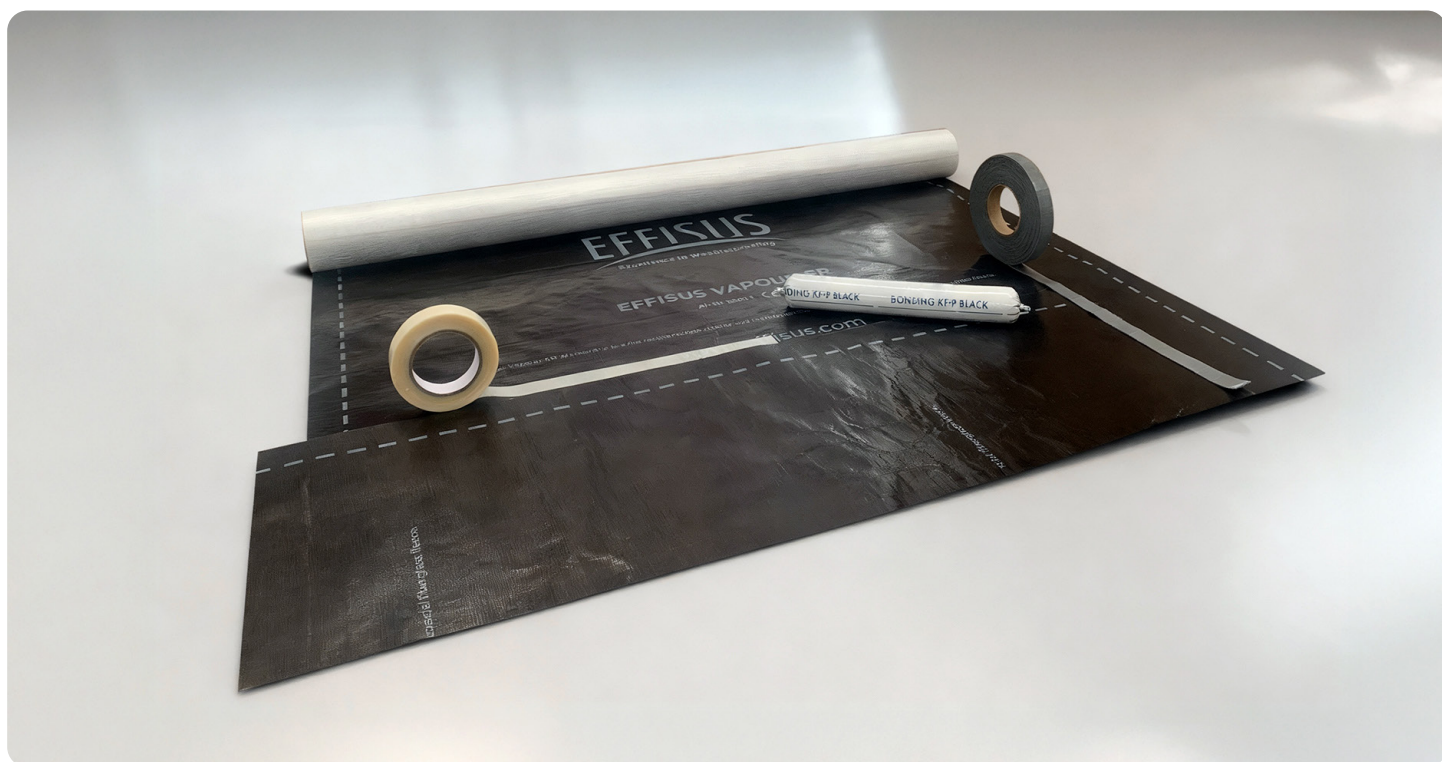


Effisus Vapour FR

**A1 CLASS FIRE RATED
WEATHERPROOFING
AVCL SOLUTION**

Effisus **Vapour FR** works as airtight vapour control layer (AVCL) protecting the building from condensation risk and improving the airtightness and consequently the energy efficiency.



ACCESSORIES · Effisus 2Bond DS · Effisus 2Adjoin DF · Effisus Bonding KF+P



Effisus Vapour FR

Technical data

Essential characteristics	Method	Result
Thickness	-	0.14 8± 0.015mm
Length	-	50lm
Width	-	1,20lm
Sd-value	EN 1931	>1500
Vapour resistance (MNs/g) ^{a)}	EN 1931	>7500
Reaction to fire	EN 13501-1	Class A1
Air Permeability (m ³ /h x m ² x 50Pa)	EN 12114	0,002
Water penetration	EN 1928	W1, passed
Tensile Strenght MD (N/50mm)	EN 12311-1	>700; max 890
Tensile Strenght CD (N/50mm)	EN 12311-1	>400; max 861
Elongation CD (%)	EN 12311-1	>3; max 5
Elongation MD (%)	EN 12311-1	>3; max 5
Tearing Resistance MD (N)	EN 12310-1	>170; max 176
Tearing Resistance CD (N)	EN 12310-1	>130; max 147
Joint Strength (N/50mm)	EN 12317-2	311
Artificial ageing by long term exposure	EN 1296 / EN 1931	Passed
Resistance to impact (mm)	EN 12691	1750 / 1250
Flexibility at low temperature	EN 1109-1	-40°C, passed
Reaction to fire System	EN 13501-1	Class A2-s1,d0

a)

Vapour resistance test result considering the vapour permeability of still air, in the UK, 0.2 gm/ MNS.

Effisus Vapour FR System achieved a fire reaction Class A2-s1,d0 as a system with Effisus accessories (double-sided adhesive tapes and paste adhesive/sealant).

Accessories selector

		EFFISUS 2ADJOIN DF (double side tape)	EFFISUS 2BOND DS (double side tape)	EFFISUS BONDING KF+P (sealant)
Membrane Fixing / Positioning	Concrete or similar porous surfaces		*	*
	Aluminium Foil (insulation)	*		*
	Gypsum Sheathing Board, Calcium Silicate Boards, Cement Basis or similar	*		*
Membrane Overlaps		*	*	*
Perimeter Sealing	Concrete or similar porous surfaces		*	*
	Aluminium		*	*
	Gypsum Sheathing Board, Calcium Silicate Boards, Cement Basis or similar		*	*
Perforations Sealing	Pipes		*	*
	Electrical cables		*	*
	Nail/screw		*	*

* Preferred Use

Effisus 2Bond DS



Double-sided self-sealing adhesive tape creating a permanent weatherproofing seal on concrete, aluminum, sheathing boards and many other substrates. Specifically designed to seal nail and screw penetrations, ensuring an effective and durable seal at these critical points.

Technical data

Essential characteristics	EFFISUS 2BOND DS
Total thickness	1.54mm
Standard roll sizes	25mm x 15,25 lm 50mm x 15.25 lm
Temperature resistance	-57°C to >+93°C
Elongation	> 500% ± 100
Resistance to water penetration (EN 1928)	W1
Application temperature	-29°C to 66°C ambient
Material	Synthetic resins, thermoplastics and non-curing rubber (non butyl)

Effisus 2AdJoin DF



Double-sided, airtight, and moisture-resistant sealing tape suitable for positioning the Effisus Vapour FR Membrane onto the substrate.

Technical data

Essential characteristics	EFFISUS 2ADJOIN DF
Standard roll size	2.5cm x 20.0 lm
Temperature resistance	-40°C to 90°C
Material	Acrylate, free of solvents and softeners

Effisus Bonding KF+P



It is a solvent free adhesive and sealant with exceptional properties of waterproofing and UV resistance. Without storage or transportation restrictions. Ideal for application on areas with ventilation constraints.

Technical data

Essential characteristics	EFFISUS BONDING KF+P
Base	PDMS polymer
Temperature resistance	-40°C to +160°C
Colour	Black
Density	12 g/cm ³
Skin formation	25min

Note:

Effisus Bonding KF+P was tested in accordance with the specifications of Indoor Air Confort GOLD – Eurofins and fulfils the LEED v4.1, EMICODE, BREEAM International – obtained an Exemplary Level.