



MEMBRANE WP

A2 Class non-combustible, vapour permeable, breathable membrane

DESCRIPTION

FIREFLY™ Membrane WP 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.

CONSTRUCTION

FIREFLY™ Membrane WP is a strong, breathable woven glass substrate aluminised on one side, suitable for jointing with foil tape.

KEY BENEFITS

- Weatherproof and breathable, **FIREFLY™ Membrane WP** 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
- Jointed by foil tape

TITLE	FIREFLY™ Membrane WP		
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 S _{dc} (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) CD >1800 N/50mm (pre-ageing)	MD >2200 N/50mm (post-ageing) CD >1800 N/50mm (post-ageing)
ELONGATION	EN 12311-1 (modified by EN 13859-1, EN 13859-2)	MD 4% (pre-ageing) CD 4% (pre-ageing)	MD 4% (post-ageing) CD 3% (post-ageing)
TEARING RESISTANCE (NAIL SHANK)	EN 12310-1 (modified by EN 13859-1, EN 13859-2)	>200 N	
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		

FURTHER INFORMATION - Installation instructions, Drawings, Specifications, Certificates and Associated Products can all be found on www.TBAFirefly.com

08/21-1

All **FIREFLY™** cavity barrier products must be installed in compliance with the **FIREFLY™** Installation Guide, which is provided upon request. Deviation from these drawings should not be carried out without written authority from the **FIREFLY™** Technical Department.

All figures quoted are nominal, believed to be true at the time of printing and are presented without guarantee. It is up to the user to determine the suitability of use.

T: +44 (0) 1706 758817

E: sales@tbafirefly.com

E: technical@tbafirefly.com

W: tbafirefly.com

