

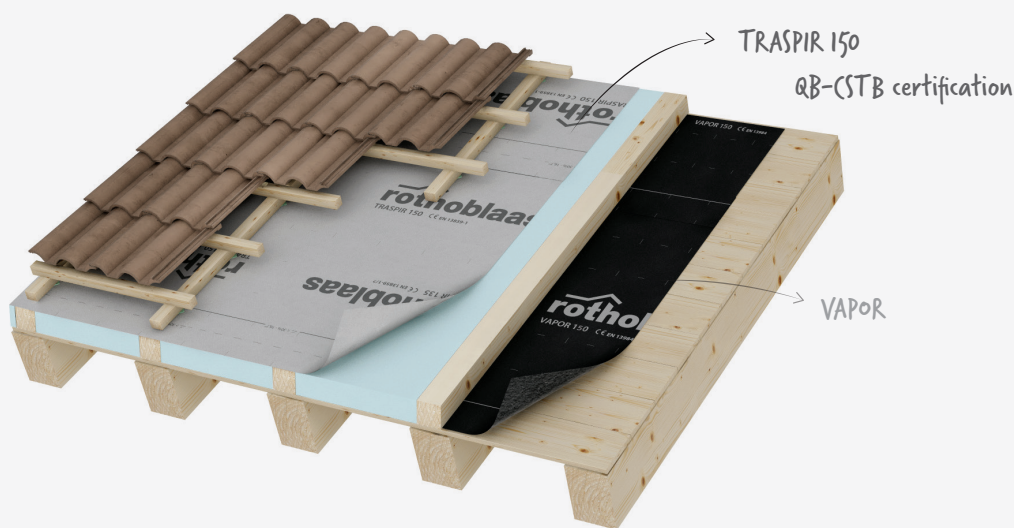
# TRASPIR 150

3,0m



Highly breathable membranes

Microporous film and polypropylene (PP) protective layers



## TECHNICAL SPECIFICATIONS

property	standard	1 150	2 150R
		value	value
Maximum tensile force class (Italy)	UNI 11470	R3	R2
Mass per unit area	EN 1849-2	150 g/m <sup>2</sup>	150 g/m <sup>2</sup>
Thickness	EN 1849-2	0.5 mm	0.7 mm
Straightness	EN 1848-2	conforming	conforming
Water vapour transmission (Sd)	EN 1931	0.05 m	0.02 m
Maximum tensile force MD/CD	EN 12311-1	315 / 250 N/50 mm	350 / 210 N/50 mm
Elongation MD/CD	EN 12311-1	61 / 66 %	60 / 75 %
Resistance to tearing MD/CD	EN 12310-1	255 / 270 N	165 / 175 N
Watertightness	EN 1928	class W1	class W1
Water column	EN 20811	> 300 cm	> 250 cm
UV resistance *	EN 13859-1	2 months	2 months
Temperature resistance	-	-40 / +80 °C	-40 / +80 °C
Reaction to fire	EN 13501-1	class E	class E
Resistance to penetration of air	EN 12114	0 m <sup>3</sup> /m <sup>2</sup> h 50Pa	< 0.04 m <sup>3</sup> /m <sup>2</sup> h 50Pa
After ageing:			
• maximum tensile force MD/CD	EN 13859-1	295 / 225 N/50 mm	320 / 180 N/50 mm
• watertightness	EN 13859-1	class W1	class W1
• elongation MD/CD	EN 13859-1	45 / 47 %	40 / 50 %
Flexibility at low temperature	EN 1109	-40 °C	-40 °C
Dimensional stability	EN 1107-2	-0.6 / 0.5 %	1 %
Thermal conductivity (λ)	-	0.3 W/mK	0.3 W/mK
Specific heat	-	1800 J/kgK	1800 J/kgK
Density	-	approx. 300 kg/m <sup>3</sup>	approx. 215 kg/m <sup>3</sup>
Water vapour resistance factor (μ)	-	approx. 100	approx. 40
Recommended installation pitch	-	> 13°	> 13°
Driving rain test	TU Berlin	passed	passed
VOC emissions	-	0 % (class A+)	0 % (class A+)

\* for more indications, see page 19

## 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	ex code	description	tape	H x L [m]	A [m <sup>2</sup> ]	pcs/roll
1 T150	D23502	TRASPIR 150	-	1.5 x 50	75	30
1 TTT150	D23504	TRASPIR 150 TT	TT	1.5 x 50	75	30
1 T15030	D23508	TRASPIR 150 3.0m	-	3.0 x 50	150	30
2 T150R	D23602	TRASPIR 150 R2	-	1.5 x 50	75	25
2 TTT150R	D23604	TRASPIR 150 TT R2	TT	1.5 x 50	75	25

WHERE CAN IT BE APPLIED?

