

TRASPIR 110

HIGHLY BREATHABLE MEMBRANE

CERTIFIED

Approved by external bodies Sintef (Norway) and CSTB (France) for use as a waterproof underlay.

ENVIRONMENTAL DECLARATION

Verified by an independent third party. Transparent, comparable information on its environmental impact is available, starting with the life cycle assessment.

PRACTICAL

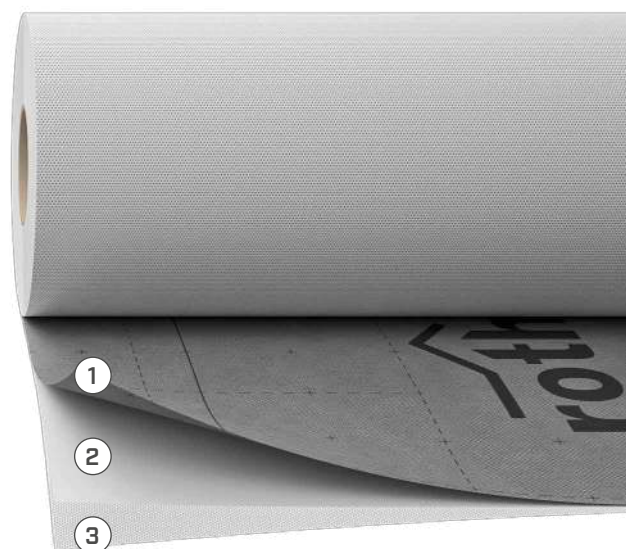
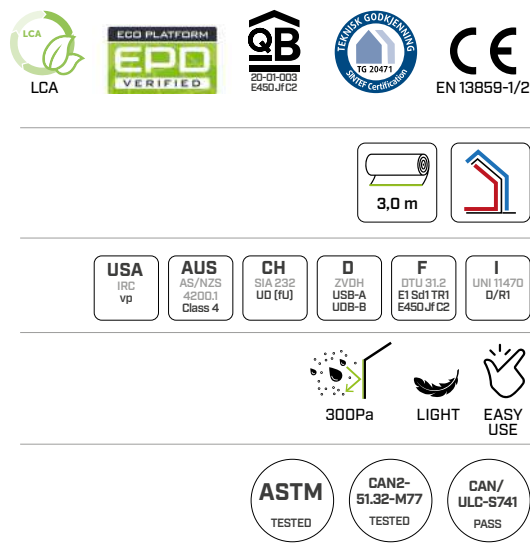
Light and easy to install, it protects the envelope and acts as a wind-tight layer.

COMPOSITION

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

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
T110	TRASPIR 110	-	1,5	50	75	5	164	807	36
T11030	TRASPIR 110 3,0 m	-	3	50	150	10	164	1615	36



SAFE

It has passed ASTM E331 and Sintef water penetration resistance testing, guaranteeing 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.

TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-2	112 g/m ²	0.37 oz/ft ²
Thickness	EN 1849-2	0.4 mm	16 mil
Water vapour transmission (Sd)	EN 1931	0,03 m	116 PERM
Tensile strength MD/CD	EN 12311-1	250/165 N/50 mm	29/19 lbf/in
Elongation MD/CD	EN 12311-1	50/70 %	-
Resistance to nail tearing MD/CD	EN 12310-1	115/135 N	26/30 lbf
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	25/17 lbf/in
- 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 m ³ /(m ² h50Pa)	< 0.001 cfm/ft ² at 50Pa
Flexibility at low temperatures	EN 1109	-30 °C	-22 °F
Resistance to temperature	-	-40/80 °C	-40/176 °F
UV stability ⁽¹⁾	EN 13859-1/2	336h (3 months)	-
Thermal conductivity (λ)	-	0,3 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 275 kg/m ³	approx. 17 lbm/ft ³
Water vapour resistance factor (μ)	-	approx. 75	approx. 0.15 MNs/g
VOC	-	not relevant	-
Water column	ISO 811	> 280 cm	> 110 in
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.

USA and CA Properties	standard	value
Water vapour transmission (dry cup)	ASTM E96/ E96M CAN2-51.32-M77	101 US Perm 5810 ng/(s·m ² ·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

