

Advanced Acoustics Expanding Foam Tape

Advanced Acoustics Expanding Foam Tape is a PUR sealing tape impregnated with a fire resistant polymeric dispersion. It is specially designed for joints in buildings up to 100 m high, in accordance with DIN 18055. Our Expanding Foam 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 vapour permeable joint sealing tape also possesses outstanding thermal and acoustic characteristics, as well as allowing for diurnal movement.

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), perimeter seals for fenestration (windows/doors), skylights, cladding panels and curtain walling.

Product Advantages

- Complies with the DIN 18542 BG 1 and 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
- Externally supervised by ift Rosenheim: f or driving rain and air permeability (a-value)
- 10 year performance guarantee*
- Non standard lengths and widths available on request

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Technical Data	Standard	Classification
Material description		impregnated PUR flexible foam
Impregnant		fire resistant polymeric dispersion
Colour		Black
Classification, according to	DIN 18542	BG1 and BGR
Air permeability coefficient	DIN EN 12114	$a < 1,0 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})^n]$
ift externally supervised	XXX	XXX
Impermeable to driving rain, single joint	DIN EN 1027	> 600 Pa externally supervised by ift Rosenheim
Impermeable to driving rain, joint intersection	DIN EN 1027	> 600 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)
Thermal conductivity	DIN EN 12667	$\lambda = 0,043 \text{ W/m} \cdot \text{K}$
Water vapour diffusion resistance	DIN EN ISO 12572	$\mu < 100$
Long term stability		10 year performance guarantee*
sd-value (vapour diffusion permeability)	DIN EN ISO 12572	< 0,5 m for 50 mm width
Shelf life		2 years, dry and in original packing
Storage temperature		+1 °C to +20 °C

Dimension joint depth x width	Recommended joint width*
8/1-2 10/1-2 15/1-2	1-2mm
10/1-4 15/1-4 20/1-4	1-4mm
15/2-6 20/2-6 30/2-6	2-6mm
15/4-9 20/4-9 30/4-9	4-9mm
15/5-12 20/5-12 30/5-12	5-12mm
15/6-15 20/6-15 20/6-15	6-15mm
20/9-20 25/9-20 30/9-20	9-20mm
25/11-25 30/11-25	11-25mm
35/18-34 40/18-34	18-34mm
40/24-42 50/24-42	24-42mm



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

Alternative dimensions available on request

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

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