

EFFISUS BREATHER FR - B MEMBRANE

DESCRIPTION


 EN 13859-1
 EN 13859-2

The Effisus Breather FR - B Membrane is a fire retardant waterproofing breathable membrane, made of polyester nonwoven with a waterproof special coating. Effisus Breather FR - B Membrane has exceptional UV resistance and is designed for open or closed rainscreen cladding systems, cavity and masonry, leaf weatherboarding panels, tile/slate and timber frame cladding. Suitable for facades with open joints up to 50mm and maximum up to 50% of façade area.

Protects the building against driving rain, moisture improving facade resistance to fire and preventing future corrosion and insulation deterioration. Increases the building energy efficiency.

TECHNICAL DATA

Essential characteristics		Method	Result
European Standards			
Thickness (mm)			0,6
Length (m)			50
Width (m)			1,5
Reaction to Fire		EN 13501-1	B – s1, d0
Watertightness	Watertightness	EN 1928	W1
Water Vapour Transmission	Sd – Value (m)	EN ISO 12572	0,02
	Water vapour transmission (g/m ² .h.mmHg)	EN ISO 12572	≈ 3,0
Tensile strength (MD/XD) (N/5cm)		EN 12311-1	370 / 270
Tear resistance (N)		EN 12310-1	150 / 150
Elongation at break (%)		EN 12311-1	> 10
Dimensional stability		EN 1107-2	< 0,5
Flexibility at low temperature (°C)		EN 1109	- 40
Service temperature range (°C)			- 30 to +120
Artificial Ageing (5.000h UV)	Resistance to water penetration	EN 1928 + EN 13859 - 2	W1
	Tensile Strength (N/5cm)	EN 12311-1	290 / 230
Service temperature range (°C)			- 30 to +120
American Standards^a			
Vapor permeance (PROC A/PROC B) (Perms)		ASTM E96–05	204 / 308
Water Vapor Transmission (g/m ² / 24h)		ASTM E96–05, PROC A	1415 / 2274
Water penetration resistance (cm)		CAN/CGSB-4.2 #26.3-95	103.8
Water impact penetration resistance		AATC 42-2000	No water passing
Reaction to Fire (flame spread/smoke developed)		ASTM E84-09	Class A

^a For more information about the american standards, please contact Effisus technical department.

Version

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