

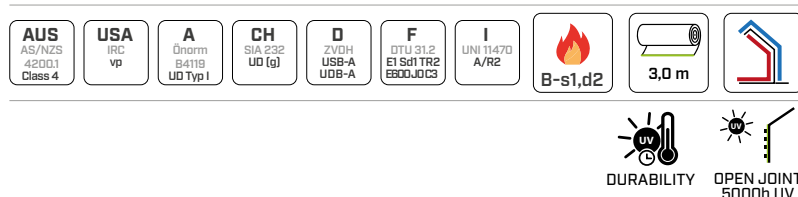
TRASPIR FELT EVO UV 210

BREATHABLE MONOLITHIC MEMBRANE
RESISTANT TO UV RAYS



COMPOSITION

- ① top layer: monolithic PU breathable film
- ② reinforcing layer: PL fabric



TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-2	210 g/m ²	0.69 oz/ft ²
Thickness	EN 1849-2	1 mm	39 mil
Water vapour transmission (Sd)	EN 1931	0,1 m	35 US Perm
Tensile strength MD/CD	EN 12311-1	380/420 N/50 mm	43/48 lbf/in
Elongation MD/CD	EN 12311-1	40/55 %	-
Resistance to nail tearing MD/CD	EN 12310-1	220/210 N	49/47 lbf
Watertightness	EN 1928	class W1	-
After ageing ⁽¹⁾ :			
- watertightness at 120°C	EN 1297/EN 1928	class W1	-
- tensile strength MD/CD	EN 1297/EN 12311-1	340/380 N/50 mm	39/43 lbf/in
- elongation	EN 1297/EN 12311-1	35/50 %	-
Reaction to fire	EN 13501-1	class B-s1,d2	-
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	-30 °C	-22 °F
Resistance to temperature	-	-40/120 °C	-40/248 °F
UV resistance without final coating ⁽²⁾	EN 13859-1/2	5000h (> 12 months)	-
UV stability with joints up to 30 mm wide exposing no more than 30% of the surface ⁽³⁾	EN 13859-1/2	permanent	-
Thermal conductivity (λ)	-	0,2 W/(m·K)	0.12 BTU/h·ft·°F
Specific heat	-	1300 J/(kg·K)	-
Density	-	approx. 210 kg/m ³	18 lbm/ft ³
Water vapour resistance factor (μ)	-	approx. 100	approx. 0,5 MNs/g
VOC	-	not relevant	-
Water column	ISO 811	> 300 cm	> 118.11024 in

⁽¹⁾Ageing conditions are tested in accordance with EN 13859-2, Annex C, extended to 5000h (standard 336h).

⁽²⁾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 12 weeks. According to DTU 31.2 P1-2 (France) 5000h of ageing equates to a maximum exposure period of 6 months during the construction phase.

⁽³⁾The membrane is not intended as a final waterproof layer for roofs.

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
TUV210	TRASPIR FELT UV 210	-	1,5	50	75	5	164	807	16
TUV21030	TRASPIR FELT UV 210 3,0 m	-	3	50	150	10	164	1615	16