

EPE-BG1 Expansion Tape

One-side adhesive foam **EPE-BG1 Expansion Tape** for watertight seal of exterior joints

Material:

- Polyurethane-based impregnated foam

Features:

- Tight joint fill thanks to the foam expansion
- Sealing against wind, dust and spray water
- Temperature-change resistant according to DIN 18542 (BG1), tested from - 30 °C to + 90 °C
- Heat insulating and sound absorbing
- Dimensional tolerance levelling
- Water tightness, vapour permeability
- UV resistant

Instruction for use:

The correct tape dimensions must be chosen for tight seal of the joint (see the table below). After the roll opening, cut off the tape end and progressively remove the protective film while placing the tape in the joint. In the case of mutually perpendicular joints, the tapes are blunt ended (see the picture on the right). Tight joint can be achieved by leaving one of the tapes about 1 cm/m longer than needed and its pressing against the other. The sides of the joint, i.e. the walls defining the joint depth, should run parallel (with maximum 3° tolerance). The substrate must be cleaned and loose particles and mortar residues must be removed.

Apply the tape min. 2 mm beyond the joint edge. Failing to insert the tape in the joint by min. 2 mm may in some cases change the properties and seal tightness of the tape. The tape must not come into contact with thinners and aggressive chemicals.

Standards and certifications:

The products is not subject to a harmonized standard. It has been tested to fulfil requirements of BG1 according to DIN 18542.

Packaging, storage and transport:

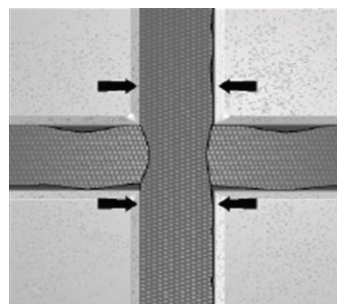
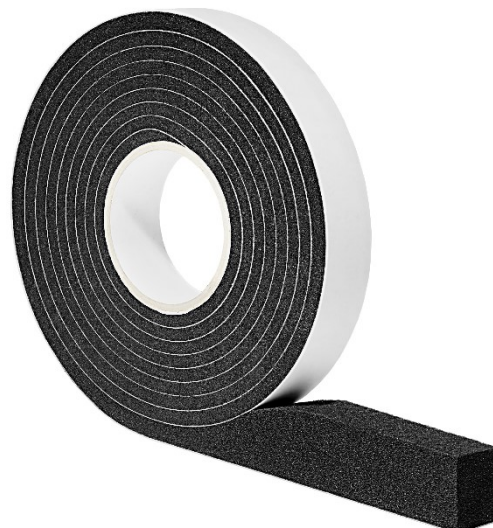
The tape is supplied pre-compressed in rolls. Store in a dry, roofed place room temperature (max 20°C) in original packaging. Load the roll in the open carton after application completion. This will prevent unilateral side telescoping of the rolls. Storage time: 1 year at room temperature < 20°C in original packaging.

Technical data:

Materials	Foam polyurethane with acrylic impregnation
Combustibility	B1 according to DIN 4102-1
Equivalent air thickness	< 0,5 m
Driving rain resistance	≥ 600 Pa (BG1 according to DIN 18542)
Temperature resistance	-20°C to +80°C
Compatibility with other building materials	pass according to DIN 18542
Joint permeability (a-value), air tightness	$a < 10 \text{ m}^3$
Joint sound absorption, ift regulations	$R_{ST, w, max} = 59 \text{ dB}$
Thermal conductivity	$\lambda = 0,046 \text{ W/(m·K)}$
Width	15 mm / 20 mm

Selection of product variants according to joint width:

Product variant	Joint width [mm]	Tape width [mm]
15 / 3-7	3-7	15
20 / 3-7	3-7	20
15 / 5-10	5-10	15
20 / 5-10	5-10	20
15 / 7-12	7-12	15
20 / 7-12	7-12	20



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This update invalidates all previous versions of this technical data sheet.