

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

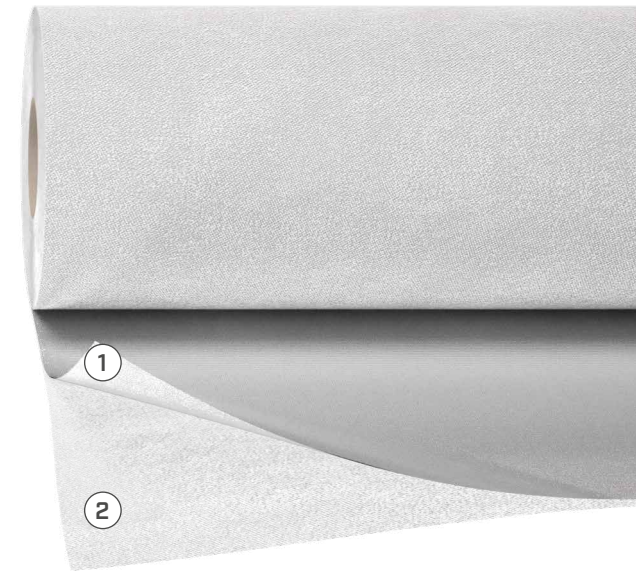
As it is non-combustible, it can also be used in combination with photovoltaic systems or at electrical voltage points.



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 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⁾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.