

TRASPIR HOUSE 135



HIGHLY BREATHABLE MEMBRANE

- The high breathability of this membrane promotes the drying of any infiltrations, protecting the structure
- It optimizes the wind tightness of the structure, protecting it from the entry of hot air in summer and cold air in winter
- A layer that ensures the thermal effectiveness of the insulation, protects the envelope and improves the materials durability



Data sheet
available online



CODE	tape	H [m]	L [m]	A [m ²]	
TRASPH135	-	1,5	50	75	28

COMPOSITION

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



TECHNICAL DATA

properties	standard	value
mass per unit area	EN 1849-2	135 g/m ²
thickness	EN 1849-2	0,6 mm
water vapour transmission (Sd)	EN 1931	0,02 m
tensile strength MD/CD	EN 12311-1	280/190 N/50 mm
elongation MD/CD	EN 12311-1	70/110 %
resistance to nail tearing MD/CD	EN 12310-1	135/170 N
watertightness	EN 1928	class W1
after ageing:		
- watertightness	EN 1297/EN 1928	class W1
- tensile strength MD/CD	EN 1297/EN 12311-1	250/160 N/50 mm
- elongation	EN 1297/EN 12311-1	50/50 %
reaction to fire	EN 13501-1	class E
resistance to penetration of air	EN 12114	< 0,05 m ³ /(m ² h50Pa)
flexibility at low temperatures	EN 1109	-40 °C
resistance to temperature	-	-40/80 °C
UV stability ⁽¹⁾	EN 13859-1/2	336h (3 months)
thermal conductivity (λ)	-	0,3 W/(m·K)
specific heat	-	1800 J/(kg·K)
density	-	approx. 225 kg/m ³
water vapour resistance factor (μ)	-	approx. 33
VOC	-	not relevant
water column	ISO 811	> 250 cm

⁽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.

Waste classification (2014/955/EU): 17 02 03.

USA and CA Properties	standard	value
water vapour transmission (dry cup) ⁽²⁾	ASTM E96/E96M	125 US Perm 7115 ng/(s·m ² ·Pa)
surface burning characteristics	ASTM E84	class 1 or class A
flame spread index (FSI)	ASTM E84	20
smoke developed Index (SDI)	ASTM E84	90

⁽²⁾TRASPIR HOUSE 135 belongs to the same product family as TRASPIR 150, making the results applicable to this product also.