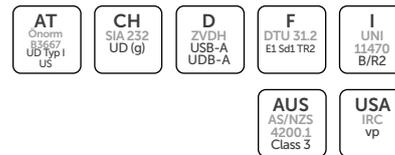


# TRASPIR HOUSE MONO 190



## HIGHLY BREATHABLE MONOLITHIC MEMBRANE



- The monolithic film ensures breathability through a chemical reaction
- The continuous and homogeneous layer creates a complete barrier against the passage of water
- The mass per unit area of the membrane ensures mechanical strength and protection during construction



LOW PITCHES



ABRASION RESISTANT



HIGH DURABILITY

CODE	tape	H		L		A		
		[m]	[ft]	[m]	[ft]	[m <sup>2</sup> ]	[ft <sup>2</sup> ]	
TRASPHMTT190	TT	1,5	5	50	164	75	807	20



## COMPOSITION

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

## TECHNICAL DATA

properties	standard	value
mass per unit area	EN 1849-2	190 g/m <sup>2</sup>
thickness	EN 1849-2	0,6 mm
water vapour transmission (Sd)	EN 1931	0,2 m
tensile strength MD/CD	EN 12311-1	310 / 280 N/50mm
elongation MD/CD	EN 12311-1	50 / 60 %
resistance to nail tearing MD/CD	EN 12310-1	220 / 230 N
watertightness	EN 1928	class W1
after ageing:		
- watertightness	EN 1297 / EN 1928	class W1
- tensile strength MD/CD	EN 1297 / EN 12311-1	270 / 240 N/50mm
- elongation	EN 1297 / EN 12311-1	35 / 40 %
reaction to fire	EN 13501-1	class E
resistance to penetration of air	EN 12114	< 0,02 m <sup>3</sup> /(m <sup>2</sup> h50Pa)
resistance to temperature	-	-40 / +100 °C
UV stability <sup>(1)</sup>	EN 13859-1/2	1000h (8 months)
thermal conductivity (λ)	-	0,4 W/(m·K)
specific heat	-	1800 J/(kg·K)
density	-	approx. 317 kg/m <sup>3</sup>
water vapour resistance factor (μ)	-	approx. 334
VOC	-	not relevant
flexibility at low temperatures	EN 1109	-30 °C

<sup>(1)</sup>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.