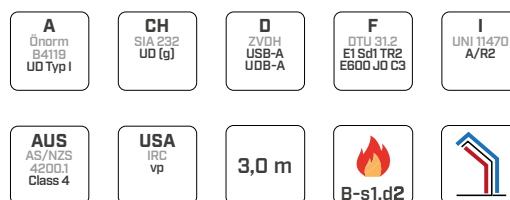


TRASPIR FELT EVO UV 210

CE
EN 13859-1/2

BREATHABLE MONOLITHIC MEMBRANE
RESISTANT TO UV RAYS



COMPOSITION

top layer
breathable monolithic PU film

reinforcing layer
PL fabric



MONOLITHIC

TECHNICAL DATA

Properties	standard	value	USC conversion
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	34.965 US perm
Maximum tensile force MD/CD	EN 12311-1	380 / 420 N/50mm	43 / 48 lb/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	-
Temperature resistance	-	-40 / 100 °C	-40 / 212 °F
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
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	approx. 0.12 oz/in ³
Water vapour resistance factor (μ)	-	approx. 150	approx. 0,5 MNs/g
VOC content	-	0 %	-
UV resistance without final coating ⁽¹⁾	EN 13859-1/2	4 months	-
UV stability with joints up to 30 mm wide exposing no more than 30% of the surface ⁽²⁾	EN 13859-1/2	permanent	-
Weathering without final cladding ⁽¹⁾	-	10 weeks	-
Water column	ISO 811	> 300 cm	> 118.11024 in
After ageing:			
- watertightness	EN 1297 / EN 1928	class W1	-
- maximum tensile force MD/CD	EN 1297 / EN 12311-1	340 / 380 N/50mm	39 / 43 lb/in
- elongation	EN 1297 / EN 12311-1	35 / 50 %	-
Flexibility at low temperatures	EN 1109	-30 °C	-22 °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.

⁽²⁾The membrane is not suitable for standing water for long periods.

CODES AND DIMENSIONS

CODE	description	tape	H	L	A	H	L	A	
			[m]	[m]	[m ²]	[ft]	[ft]	[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