Surebreathe A1 Breather Membrane



Technical Data Sheet

PRODUCT

Breather Membrane and associated tapes.

Glass fibre fabric FR Breather Membrane, vapour permeable and watertight, used on the exterior side of lightweight steel framed systems.

FEATURES and BENEFITS

- Class A1 in accordance with EN 13501-1
- Water resistant to Class W2 in accordance with EN 13859-2
- UV resistant up to 3 months
- Easy to cut and install Surebreathe is specifically approved for use with Euroform cement based sheathing boards

| Membrane | 1.5 x 50m roll on cardboard core (75m²) |
|-------------------|---|
| Joint Tape | 75mm x 25m roll on cardboard core |
| Double Sided Tape | 50mm x 50m roll on cardboard core |



Breather Membrane and associated tape

TECHNICAL INFORMATION

| Grammage | EN 1849-2 | Nominal 210 g/m ² |
|---------------------------------|------------|--|
| Thickness | EN 1849-2 | Nominal 0.18mm |
| Fire classification | EN 13501-1 | Class A1, mechanically fixed direct to any substrate with a minimum fire classification of A2-s1, d0, a minimum thickness ≥ 9mm and a density ≥ 525kg/m³. Including horizontal and vertical overlaps sealed with Surebreathe tape. Class A2-s1, d0, mechanically fixed direct to any insulation with a minimum fire classification of A2-s1, d0, a minimum thickness ≥ 20mm and a density ≥ 37.5kg/m³. Including horizontal and vertical overlaps sealed with Surebreathe tape. |
| Resistance to water penetration | EN 13111 | Class W2 |
| Tear resistance | EN 12310-1 | Longitudinal: > 250 N |
| | | Transverse: > 320 N |
| Water vapour resistance | EN 12572 | < 0.60 MNs/g |
| Water vapour transmission | EN 12572 | Sd < 0.12m |
| Air permeability | EN 12114 | 27m³ / m².h@50Pa |
| UV resistance | EN 1269/97 | 3 months prior to cladding |
| Application temperature | - | +5°C to +30°C |
| Tensile strength | EN 12311-1 | Longitudinal: > 1,500 N/50mm Transverse: > 1,000 N/50mm > 75% (after ageing) |
| Elongation | EN 12311-1 | Longitudinal: < 6% Transverse: < 5% |
| Service temperature | - | -36°C to +150°C |
| Storage | - | Store in shaded dry condition between +10°C and 25°C away from direct exposure to weather. Avoid stacking pallets. |
| Shelf life | - | 24 months when stored as recommended in original unopened pacaging. |
| Material | - | Glass fibre fabric |





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