

TRASPIR ALU 120

HIGHLY BREATHABLE MEMBRANE

CE
EN 13859-1/2

USA
IRC
vp

AUS
AS/NZS
4200.1
Class 4

F
DTU 31.2
E450 Jf C1

3,0 m



COMPOSITION

top layer
aluminium film

bottom layer
PP breathable film

TECHNICAL DATA

Properties	standard	value	value
Mass per unit area	EN 1849-2	120 g/m ²	0.39 oz/ft ²
Thickness	EN 1849-2	0,6 mm	24 mil
Water vapour transmission (Sd)	EN 1931	0,1 m	34.965 US perm
Maximum tensile force MD/CD	EN 12311-1	239 / 204 N/50mm	27 / 23 lb/in
Elongation MD/CD	EN 12311-1	94 / 126 %	-
Resistance to nail tearing MD/CD	EN 12310-1	187 / 232 N	42 / 52 lbf
Watertightness	EN 1928	class W2	-
Temperature resistance	-	-20 / 80 °C	-4 / 176 °F
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,05 m ³ /(m ² h50Pa)	< 0.003 cfm/ft ² at 50Pa
Thermal conductivity (λ)	-	0,3 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 200 kg/m ³	approx. 0.11 oz/in ³
Water vapour resistance factor (μ)	-	approx. 166	approx. 0,5 MNs/g
VOC content	-	0 %	-
Reflectivity	EN 15976	81 %	-
Equivalent thermal resistance with 50 mm air gap (ε _{other surface} 0.025-0.88)	ISO 6946	R _{g,0.025} : 0,804 (m ² K)/W R _{g,0.88} : 0,502 (m ² K)/W	4.57 h·ft ² ·°F/BTU 2.85 h·ft ² ·°F/BTU
UV stability ⁽¹⁾	EN 13859-1/2	3 months	-
Exposure to weather ⁽¹⁾	-	2 weeks	-
After ageing:			
- watertightness	EN 1297 / EN 1928	class W2	-
- maximum tensile force MD/CD	EN 1297 / EN 12311-1	167 / 155 N/50mm	19 / 18 lb/in
- elongation	EN 1297 / EN 12311-1	56 / 75 %	-
Flexibility at low temperatures	EN 1109	-40 °C	-40 °F

⁽¹⁾ For the correlation between laboratory tests and actual conditions, see page 199.

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
TALU120	TRASPIR ALU 120	-	1,5	50	75	5	164	807	26
TALU12030	TRASPIR ALU 120 3,0 m	-	3	100	300	10	328	3230	12