

Effisus SealExpand Braze

Effisus **SealExpand Braze** Tape is a PUR-sealing tape impregnated with a fire resistant polymeric dispersion. It is specially designed for joints in buildings and façades up to 100m high.

Effisus SealExpand Braze Tape fulfils the stringent requirements of the DIN 18542, 2020 edition. In addition to providing protection against driving rain to a minimum of 600 Pa (equivalent to wind force 11– Violent Storm) the vapor permeable joint sealing tape also possesses outstanding thermal and acoustic characteristics, as well as allowing for diurnal movement.



Effisus SealExpand Braze

Technical data

Essential characteristics	Method	Result
Material description	-	Impregnated PUR flexible foam
Impregnant	-	Fire resistant polymeric dispersion
Colour	-	Grey, Black
Classification, according to	DIN 18542	BG 1, BG 2 and BGR
Air permeability coefficient	DIN EN 12114	$\alpha < 0.1 \text{ m}^3 / (\text{h.m.}(\text{daPa}) \cdot \text{m})$ ift externally supervised
Impermeable to driving rain, single joint	DIN EN 1027	$\geq 600 \text{ Pa}$ externally supervised by ift Rosenheim
Impermeable to driving rain, joint intersection	DIN EN 1027	$\geq 600 \text{ Pa}$
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
Building material class	DIN 4102-1	B1 (fire resistant)
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	-	10 year performance guarantee*
Sd - value	DIN EN ISO 12572	≤ 0.5 for 50mm width (vapour diffusion permeability)
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).

Others

Dimension joint depth x width (mm)	Recommended joint width*	(metres) carton
8 / 1 - 2	1-2 mm	740,0
10 / 1 - 2		600,0
15 / 1 - 2		400,0
20 / 1 - 2		300,0
10 / 1 - 4	1-4 mm	390,0
15 / 1 - 4		260,0
20 / 1 - 4		195,0
30 / 1 - 4		130,0
12 / 2 - 6	2-6 mm	360,0
15 / 2 - 6		240,0
20 / 2 - 6		180,0
30 / 2 - 6		120,0
15 / 4 - 9	4-9 mm	160,0
20 / 4 - 9		120,0
30 / 4 - 9		80,0
40 / 4 - 9		56,0
15 / 5 - 12	5-12 mm	112,0
20 / 5 - 12		84,0
30 / 5 - 12		56,0
40 / 5 - 12		39,2
15 / 6 - 15	6-15 mm	86,0
20 / 6 - 15		64,5
30 / 6 - 15		43,0
40 / 6 - 15		30,1
20 / 9 - 20	9-20 mm	99,0
25 / 9 - 20		79,2
30 / 9 - 20		66,0
40 / 9 - 20		46,2
25 / 11-25	11-25 mm	62,4
30 / 11-25		52,0
40 / 11-25		36,4
35 / 18-34	18-34 mm	26,4
40 / 18-34		23,1
40 / 24-42	11-25 mm	18,2
50 / 24-42		15,6

*Alternative dimensions available on request

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

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, BG 2 and BGR;
- 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.