

EFFISUS SEALEXPAND BRAZE TAPE

DESCRIPTION

Effisus SealExpand Braze Tape is a PUR-sealing tape impregnated with a fire resistant polymeric dispersion. It is specially designed for joints in buildings up to 100m high, in accordance with DIN 18055.

Effisus SealExpand Braze Tape fulfils the stringent requirements of the DIN 18542 edition 2009. 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.

TECHNICAL DATA

Technical data	Standard	Classification
Material description		Impregnated PUR flexible foam
Impregnant		Fire resistant polymeric dispersion
Colour		Grey, Black
Classification, according to	DIN 18542	BG 1
Air permeability coefficient	DIN EN 1026	$a \leq 0.1 \text{ m}^3 / (\text{h.m.}(\text{daPa})^n)$ 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	B1 (fire resistant) P-261 30843-ift
Thermal conductivity	DIN EN 12667	$\lambda = 0.052 \text{ W/m} \cdot \text{K}$
Water vapour diffusion resistance	DIN EN ISO 12572	10 year performance guarantee*
Long term stability		$\mu \leq 100$
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	Recommended joint width*	(metres) carton
8 / 1 - 2	1-2 mm	740,0
10 / 1 - 2		600,0
15 / 1 - 2		400,0
10 / 1 - 4	1-4 mm	390,0
15 / 1 - 4		260,0
20 / 1 - 4		195,0
15 / 2 - 6	2-6 mm	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
15 / 5 - 12	5-12 mm	112,0
20 / 5 - 12		84,0
30 / 5 - 12		56,0
15 / 6 - 15	6-15 mm	86,0
20 / 6 - 15		64,5
30 / 6 - 15		43,0
20 / 9 - 20	9-20 mm	49,5
25 / 9 - 20		39,6
30 / 9 - 20		33,0
25 / 11-25	11-25 mm	31,2
30 / 11-25		26,0
35 / 18-34	18-34 mm	26,4
40 / 18-34		23,1
40 / 24-42	24-42 mm	18,2
50 / 24-42		15,6

Alternative dimensions available on request

* Movement in structural elements and temporary longitude changes are to be taken into account by the max. joint width.

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,
- elements (including civil engineering),
- skylights.
- cladding panels.
- curtain walling.

Used in a variety of construction methods and industries including:

- general construction & civil engineering,
- steel and/ timber framed buildings,
- modular construction and other MMC types.

Product advantages

Complies with DIN 18542 BG 1 e DIN 18055.

Reliability through a wider joint application range.

Seals against wind, dust, driving rain.

Vapour diffusion permeable.

Good adhesive properties, to aid application.

Permanently elastic with long term life expectancy.

Thermal and acoustic insulation.

Can be painted over with standard emulsion paints.

Compatible with all known standard building materials.

Applications in all construction areas and building types are possible.

CE-certified (ETA-07/0072).

Constant quality to DIN EN ISO 9001 & DIN standards, with regular controls from independent institutions.

Extremely supervised by ift Rosenheim: for driving rain and air permeability (a-value).

10 year performance guarantee*

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.

To obtain the latest version of this document, please contact Up-Way Systems.

The details and information given in this literature are based on best current knowledge. They are intended to serve as general information only and it is advised that the user conducts their own tests for their specific set of conditions to determine the suitability of the product for its proposed use. No warranty or liability is given or implied regarding any part of these instructions or details, or the completeness of the information. We reserve the right to modify, or change, the specifications and information without advance notification. All goods are supplied subject to our standard conditions of sales, copies of which are available upon request.

Version

V 1.2 – AT – 15/09/2011