

TRASPIR ALU 120

HIGHLY BREATHABLE MEMBRANE



COMPOSITION

- ① top layer: aluminium film
- ② bottom layer: PP breathable film



TECHNICAL DATA

Properties	standard	value	USC units
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	0,08 m	44 US Perm
Tensile strength MD/CD	EN 12311-1	240/210 N/50 mm	27/24 lbf/in
Elongation MD/CD	EN 12311-1	45/10 %	-
Resistance to nail tearing MD/CD	EN 12310-1	110/110 N	25/25 lbf
Watertightness	EN 1928	class W2	-
After ageing:			
- watertightness	EN 1297/EN 1928	class W2	-
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
Flexibility at low temperatures	EN 1109	-40 °C	-40 °F
Resistance to temperature	-	-20/80 °C	-4/176 °F
UV stability ⁽¹⁾	EN 13859-1/2	336h (3 months)	-
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. 12 lbm/ft ³
Water vapour resistance factor (μ)	-	approx. 133	approx. 0.4 MNs/g
VOC	-	not relevant	-
Reflectivity TALU120	EN 15976	81 %	-
Equivalent thermal resistance with 50 mm air gap (ε _{other surface} 0.025-0.88) TALU120	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
Reflectivity TALU120270	EN 15976	95 %	-
Equivalent thermal resistance with 50 mm air gap (ε _{other surface} 0.025-0.88) TALU120270	ISO 6946	R _{g,0,025} : 0,821 (m ² K)/W R _{g,0,88} : 0,731 (m ² K)/W	4.66 h·ft ² ·°F/BTU 4.15 h·ft ² ·°F/BTU

⁽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 09 04.

CODES AND DIMENSIONS

CODE	description	tape	H	L	A	H	L	A	
			[m]	[m]	[m ²]	[ft]	[ft]	[ft ²]	
TALU120	TRASPIR ALU 120	-	1,5	50	75	5	164	807	26
TALU12027	TRASPIR ALU 120 2,7 m	-	2,7	100	270	8.86	328	2906	20
TALU12030(*)	TRASPIR ALU 120 3,0 m	-	3,0	100	300	9.84	328	3229	12

(*)Product available on request.