



EXP 6 Expanding Foam Tape

EXP6 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.

EXP6 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: for driving rain and air permeability (a-value)
- ✓ 10 year performance guarantee*

Tape width / area of application	Recommended joint width**			Meters per Roll
	BG 1	BG 2	BG R	
8 / 1 – 2 mm 10 / 1 – 2 mm 15 / 1 – 2 mm 20 / 1 – 2 mm	1 – 2 mm	1 – 4 mm	checked ✓	20,0
10 / 1 – 4 mm 15 / 1 – 4 mm 20 / 1 – 4 mm 30 / 1 – 4 mm	1 – 4 mm	1 – 5 mm	checked ✓	13,0
12 / 2 – 6 mm 15 / 2 – 6 mm 20 / 2 – 6 mm 30 / 2 – 6 mm	2 – 6 mm	2 – 8 mm	checked ✓	12,0
15 / 4 – 9 mm 20 / 4 – 9 mm 30 / 4 – 9 mm 40 / 4 – 9 mm	4 – 9 mm	4 – 11 mm	checked ✓	8,0
15 / 5 – 12 mm 20 / 5 – 12 mm 30 / 5 – 12 mm 40 / 5 – 12 mm	5 – 12 mm	5 – 15 mm	checked ✓	5,6
15 / 6 – 15 mm 20 / 6 – 15 mm 30 / 6 – 15 mm 40 / 6 – 15 mm	6 – 15 mm	6 – 19 mm	checked ✓	4,3
20 / 9 – 20 mm 25 / 9 – 20 mm 30 / 9 – 20 mm 40 / 9 – 20 mm	9 – 20 mm	9 – 25 mm	checked ✓	6,6
25 / 11 – 25 mm 30 / 11 – 25 mm 40 / 11 – 25 mm	11 – 25 mm	–	checked ✓	5,2
35 / 18 – 34 mm 40 / 18 – 34 mm	18 – 34 mm	–	–	3,3
40 / 24 – 42 mm 50 / 24 – 42 mm	24 – 42 mm	–	–	2,6

Technical data	Standard	Classification according to DIN 18542		
		BG 1	BG 2	BG 3
Material description		impregnated PUR flexible foam		
Basis		fire resistant polymeric dispersion		
Colour		grey, black	grey, black	grey, black
Airtightness External application ift externally supervised	DIN EN 12114	$a \leq 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$	$a \leq 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$	-
Airtightness Internal application ift externally supervised	DIN EN 12114	-	-	$a \leq 1.0 \text{ m}^3 / [\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$
Impermeable to driving rain, single joint, ift externally supervised	DIN EN 1027	$\geq 600 \text{ Pa}$	$\geq 300 \text{ Pa}$ for BG 2 joint width	$\geq 600 \text{ Pa}$
Impermeable to driving rain, joint intersection	DIN EN 1027	$\geq 600 \text{ Pa}$	-	$\geq 600 \text{ Pa}$
Temperature stability range	DIN 18542	-30 °C to +90 °C	-20 °C to +60 °C	-30 °C to +90 °C
UV light and weather stability	DIN 18542	requirements fulfilled	-	requirements fulfilled
Compatibility with adjacent building materials	DIN 18542	requirements fulfilled	requirements fulfilled	requirements fulfilled
Dimension tolerance	DIN 7715 T5 P3	requirements fulfilled	requirements fulfilled	requirements fulfilled
Building material class	DIN 4102-1	B1 (fire resistant)	B2	B1 (fire resistant)
Fire behaviour	DIN EN 13501-1	-	E (flammable)	-
Thermal conductivity	DIN EN 12667	$\lambda = 0,043 \text{ W} / \text{m} \cdot \text{K}$	$\lambda = 0,043 \text{ W} / \text{m} \cdot \text{K}$	$\lambda = 0,043 \text{ W} / \text{m} \cdot \text{K}$
Water vapour diffusion resistance μ	DIN EN ISO 12572	≥ 100	≥ 100	≥ 100
Long term stability		10 year performance guarantee*		
ETA - 07/0072		CE mark since 2007	CE mark since 2007	CE mark since 2007
sd-value	DIN EN ISO 12572	$\geq 0.5 \text{ m}$ for 50 mm width (vapour diffusion permeability)		
Shelf life		2 years, dry and in original packing		
Storage temperature	+1 °C to +20 °C	+1 °C to +20 °C	+1 °C to +20 °C	+1 °C to +20 °C

Service

- ▶ standard sizes available from stock
- ▶ private label and/or special labelling available
- ▶ non standard lengths and widths available on request
- ▶ competent experienced technical support available in the field and by phone

▶ Sealing System

- ✔ **10 year performance guarantee***
- ✔ **tested in accordance with state-of-the-art technology**
- ✔ **complies with the principles of the RAL-window installation instructions**
- ✔ **fulfils the requirements of the energy saving regulations (EnEV)**

*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 max. joint width.

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.

