

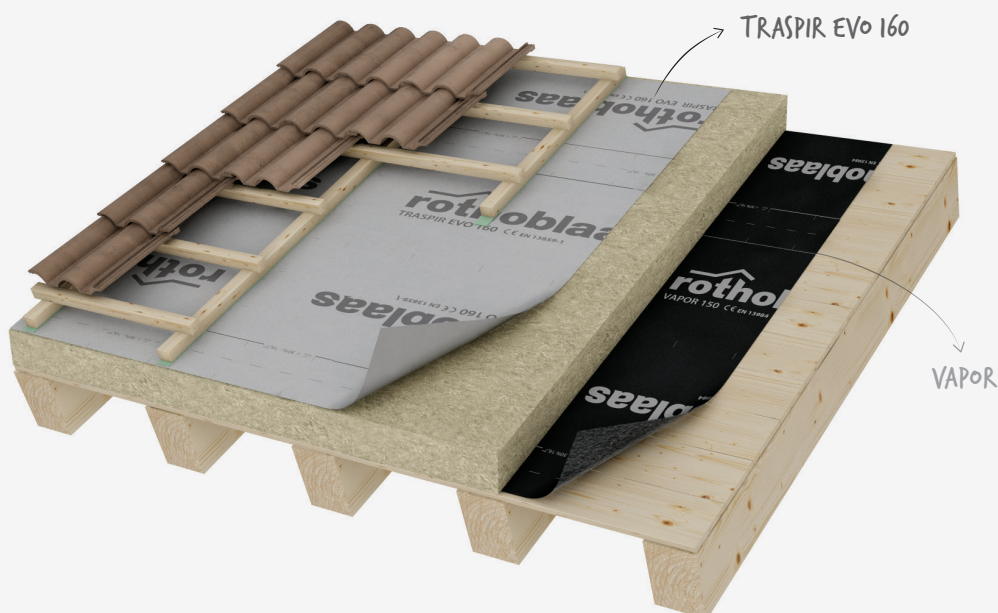
TRASPIR EVO 160



Monolithic highly breathable film

Monolithic elastomer (PE) film, extruded between two polypropylene (PP) protective layers

AT Onorm B4119 UD-k RU	FR CPT 3651_2 HPV E1-Sd1-TR2	CH SIA 232 UD EB	DE ZVDH UDB-A USB-A	IT UNI 11470 B/R2
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life long

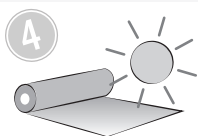
MONOLITHIC

The monolithic structure of the membrane guarantees excellent durability over time, thanks to the special polymers used



SECURITY

High watertightness and excellent weather resistance thanks to the structural continuity of the monolithic film



4 MONTH UV STABILITY

4 month resistance to UV rays with full exposure to radiation and no protection

DID YOU KNOW THAT...?

MONOLITHIC FILM

The monolithic functional membrane guarantees breathability, thanks to a chemical reaction, rather than a micro perforation process as seen in microporous products. This means the layer is continuous and homogeneous, offering a complete barrier against the passage of water.

CODES AND DIMENSIONS

code	ex code	description	tape	H x L [m]	A [m ²]	pcs/
TTTEV0160	D42504	TRASPIR EVO 160 TT	TT	1.5 x 50	75	30

WHERE CAN IT
BE APPLIED?





Placed on the cool side of insulation, it guarantees watertightness and wind proofing



High protection against heavy rain during temporary exposure to weather during construction

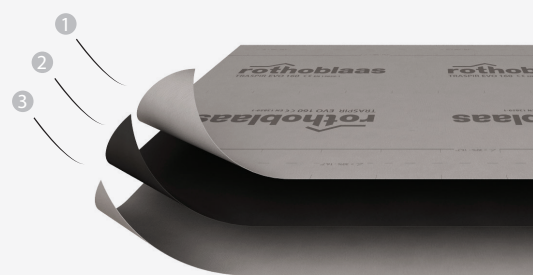


TECHNICAL SPECIFICATIONS

property	standard	value
Mass per unit area	EN 1849-2	160 g/m ²
Thickness	EN 1849-2	0.5 mm
Straightness	EN 1848-2	conforming
Water vapour transmission (Sd)	EN 1931 / EN ISO 12572	0.1 m
Maximum tensile force MD/CD	EN 12311-1	280 / 220 N/50 mm
Elongation MD/CD	EN 12311-1	50 / 60 %
Resistance to tearing MD/CD	EN 12310-1	180 / 200 N
Watertightness	EN 1928	class W1
Water column	EN 20811	> 500 cm
UV resistance *	EN 13859-1	4 months
Temperature resistance	-	-40 / +100 °C
Reaction to fire	EN 13501-1	class E
Resistance to penetration of air	EN 12114	< 0.02 m ³ /m ² h50Pa
After ageing:		
• maximum tensile force MD/CD	EN 13859-1	260 / 200 N/50 mm
• watertightness	EN 13859-1	class W1
• elongation MD/CD	EN 13859-1	40 / 50 %
Flexibility at low temperature	EN 1109	-40 °C
Dimensional stability	EN 1107-2	< 2 %
Thermal conductivity (λ)	-	0.4 W/mK
Specific heat	-	1800 J/kgK
Density	-	approx. 370 kg/m ³
Water vapour resistance factor (μ)	-	approx. 160
Recommended installation pitch	-	> 13°
Driving rain test	TU Berlin	passed
VOC emissions	-	0 % (class A+)
Joint strength	EN 12317-2	> 200 N/50 mm

* for more indications, see page 19

COMPOSITION



① top layer: non-woven PP fabric

② middle layer: monolithic PE breathable film

③ bottom layer: non-woven PP fabric