mm	17 / 13 lb/in
Elongation MD/CD	EN 12311-1	90 / 90 %	-
Resistance to nail tearing MD/CD	EN 12310-1	130 / 170 N	29 / 38 lbf
Watertightness	EN 1928	class W1	-
Temperature resistance	-	-40 / 80 °C	-40 / 176 °F
Reaction to fire	EN 13501-1	class B-s1,d0	-
Resistance to penetration of air	EN 12114	0 m ³ /(m ² h50Pa)	0 cfm/ft ² at 50Pa
Thermal conductivity (λ)	-	0,3 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 300 kg/m ³	approx. 0.17 oz/in ³
Water vapour resistance factor (μ)	-	approx. 270	approx. 0.4 MNs/g
VOC content	-	0 %	-
UV resistance without final coating ⁽¹⁾	EN 13859-1/2	4 months	-
Weathering without final cladding ⁽¹⁾	-	8 weeks	-
UV stability with joints up to 30 mm wide exposing no more than 20% of the surface	EN 13859-2	permanent	-
Water column	ISO 811	> 500 cm	> 197 in
After ageing:			
- watertightness at 100°C	EN 1297 / EN 1928	class W1	-
- maximum tensile force MD/CD	EN 1297 / EN 12311-1	> 98 / 72 N/50mm	> 11 / 8 lb/in
- elongation	EN 1297 / EN 12311-1	> 59 / 59 %	-
Flexibility at low temperatures	EN 1109	-40 °C	-40 °F
Driving rain test	TU Berlin	passed	-

⁽¹⁾ Membrane subjected to artificial ageing test for 5000h (standard 336h). For correlation between laboratory tests and actual conditions, see page 199.

FIRE PROTECTION



FIRE SEALING
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FIRE FOAM
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INNOVATION

The membrane features an innovative technology that allows it to be used even on metal façades with high temperature fluctuations, without compromising its performance.