

EFFISUS BREATHER FR MEMBRANE



EN 13859-2

DESCRIPTION

The Effisus Breather FR Membrane is a waterproofing and vapour permeable membrane made of a special fiberglass fleece and a water based compound, that makes it eco-friendly and completely fire reaction Class A2-s1,d0. The Effisus Breather FR Membrane guarantees optimum protection of façades with closed and open rainscreen cladding systems, cavity and masonry, leaf weatherboarding panels, tile/slate and timber frame cladding against wind, damp and driving rain.

TECHNICAL DATA

Essential characteristics	Method	Result
Thickness	EN ISO 12572	0.21 ± 0.021 mm
Length	-	93.45 m
Width	-	1.07 m
Reaction to Fire	ASTM E84	Class A (or Class 1)
	EN 13501-1:2007+A1:2013 ^{a)}	A2 - s1, d0
Resistance to water penetration	EN 1928/EN 13111	W2, pass
Density of vapour flow rate, g (kg/(m ² .s))	EN ISO 12572	8.31 x 10 ⁻⁶ ± 2.81 x 10 ⁻⁷
Water vapour transmission properties (sd-value) (m)	EN ISO 12572	0.013 ± 0.001
Tensile Strength MD/CD (N/50mm)	EN 12311-1	2015 ± 0.37 / 1725 ± 0.28
Elongation at Break MD/CD (%)	EN 12311-1	4.00 ± 0.38 / 3.00 ± 0.36
Nail tear resistance MD/CD (N)	EN 12310-1	328.06 ± 32.44 / 255.42 ± 46.44
Flexibility at low temperature (- 40 °C)	EN 1109	No cracks
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat	Elongation ^{b)} (%)	5.0 ± 0.22 / 4.00 ± 0.32
	Tensile Strength ^{b)} (N/50mm)	2800 ± 205 / 2210 ± 209
	Resistance to water penetration ^{c)}	W2, pass

^a The fire classification was obtained with Effisus accessories (double side adhesive tapes) tested as a system.

^b In accordance with Annex C of EN 13859-2 (EN 12311-1)

^c In accordance with Annex C of EN 13859-2 (EN 1928/EN 13111)

OTHERS

Effisus Breather FR achieved a fire reaction Class A2-s1,d0 standalone and tested as a system with Effisus accessories (double side adhesive tapes).

Version

V 1.12 – MC – 31/01/2020