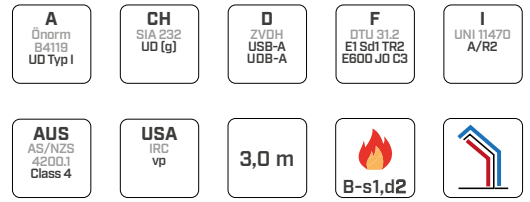


# TRASPIR FELT EVO UV 210

CE  
EN 13859-1/2

BREATHABLE MONOLITHIC MEMBRANE  
RESISTANT TO UV RAYS



## COMPOSITION

top layer  
breathable monolithic PU film

reinforcing layer  
PL fabric



## TECHNICAL DATA

Properties	standard	value	USC conversion
Mass per unit area	EN 1849-2	210 g/m <sup>2</sup>	0.69 oz/ft <sup>2</sup>
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 <sup>3</sup> /(m <sup>2</sup> h50Pa)	< 0.001 cfm/ft <sup>2</sup> 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 <sup>3</sup>	approx. 0.12 oz/in <sup>3</sup>
Water vapour resistance factor (μ)	-	approx. 150	approx. 0,5 MNs/g
VOC content	-	0 %	-
UV resistance without final coating <sup>(1)</sup>	EN 13859-1/2	4 months	-
UV stability with joints up to 30 mm wide exposing no more than 30% of the surface <sup>(2)</sup>	EN 13859-1/2	permanent	-
Weathering without final cladding <sup>(1)</sup>	-	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	-

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

<sup>(2)</sup>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 <sup>2</sup> ]	[ft]	[ft]	[ft <sup>2</sup> ]	
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