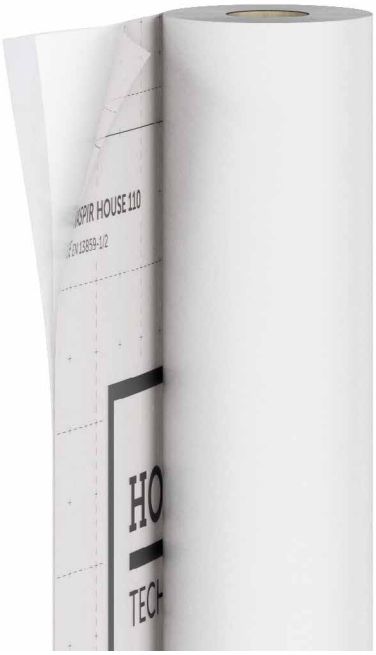
TRASPIR HOUSE 110

HIGHLY BREATHABLE MEMBRANE

AUS AS/NZS 4200.1 Class 4 | CH SIA 232 UD (fU) | D ZVDH USB-A UDB-B | F DTU 31.2 E1 Sd1 TR1 E450 Jf C2 | I UNI 11470 D/R1 | USA IRC vp

- It has passed ASTM E331 and Sintef water penetration resistance testing, ensuring a waterproof barrier at 300 Pa, making it the ideal solution for providing temporary protection during construction and in the event of accidental breaks in the cladding
- Voluntary environmental certifications EPD and LCA
- Quality certified by the Norwegian SINTEF and the French CSTB institute (E450 Jf C2)



Data sheet available online

USER-FRIENDLY | LIGHT | 300 Pa

CODE	tape	H [m]	L [m]	A [m²]	
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/m²
thickness	EN 1849-2	0.4 mm
water vapour transmission (Sd)	EN 1931	0,03 m
tensile strength MD/CD	EN 12311-1	250/165 N/50 mm
elongation MD/CD	EN 12311-1	50/70 %
resistance to nail tearing MD/CD	EN 12310-1	115/135 N
watertightness	EN 1928	class W1
after ageing:		
- watertightness	EN 1297/EN 1928	class W1
- tensile strength MD/CD	EN 1297/EN 12311-1	220/145 N/50 mm
- elongation	EN 1297/EN 12311-1	40/60 %
reaction to fire	EN 13501-1	class E
resistance to penetration of air	EN 12114	< 0,02 m³/(m²h50Pa)
flexibility at low temperatures	EN 1109	-30 °C
resistance to temperature	-	-40/80 °C
UV stability(1)	EN 13859-1/2	336h (3 months)
thermal conductivity (λ)	-	0,3 W/(m·K)
specific heat	-	1800 J/(kg·K)
density	-	approx. 275 kg/m³
water vapour resistance factor (μ)	-	approx. 75
VOC	-	not relevant
water column	ISO 811	> 280 cm
driving rain test	TU Berlin	passed

(1)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 2 weeks. The QB 20-01-003 certificate (France) allows up to 3 months of exposure during construction.

Waste classification (2014/955/EU): 17 02 03.

TECHNICAL DATA

USA and CA Properties	standard	value
water vapour transmission (dry cup)	ASTM E96/ E96M	101 US Perm
	CAN2-51.32-M77	5810 ng/(s·m²·Pa)
airtightness	ASTM E2178	compliant
airtightness (before and after ageing)	CAN/ULC-S741	compliant
pliability	CAN2-51.32-M77	compliant
resistance to water penetration at 300 Pa on wall	ASTM E331	compliant
tensile strength	ASTM D828	4,67 N/mm

RESISTANCE TO WATER PENETRATION

TRASPIR 110 has been tested in accordance with ASTM E331 to confirm its effectiveness against water jets at 75 Pa and 300 Pa and sealed with FLEXI BAND.

WATER JET PRESSURE		OUTCOME	NOTES AND REMARKS
	75 Pa	passed	**no infiltration**
	300 Pa	passed	**no infiltration**