

TRASPIR 115 FR

HIGHLY BREATHABLE MEMBRANE
FLAMMABILITY INDEX 1



INSTALLATION

It can be used on closed-joint facades and it also acts as temporary protective layer during construction work.

COMPOSITION

top layer

non-woven PP fabric with flame retardants

middle layer

PP breathable film

bottom layer

non-woven PP fabric with flame retardants



TECHNICAL DATA

EU Properties	standard	value	USC conversion
Mass per unit area	EN 1849-2	115 g/m ²	0,38 oz/ft ²
Thickness	EN 1849-2	0,3 mm	12 mil
Water vapour transmission (Sd)	EN 1931	0,05 m	64 PERM
Tensile strength MD/CD	EN 12311-1	245 / 125 N/50mm	28 / 14 lbf/in
Elongation MD/CD	EN 12311-1	52 / 57 %	-
Resistance to nail tearing MD/CD	EN 12310-1	170 / 190 N	38 / 43 lbf
Watertightness	EN 1928	class W1	-
After ageing:			
- watertightness	EN 1297 / EN 1928	class W1	-
- maximum tensile force MD/CD	EN 1297 / EN 12311-1	235 / 115 N/50mm	27 / 13 lbf/in
- elongation	EN 1297 / EN 12311-1	40 / 43 %	-
Temperature resistance	-	-40 / 80 °C	-40 / 176 °F
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,02 m ³ /(m ² h50Pa)	< 0,001 cfm/ft ² at 50Pa
Thermal conductivity (λ)	-	0,3 W/(m·K)	2.08 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 380 kg/m ³	approx. 24 lb/ft ³
VOC content	-	not relevant	-
UV stability ⁽¹⁾	EN 13859-1/2	336h (3 months)	-
Water column	ISO 811	> 250 cm	> 98 in
Flexibility at low temperatures	EN 1109	-40 °C	-40 °F

⁽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.

AUS and NZ Properties	standard	value
Vapour classification	ASTM E96	Class 4
Vapour permeance	AS/NZS 4200.1	2,322 µg/N s
Resistance to water penetration	AS/NZ 4201.4	Water barrier
Flamability index	AS 1530.2	1
Duty classification	AS/NZS 4200.1	Light wall
Tensile strength MD/CD	AS 1301.448s	4,8/3,5 kN/m
Edge tearing resistance MD/CD	AS/NZS 4200.0	235/174 N
Burst strenght	AS 2001.2.19 / AS/NZS 4200.1	299 N
Shrinkage	AS/NZS 4201.3	<0.5%
Emittance front/back	AS/NZS 4201.5	Non reflective
Electrical conductivity	AS 3100 / AS/NZS 4200.1	Non conductive

⁽²⁾ 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 ²]	[ft]	[ft]	[ft ²]	
T115F	TRASPIR 115 with fire retardant 1,5 m	-	1,5	50	75	5	164	807	36