

Technical Information

Breather membrane for timber and steel frame walls

Frameshield® is a high performance air permeable breather membrane for use in timber & steel frame constructions. It is flexible & lightweight allowing for easy installation, and offers temporary protection for timber & steel frames against wind driven rain, snow & dust.

Frameshield® conforms to the Construction Products Regulation (EU Regulation No. 305/2011), Underlay for walls (Annex ZA of EN 13859-2) and is manufactured under control of an ISO 9001 quality management system.

TEST	METHOD	Frameshield®	
Product Code		FUV 100	
Mass Per Unit Area (g/m ²)	EN 1849-2	100 (+/- 6)	
Reaction to Fire	EN 11925-2	Class E	
Water Vapour Resistance (Sd)	EN ISO 12572	0.006 m (+/- 0.002)	
Water Penetration	EN 13111	Before ageing	Class W2
		After ageing	Class W2
Tensile Strength (N/5cm)	EN 12311-1	Before ageing	MD 240 (-80) CD 180 (-60)
		After ageing	MD 200 (-80) CD 150 (-60)
Elongation (%)	EN 12311-1	Before ageing	MD 85 (-20) CD 100 (-20)
		After ageing	MD 45 (-20) CD 60 (-20)
Tear Resistance (N)	EN 12310-1	MD 135 (-50) CD 145 (-50)	
Flexibility at low temperature	EN 1109	No cracking at minus 60°C	
Air Permeability (50Pa)	EN 12114	704 m ³ /m ² /hr	

Conditions applicable to the end use of the product

Rolls should be stored flat on a clean, level surface and kept under cover. Once the underlay is applied to the wall, the primary wall covering should be installed within three months.

Method of Installation

The membrane should be installed as detailed in the relevant national certification for this product – see certification logos/numbers below. Any guidelines concerning installation that are supplied with the product should be consulted prior to laying. For general information – unroll the breather membrane and fit directly to the timber sheathing ensuring that the lower base timbers are covered. Lap the breather membrane by 100mm horizontally, 150mm vertically and external corners by 300mm. Upper layers should overlap lower to shed water away from the sheathing.



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