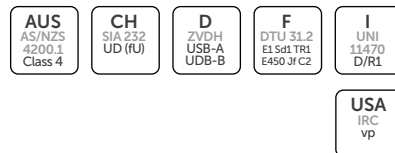


TRASPIR HOUSE 110



HIGHLY BREATHABLE MEMBRANE



- It passed the artificial ageing test involving exposure to UV light for 1000 hours (standard test: 336 hours)
- It is one of the products for which the voluntary EPD and LCA environmental declarations have been developed
- Quality certified by the Norwegian SINTEF and the French CSTB institute (E450 Jf C2)



CODE	tape	H [m]	L [m]	A [m ²]	pcs
TRASPH110	-	1,5	50	75	36

COMPOSITION

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

TECHNICAL DATA

properties	standard	value
mass per unit area	EN 1849-2	112 g/m ²
thickness	EN 1849-2	0.4 mm
water vapour transmission (Sd)	EN 1931	0,03 m
water vapour transmission (dry cup)	ASTM E96/ E96M	101 US perm 5810 ng/(s·m ² ·Pa)
MD/CD tensile strength	EN 12311-1	250 / 165 N/50mm
MD/CD elongation	EN 12311-1	50 / 70 %
resistance to nail tearing MD/CD	EN 12310-1	115 / 135 N
watertightness	EN 1928	class W1
thermal resistance	-	-40 / 80 °C
reaction to fire	EN 13501-1	class E
resistance to penetration of air	EN 12114	< 0,02 m ³ /(m ² h50Pa)
thermal conductivity (λ)	-	0,3 W/(m·K)
specific heat	-	1800 J/(kg·K)
density	-	approx. 264 kg/m ³
water vapour resistance factor (μ)	-	approx. 50
VOC content	-	0 %
UV stability	EN 13859-1/2	3 months
exposure to weather	-	2 weeks
water column	ISO 811	> 280 cm
after artificial ageing:		
- watertightness	EN 1297 / EN 1928	class W1
- maximum tensile force MD/CD	EN 1297 / EN 12311-1	220 / 145 N/50mm
- elongation	EN 1297 / EN 12311-1	40 / 60 %
flexibility at low temperatures	EN 1109	-30 °C
driving rain test	TU Berlin	passed