

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

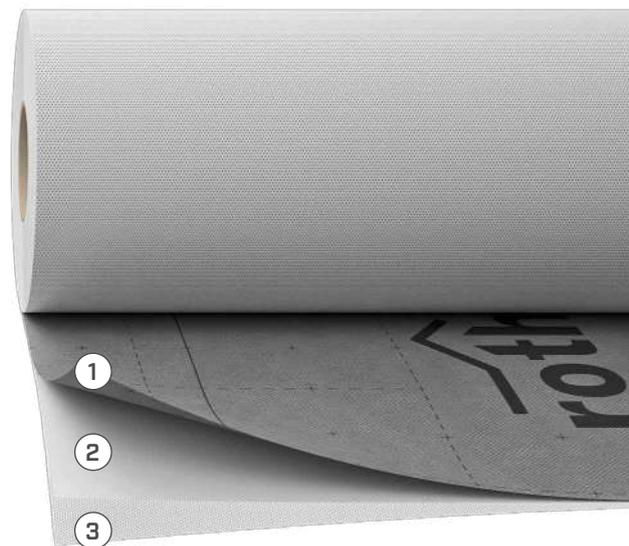
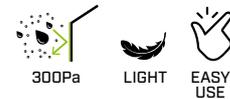
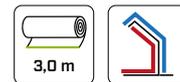
Light and easy to install, it protects the envelope and acts as a wind-tight layer.

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 ² ·°F |
| Specific heat | - | 1800 J/(kg·K) | - |
| Density | - | approx. 275 kg/m ³ | approx. 17 lbf/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 |

