

TECHNICAL DATA SHEET

# EFFISIUS PROFLEX FR MEMBRANE

ELONGATION | FIRE RATED

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## EFFISIUS PROFLEX FR MEMBRANE

Effisus ProFlex FR is a multi-layered weatherproofing membrane composed by a robust double side fire retardant polymer and fire retardant ultra-elastic reinforced core.

This high-tech composite membrane was developed by an innovative bulk-forming process to efficiently control water, air, water vapour and moisture while accommodating differential movements along with fire performance.

Effisus ProFlex FR is watertight and airtight membrane that combines an exceptional 200% elongation capacity with a fire performance of Class B-s3,d0 according to BS EN 13501-1.

It was developed for sealing façade interfaces and construction joints on typical curtain walls, on rainscreen/brick ventilated facades, precast, masonry and many other applications.

## X3 SYSTEM POSSIBILITIES

### Effisus 2Bond DS Tape

**Function**

Perimeter sealing; sealing nail/screw perforations



**Substrates compatibility**

Concrete or similar porous surfaces; Aluminum; Gypsum Sheathing Board, Calcium Silicate Boards, Cement Basis or similar; EPDM; Roofing membrane; Gas membrane

**Special notes**

Thickness 1,54mm ensuring an efficient adhesion/sealant whilst accommodates building differential

### Effisus 2Bond GO Tape

**Function**

Substrate Membrane Fixing



**Substrates compatibility**

Aluminum; Glass; Wood; EPDM; Concrete or similar porous surfaces

### Effisus Bonding Sealant

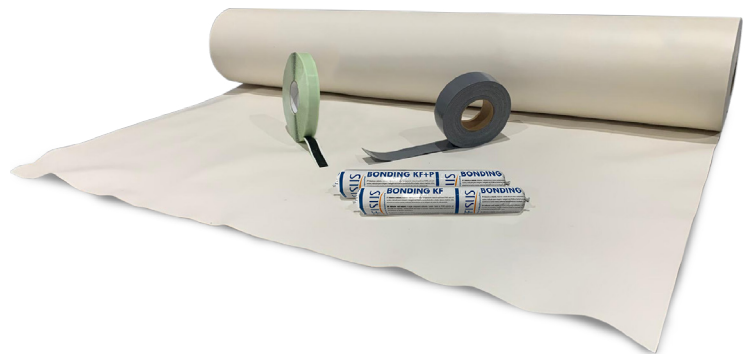
**Function**

Perimeter sealing; Fixing and sealing nail/screw perforations



**Substrates compatibility**

Concrete or similar porous surfaces; Aluminum; Gypsum Sheathing Board, Calcium Silicate Boards, Cement Basis or similar; EPDM



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## TECHNICAL DATA



### Essential characteristics

	<b>Thickness</b>		BS EN 1849-2	1,00mm
	<b>Length</b>		-	Bespoke (m)
	<b>Width</b>		-	Bespoke (mm)
	<b>Mass per unit area</b>		BS EN 1849-2	1105 g/m <sup>2</sup>
	<b>Reaction to Fire</b>	<b>System</b>	EN 13501-1	B-s3,d0 a)
		<b>Membrane</b>	EN 13501-1	B-s3,d0
	<b>Resistance to water passage (24h)</b>		BS EN 1928 Method A	W1, pass
	<b>Water vapour properties (Sd)</b>		BS EN 1931	56 ± 5m
	<b>Resistance to air passage</b>		EN 12114	0 m <sup>3</sup> /(m <sup>2</sup> xhx50 Pa)
	<b>Tensile strength</b>		BS EN 12311-1	MD: 1160 (N/50mm) CD: 630 (N/50mm)
	<b>Elongation</b>		BS EN 12311-1	MD: 79 % CD: 203 %
	<b>Tear resistance</b>		BS EN 12310-1	MD: 315.1 N CD: 363.1 N
	<b>Dimensional Stability</b>		BS EN 1107-2	<0,64 %
	<b>Artificial ageing by long term exposure to the combination of UV radiation and high temperature and heat, according to appendix C.</b>	<b>Tensile Strength</b>	BS EN 12311-1	MD: 1165 (N/50mm) <sup>b)</sup> CD: 606 (N/50mm) <sup>b)</sup>
		<b>Elongation</b>	BS EN 12311-1	MD: 74 % CD: 189 %
		<b>Resistance to water passage</b>	BS EN 1928 B	W1, pass <sup>c)</sup>

a) The fire classification was obtained with Effisus accessories 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)

#### Notes:

The product was tested under UKCA and CE on standard test BS EN 13859:2 Flexible sheets for waterproofing. Definitions and characteristics of underlays for walls.

For application below 5°C, please contact Effisus Technical Department for further Assessment.