

DEFENCE ADHESIVE TRASPIR EVO

CE
EN 13859-1/2

SELF-ADHESIVE BREATHABLE MONOLITHIC MEMBRANE

MONOLITHIC

The homogeneous and continuous monolithic functional layer provides maximum protection against the passage of water and high breathability. The special compound ensures significant weather resistance and excellent durability over time.

BREATHABLE

Thanks to the patented glue, the membrane remains perfectly breathable even when fully bonded, allowing any wet elements to dry out.

PRACTICAL

Easy to install thanks to the semi-transparent structure that allows the underlying structure to be visible.



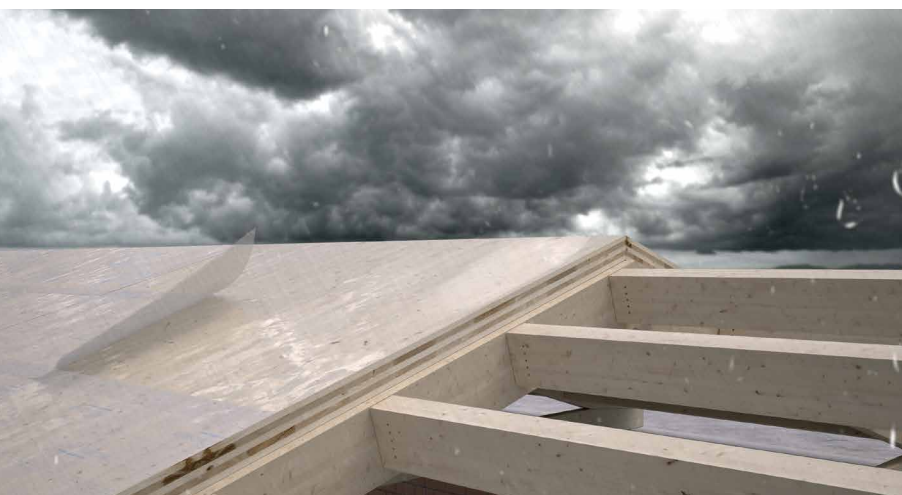
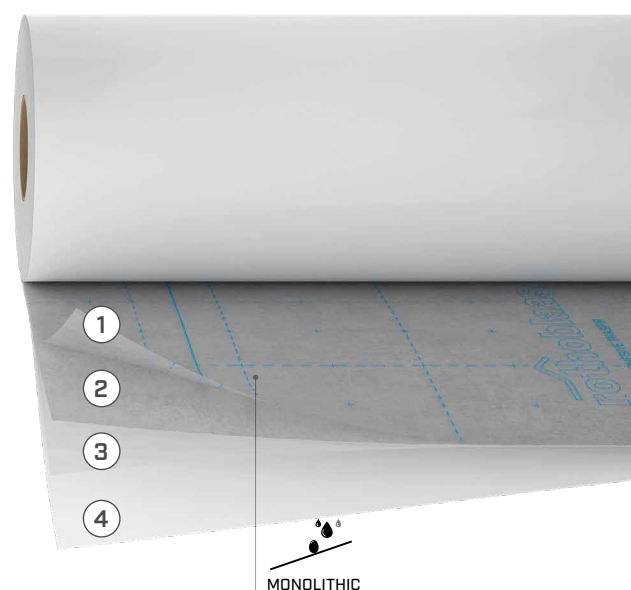
COMPOSITION

- 1 top layer: monolithic PU coated breathable film
- 2 bottom layer: non-woven PP fabric
- 3 glue: breathable, durable and solvent-free
- 4 release liner: pre-cut removable plastic film

CODES AND DIMENSIONS

CODE	description	liner [mm]	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
DEFATRASP	DEFENCE ADHESIVE TRASPIR 1,55 m	150/1400	1,55	50	77,5	5' 1"	164	834	25
DEFATRASP385	DEFENCE ADHESIVE TRASPIR 0,385 m	192,5/192,5	0,385	50	19,25	1' 3"	164	207	48
DEFATRASP490	DEFENCE ADHESIVE TRASPIR 50 cm	245/245	0,49	50	24,5	1' 7" 1/4	164	264	24
DEFATRASP990	DEFENCE ADHESIVE TRASPIR 1 m	495/495	0,99	50	49,5	3' 3"	164	533	24

Available in different widths on request.



SAFETY

The PU top layer provides water impermeability, excellent durability and resistance to construction site stresses.

PROTECTION

DEFENCE ADHESIVE TRASPIR is essential to protect the elements of the structure both during transport and on the construction site. The hygrothermal behaviour of structural components is maintained by applying the breathable, monolithic membrane.

TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-2	175 g/m ²	0.57 oz/ft ²
Thickness	EN 1849-2	0,35 mm	12 mil
Water vapour transmission (Sd)	EN 1931	0,19 m	18 US Perm
Tensile strength MD/CD	EN 12311-1	120/75 N/50 mm	14/9 lbf/in
Elongation MD/CD	EN 12311-1	65/75 %	-
Resistance to nail tearing MD/CD	EN 12310-1	50/70 N	11.2/15.7 lbf
Watertightness	EN 1928	W1	-
After artificial ageing			
- watertightness at 100°C	EN 1297/EN 1928	W1	-
- tensile strength MD/CD	EN 1297/EN 12311-1	> 60/40 N/50 mm	> 7/5 lbf/in
- elongation MD/CD	EN 1297/EN 12311-1	> 30/40 %	-
Reaction to fire	EN 13501-1	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	-40°C	-40 °F
Resistance to temperature	-	-40/+100 °C	-40/+212 °F
UV stability ⁽¹⁾	EN 13859-1/2	1000h (8 months)	-
Exposure to weather ⁽²⁾	-	14 weeks	-
Thermal conductivity (λ)	-	0,3 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 580 kg/m ³	approx. 36 lbm/ft ³
Water vapour resistance factor (μ)	-	approx. 630	approx. 0.95 MNs/g
Adhesion strength on OSB at 90° after 10 min	EN 29862	2 N/10 mm	1.1 lbf/in
Adhesion strength on OSB at 180° after 10 min	EN 29862	4,5 N/10 mm	2.6 lbf/in
Adhesion strength (average) on DEFENCE ADHESIVE TRASPIR after 24h ⁽³⁾	EN 12316-2	16 N/50 mm	1.8 lbf/in
Shear adhesion strength of the joint on DEFENCE ADHESIVE TRASPIR after 24h ⁽⁴⁾	EN 12317-2	150 N/50 mm	17 lbf/in
Storage temperature ⁽⁵⁾	-	+5/+30 °C	+41/+86 °F
Application temperature	-	-5/+35 °C	-23/+95 °F
Solvents	-	no	-

⁽¹⁾Laboratory ageing tests are not able to reproduce the unpredictability of the product's degradation or the stresses to which it will be subjected during its service life.

To ensure its integrity, it is recommended to limit the time of exposure to the weather during the construction phase to a maximum of 10 weeks. According to DTU 31.2 P1-2 (France), UV ageing of 1,000 hours allows a maximum exposure of 3 months during the construction phase.

⁽²⁾For use as temporary protection of construction elements, instead of as a long-term functional layer.

⁽³⁾Minimum required value according to DTU 31.2 P1-2 (France): 15 N/50 mm.

⁽⁴⁾Minimum required value according to DTU 31.2 P1-2 (France): 40 N/50 mm.

⁽⁵⁾Store the product in a cool, dry place for no more than 12 months.

Waste classification (2014/955/EU): 08 04 10.

USA and CA Properties	standard	value
Water vapour transmission (dry cup)	ASTM E96/ E96M	12.2 US Perm 699 ng/(s·m ² ·Pa)
Water vapour transmission (wet cup)	ASTM E96/ E96M	16.4 US Perm 936 ng/(s·m ² ·Pa)



SPECIAL GLUE

The acrylic dispersion glue has a specific formulation to ensure breathability and does not alter the properties of the functional film of the membrane. The special glue provides long-term performance, UV stability and water resistance, offering optimal adhesion at both high and low temperatures.