

Effisus SealExpand 600 FR

Facade joints, such as joints between cladding panels or around windows and doors, are often sealed to avoid water ingress, heat loss and promote acoustic insulation. **Effisus SealExpand 600 FR** tape is B-s1,d0 fire classified and seals against driving rain of 600Pa, a premium market offer.

Effisus SealExpand 600 FR foam tape delivers exceptional expansion capacity, adapting to irregular gap shapes and accommodating joint movements with lasting elasticity. This ensures durable watertightness along with reliable thermal and acoustic performance. Resistant to UV exposure and direct rain - equivalent to wind force 11- Violent Storm - it acts as a standalone sealing system that is quick to install, maintenance-free.

Is suitable for various construction methods, including general building, timber or steel frames, and modular projects, both new and refurbished. Moreover, Effisus SealExpand 600 FR is also used to close off the end of roofing sheets, as an alternative to profiled foam fillers.



Effisus SealExpand 600 FR

Technical data

Essential characteristics	Method	Result
Material description	-	Impregnated PUR flexible foam
Impregnant	-	Fire resistant polymeric dispersion
Colour	-	Grey, Black
Classification	DIN 18542	BG1
Air permeability coefficient	DIN EN 12114	$\alpha < 0.1 \text{ m}^3/(\text{h}\cdot\text{m}\cdot(\text{daPa})^n)$ (externally supervised by ift Rosenheim)
Impermeable to driving rain	DIN EN 1027	$\geq 600 \text{ Pa}$ (externally supervised by ift Rosenheim)
Temperature stability range	DIN 18542	-30°C to +90°C
UV light and weather stability	DIN 18542	Requirements fulfilled
Compatibility with adjacent building materials	DIN 18542	Requirements fulfilled
Dimension tolerance	DIN 7715 T5 P3	Requirements fulfilled
Fire classification	DIN EN 13501-1	B-s1,d0
Thermal conductivity	DIN EN 12667	$\lambda = 0.043 \text{ W/m}\cdot\text{K}$
Water vapour diffusion resistance	DIN EN ISO 12572	$\mu \leq 100$
Long term stability	-	15 year performance guarantee*
Vapour diffusion permeability	DIN EN ISO 12572	≤ 0.5 for 50 mm width (Sd-value)
Shelf life	-	2 years, dry and in original packing
Storage temperature	-	+1°C to +20°C

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

Sizes

Standard portfolio

		Recommended joint width - expansion range (mm)							
		1 - 2	1 - 4	2 - 6	4 - 9	5 - 12	6 - 15	9 - 20	12 - 30
Width (mm)	10	■	■	■	■				
	15	■	■	■	■	■			
	20	■	■	■	■	■	■		
	25						■	■	
	30	■	■	■	■	■	■	■	
	35								■
	40			■	■	■	■	■	■
	50								■
		Individual roll length (m)							
		13	12	8	5,6	4,3	6,6	7,5	4

Number of tape rolls per box

		Recommended joint width - expansion range (mm)							
		1 - 2	1 - 4	2 - 6	4 - 9	5 - 12	6 - 15	9 - 20	12 - 30
Width (mm)	10	30	30	30	25				
	15	20	20	20	20	20			
	20	15	15	15	15	15	15		
	25						12	12	
	30	10	10	10	10	10	10	10	
	35								8
	40			7	7	7	7	7	7
	50								6

Meters of tape per box

		Recommended joint width - expansion range (mm)							
		1 - 2	1 - 4	2 - 6	4 - 9	5 - 12	6 - 15	9 - 20	12 - 30
Width (mm)	10	390	360	240	140				
	15	260	240	160	112	86			
	20	195	180	120	84	64,5	99		
	25						79,2	90	
	30	130	120	80	56	43	66	75	
	35								32
	40			56	39,2	30,1	46,2	52,5	28
	50								24

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

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Others

Applications

A versatile product that has a wide range of uses, but generally for sealing construction joints (including moving joints) in areas such as:

- Prefabricated concrete, and other material
- Skylights
- Cladding panels
- Curtain walling and perimeter seals for windows/doors

Used in a variety of construction methods and industries including:

- General construction & civil engineering;
- Steel and/or timber framed buildings;
- Modular construction and other MMC types.

Product Advantages

- Complies with the DIN 18542 BG 1
- Reliability through a wider joint application range;
- Seals against wind, dust and driving rain;
- Vapour diffusion permeable;
- Good adhesive properties, to aid application;
- Permanently elastic with long term life expectancy;
- Can be painted over with standard emulsion paints;
- Compatible with all known standard building types;
- Constant quality to DIN standards, with regular controls from independent institutions;
- Externally supervised by ift Rosenheim: for driving rain and air permeability (a-value);
- Complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide".

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 cartons.