

BARRIER ALU FIRE A2 SD2500 140 g/m²



REFLECTIVE AIR VAPOUR BARRIER FIRE
REACTION CLASS A2-s1,d0

NON-COMBUSTIBLE A2-s1,d0

Product tested according to EN 13501-1 and classified as non-combustible material.

ENERGY EFFICIENCY

The reflectivity of the membrane improves the energy performance of the construction panels: reflecting heat inwards up to 95% it increases thermal resistance.

SAFETY

As it is non-combustible, it can also be used in combination with photovoltaic systems or at electrical voltage points.



SUPER
BARRIER



REFLECTIVE
95%

COMPOSITION

- 1 top layer: aluminium film
- 2 bottom layer: glass fibre fabric



CODES AND DIMENSIONS

CODE	description	mass per unit area [g/m ²]	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
BARALUFIR2500	BARRIER ALU FIRE A2 SD2500	140	-	1,2	50	60	4	164	646	32



RELIABLE

Thanks to the special aluminium film, it is extremely UV-stable, ageing-resistant and non-combustible, offering protection even on the construction site.

MECHANICAL STRENGTH AND STABILITY

The combination of aluminium cladding and glass fibre reinforcement ensures high mechanical performance that remains unchanged over time.

TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-2	140 g/m ²	0.46 oz/ft ²
Thickness	EN 1849-2	0,1 mm	4 mil
Water vapour transmission (Sd) ⁽¹⁾	EN 1931/EN ISO 12572	2500 m	0.001 US Perm
Tensile strength MD/CD	EN 12311-2	> 960/950 N/50 mm	110/108 lbf/in
Elongation MD/CD	EN 12311-2	6/6 %	-
Resistance to nail tearing MD/CD	EN 12310-1	> 150/150 N	34/34 lbf
Watertightness	EN 1928	compliant	-
Water vapour resistance:			
- after artificial ageing	EN 1296/EN 1931	compliant	-
- in the presence of alkalis	EN 1847/EN 12311-2	npd	-
Reaction to fire	EN 13501-1	class A2-s1,d0	-
Resistance to penetration of air	EN 12114	< 0,02 m ³ /(m ² h50Pa)	< 0.001 cfm/ft ² at 50Pa
Resistance to temperature	-	-40/180 °C	-40/356 °F
Indirect exposure to UV rays	-	2 weeks	-
Thermal conductivity (λ)	-	0,0001 W/(m·K)	0 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 1400 kg/m ³	approx. 87 lbm/ft ³
Water vapour resistance factor (μ)	-	approx. 25000000	approx. 12500 MNs/g
VOC	-	not relevant	-
Reflectivity	EN 15976	95 %	-
Equivalent thermal resistance with 50 mm air gap (ε _{other surface} 0,025-0,88)	ISO 6946	R _{g,0,025} : 0,821 (m ² K)/W	4.66 h·ft ² ·°F/BTU
		R _{g,0,88} : 0,731 (m ² K)/W	4.15 h·ft ² ·°F/BTU

⁽¹⁾Total barrier with a minimum guaranteed value exceeding 1500 m, according to ZVDH classification (Germany).

Waste classification (2014/955/EU): 17 09 04.

FIRE PROTECTION



FIRE SEALING
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FIRE FOAM
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FIRE STRIPE GRAPHITE
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FRONT BAND UV 210
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COMPLETE BARRIER

Maximum resistance to the passage of water vapour. Thanks to its ability to reflect up to 95% of heat, it improves the thermal performance of the construction panels.