

Technical Datasheet

CertiShield Class A2 Breather Membrane



PRODUCT DESCRIPTION

CertiShield Class A2 Breather Membrane is a non-combustible, fire resistant membrane that achieves Class A2 (EN13501-1). Vapour permeable and suitable for use as a lining within ventilated façade systems, including applications above 18 metres.

CertiShield Class A2 Breather Membrane is a strong, breathable woven glass substrate aluminised on one side, suitable for jointing with foil tape. It is manufactured in the UK by TBA FIREFLY

TECHNICAL DATA

FEATURES

- ✓ Weatherproof and breathable, **CertiShield Class A2 Breather Membrane** is designed to be a vapour permeable, reflective insulation layer in commercial facades and rain screen cladding systems
- ✓ Classified A2 (EN13501-1), suitable for use over 18m – combining non-combustible fire resistance with traditional construction membrane performance requirements
- ✓ Ideal for upgrading fire performance both on remedial work and new installations of cladding and rain screen systems
- ✓ Outstanding strength and durability both before and after age testing, demonstrating sustainable performance attributes when weathered
- ✓ Lightweight, flexible, simple to install and resistant to damage during installation at temperatures as low as -40°C

Product Specification

Description	Aluminised woven glass/aluminium breathable membrane	
Reaction to fire	EN 13501-1:2018	A2, S1 d0 Non-combustible, no significant contribution to fire at any stage of the fire
Flame Propagation	BS476 Part 6 & 7	Class 0
Resistance to water penetration	EN 13111	Pass – W3 (pre-ageing) Pass – W3 (post-ageing)
Water Vapour Diffusion	EN ISO 12572 Sdc (m)	0.02m silver face, 0.03m reverse
Tensile Strength	EN 12311-1 (modified by EN 13859-1, EN 13859-2)	MD >2200 N/50mm (pre-ageing) MD >2200 N/50mm (post ageing) CD >1800 N/50mm (pre-ageing) CD >1800 N/50mm (post ageing)
Elongation	EN 12311-1 (modified by EN 13859-1, EN 13859-2)	MD 4% (pre-ageing) MD 4% (post-ageing) CD 4% (pre-ageing) CD 3% (post ageing)
Tearing resistance	EN 12310-1 (modified by EN 13859-1, EN 13859-2)	>200N
Dimensional Stability	EN 1107-2 (% change)	MD 0.01%, CD 0.0%
Flexibility at low temperature	EN 1109	No cracking at -40°C
Dimensions and packaging	Width: 125cm Thickness: 0.2mm Roll Length: 50m Roll Area: 62.5m ² Weight: 225g/m ² , 14kg per roll nominal	