



# TRASPIR NET 160

## HIGHLY BREATHABLE MEMBRANE

### COMPOSITION

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



### TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-2	160 g/m <sup>2</sup>	0.52 oz/ft <sup>2</sup>
Thickness	EN 1849-2	0,7 mm	28 mil
Water vapour transmission (Sd)	EN 1931	0,02 m	175 US Perm
Tensile strength MD/CD	EN 12311-1	420/420 N/50 mm	48/48 lbf/in
Elongation MD/CD	EN 12311-1	25/20 %	-
Resistance to nail tearing MD/CD	EN 12310-1	390/360 N	88/81 lbf
Watertightness	EN 1928	class W1	-
After ageing:			
- watertightness	EN 1297/EN 1928	class W1	-
- tensile strength MD/CD	EN 1297/EN 12311-1	385/390 N/50 mm	44/45 lbf/in
- elongation	EN 1297/EN 12311-1	20/15 %	-
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,02 m <sup>3</sup> /(m <sup>2</sup> h50Pa)	< 0.001 cfm/ft <sup>2</sup> at 50Pa
Flexibility at low temperatures	EN 1109	-20 °C	-4 °F
Resistance to temperature	-	-40/80 °C	-40/176 °F
UV stability <sup>(1)</sup>	EN 13859-1/2	336h (3 months)	-
Thermal conductivity (λ)	-	0,04 W/(m·K)	0.02 BTU/h·ft·°F
Specific heat	-	1568 J/(kg·K)	-
Density	-	approx. 230 kg/m <sup>3</sup>	approx. 14 lbf/ft <sup>3</sup>
Water vapour resistance factor (μ)	-	approx. 29	approx. 0.1 MNs/g
VOC	-	not relevant	-
Water column	ISO 811	> 500 cm	> 197 in
Driving rain test	TU Berlin	passed	-

<sup>(1)</sup>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 3 weeks.

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

AUS and NZ Properties	standard	value
Vapour classification	ASTM E96	class 4
Water vapour permeability	AS/NZS 4200.1	1,471 μg/N s
Resistance to water penetration	AS/NZ 4201.4	water barrier
Flammability index	AS 1530.2	<5 <sup>(2)</sup>
Duty classification	AS/NZS 4200.1	medium
Tensile strength MD/CD	AS 1301.448s	9,5/8,0 kN/m
Edge tearing resistance MD/CD	AS/NZS 4200.0	496/434 N
Burst strength	AS 2001.2.19/AS/NZS 4200.1	566 N

<sup>(2)</sup>This product is suitable for use in BAL regions 12.5 to 40 in accordance with AS 3959. Wherever non-combustible material is required by the NCC it should be noted that this product is less than 1mm thick and has a flammability index of less than 5.

### CODES AND DIMENSIONS

CODE	description	tape	H	L	A	H	L	A	
			[m]	[m]	[m <sup>2</sup> ]	[ft]	[ft]	[ft <sup>2</sup> ]	
T160	TRASPIR NET 160	-	1,5	50	75	5	164	807	25
TTT160	TRASPIR NET 160 TT	TT	1,5	50	75	5	164	807	25