

Effisus SealExpand 1200 FR



The **Effisus SealExpand 1200 FR** is a high-performance pre-compressed expanding foam tape designed for the durable sealing of façade and construction joints. Combining a **B-s1,d0 fire classification** with **driving rain resistance up to 1200 Pa**, it provides enhanced protection for demanding façade applications where fire performance and weather resistance are critical.

Manufactured from a flexible impregnated PUR foam, the tape expands after installation to adapt to joint irregularities and accommodate movement while maintaining long-term elasticity. Its expansion capacity creates a durable barrier against **driving rain, wind and dust**, while contributing to reliable **thermal and acoustic performance**.

The tape is **vapour diffusion permeable**, helping moisture escape from the joint while maintaining effective external weather protection. Its resistance to **UV exposure and weathering** allows the product to be used as a durable external joint sealing solution without requiring additional protection in suitable applications.

Effisus SealExpand 1200 FR is suitable for a wide range of façade and construction systems, including **cladding panels, curtain walling, prefabricated construction and perimeter joints around windows and doors**. Its pre-compressed format and self-adhesive backing facilitate fast and controlled installation across different joint dimensions.

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Technical data

Essential characteristics	Method	Result
Material description	—	Impregnated PUR flexible foam with hybrid technology
Colour	—	Black
Fire behaviour	DIN EN 13501-1	B-s1, d0
Classification according to	DIN 18542:2020	MF 1 (BG 1 / BGR)
Impermeable to driving rain	DIN EN 1027	$\geq 1,200 \text{ Pa}^*$
Humidity management	DIN EN ISO 10077-2	Drying consistency thanks to hybrid technology
U-value: window construction depth 60 mm	DIN 4108-3	$U = 0.8 \text{ W}/(\text{m}^2\cdot\text{K})$
Thermal conductivity	DIN EN 12667	$\lambda_{10,\text{tr}} \leq 0.048 \text{ W}/\text{m}\cdot\text{K}$
Sound reduction		Up to 60 dB
Compatible with adjacent building materials	DIN 18542	Requirements fulfilled
Temperature stability range	DIN 18542	-30°C to +80°C
Shelf life	—	1 year, dry and in original packing
Storage temperature	—	+1°C to +20°C

* On the conditions of the manufacturer (available upon request).

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Sizes

Standard portfolio

Effisus SealExpand 1200 FR			
Roll lenght (m)		22,5	7,5
Joint Size (mm)		3 - 14	6 - 40
Rolls per box	Roll width (mm)	Meters per Box	Meters per Box
13	30	292,5	97,5
7	55	157,5	52,5
6	65	135	45
5	70	112,5	37,5
5	80	112,5	37,5
4	95	90	30
3	105	67,5	22,5

*Alternative dimensions may be available on request and with case specific conditions



Others

APPLICATION

Designed for the sealing of window and door connection joints, providing airtightness, resistance to driving rain, thermal insulation and acoustic performance within a single pre-compressed expanding tape.

Its hybrid construction combines flexible foam with integrated barrier layers, allowing the tape to accommodate joint movement while controlling air and moisture transfer through the joint. Suitable for joint widths within the specified application range and for applications requiring the "inside tighter than outside" principle.

PRODUCT ADVANTAGES

- Multi-functional joint sealing in a single product
- Driving rain resistance : $\geq 1,200$ Pa
- Very high airtightness through integrated barrier layers
- Supports the "inside tighter than outside" building-physics principle
- High movement accommodation through flexible, expanding foam construction
- Thermal insulation with $\lambda \leq 0.048$ W/m·K
- Acoustic performance up to 60 dB
- Fire classification B-s1,d0 according to EN 13501-1*
- MF1 classification according to DIN 18542:2020
- Compatible with adjacent building materials according to DIN 18542
- Designed to support controlled moisture transport and drying
- One tape can accommodate a wide joint range, reducing the number of dimensions required

* According to the referenced test certificate.

Service

- Standard sizes available from stock;
- Private label and /or special labeling available;
- Non-standard lengths and widths available on request;
- Competent experienced technical support available in the field and by phone.

Packaging

Pre-compressed rolls with one side self adhesive (to aid installation) in cardboard box..

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