



The safe solution for varied sealing of the connecting joint – even with cavity walls.





## blaugelb Joint Sealing Tape 600 BG 1

Pre-compressed joint sealing tape for versatile applications for connecting joints.

### Product features:

The blaugelb Joint Sealing Tape 600 BG 1 is a pre-compressed PU foam tape with an acrylate-based impregnation. Due to its special properties, it is used for sealing connecting and expansion joints in high-building, on buildings and façades up to a height of 100 m. Additional areas of application are window construction, wood construction, masonry and prefabricated construction, half-timbered and concrete construction and the loft conversion.

The pre-compressed blaugelb Joint Sealing Tape 600 BG 1 has a high resilience and expands automatically to the existing joint widths. With just a few tape dimensions, different joint tolerances can thus be compensated. Component movements are safely absorbed and tears in the joint are avoided.

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- BG 1 and BG R tested according to DIN 18542
- Weather-resistant tested according to BG 1 (DIN 18542)
- Watertight against driving rain over 600 Pa (corresponds to approx. wind strength 11, buildings up to 100 m height)
- Building material class B1 – difficult to ignite (DIN 4102)
- Manufactured under an ISO 9001/ EN 2900-compliant quality system
- Tested to be low in pollutants according to EMICODE EC1 Plus



The self-adhesive has an outstanding adhesion on commercially available window profiles/substrates. The blaugelb Joint Sealing Tape 600 BG 1 can be plastered and painted over and thus be installed completely hidden. It is suitable for restoration as well as for new construction. High sound insulation values for the blaugelb Joint Sealing Tape 600 BG 1 enable use with noise prevention requirements for the connecting joint sealing both in interior work and window/façade construction.

The blaugelb Joint Sealing Tape 600 BG 1 is suitable for the sealing of expansion joints exposed to driving rain. It is pre-compressed, can also be applied to joints that already exist and securely and reliably seals these resistant to UV light.

Available in anthracite and grey, the blaugelb Joint Sealing Tape 600 BG 1 is excellent for use for the sealing of cavity walls (ETICS, clinker brick façades).

## Product benefits:

- Weather-resistant tested according to BG 1 (DIN 18542)
- Watertight against driving rain over 600 Pa (corresponds to approx. wind strength 11, buildings up to 100 m height)
- Very good sound and thermal insulation values
- Open to vapour diffusion
- Moisture and temperature-resistant
- Simple and fast handling with a self-adhesive strip, saves time and money
- High adhesive strength of the self-adhesive on the standard construction substrates and window profiles\*
- Flexible, absorbs component movements
- High resilience, different joint widths are covered with a few tape dimensions
- Processing possible irrespective of the weather
- Building material class B1 – difficult to ignite (according to DIN 4102)
- Manufactured under an ISO 9001/EN 29001-compliant quality system
- Tested to be low in pollutants according to EMICODE EC1 Plus

\*Carry out suitable pretests.

## Technical data:

Material:	Special impregnated PU foam
Building material class: <b>DIN 4102</b>	B1 (difficult to ignite)
Classification of stress group: <b>DIN 18542</b>	BG 1 and BG R
Joint permeability coefficient for external application BG 1: <b>DIN EN 12114</b>	$a \leq 1.0 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$
Joint permeability coefficient for internal application BG R: <b>DIN EN 12114</b>	$a \leq 0.1 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$
Watertightness of joints and joint intersections: <b>DIN EN 1027</b>	$\geq 600 \text{ Pa}$
Thermal conductivity: <b>DIN EN 12667</b>	$\lambda = 0.052 \text{ W/m} \cdot \text{K}$
Joint sound insulation:	$R_{\text{st,w}} (\text{C}; \text{Ctr}) = 44 (-1; -2) \text{ dB}$ with tape dimension 20/9-20
Thermal shock resistance: <b>DIN 18542</b>	From $-30 \text{ }^\circ\text{C}$ to $+90 \text{ }^\circ\text{C}$
Compatibility with adjacent building materials: <b>DIN 18542</b>	Satisfied

Light and weather resistance: <b>DIN 18542</b>	Satisfied
Water vapour diffusion resistance: <b>DIN EN ISO 12572</b>	$\mu \leq 100$
sd-value: <b>DIN EN ISO 12572</b>	Open to vapour diffusion on outside $\leq 0.5 \text{ m}$
Processing temperature:	$+5 \text{ }^\circ\text{C}$ to $+30 \text{ }^\circ\text{C}$
Dimension tolerance: <b>DIN 7715 T5 P3</b>	Satisfied
Storage temperature:	At $+1 \text{ }^\circ\text{C}$ to $+20 \text{ }^\circ\text{C}$
Shelf life:	24 months with dry storage in unopened original packaging, standing upright
Colour:	Anthracite, grey

Product name	PU	Item no.
blaugelb Joint Sealing Tape 600 BG 1 anthracite 15/2-6 mm	20 x 12 m	0418842
blaugelb Joint Sealing Tape 600 BG 1 anthracite 15/4-9 mm	20 x 8 m	9210027
blaugelb Joint Sealing Tape 600 BG 1 anthracite 15/5-12 mm	20 x 5.6 m	0418844
blaugelb Joint Sealing Tape 600 BG 1 anthracite 15/6-15 mm	20 x 4.3 m	0427860
blaugelb Joint Sealing Tape 600 BG 1 anthracite 20/5-12 mm	15 x 5.6 m	0418845
blaugelb Joint Sealing Tape 600 BG 1 anthracite 20/9-20 mm	15 x 3.3 m	0418846
blaugelb Joint Sealing Tape 600 BG 1 anthracite 24/1-4 mm	12 x 13 m	9122891
blaugelb Joint Sealing Tape 600 BG 1 anthracite 25/11-25 mm	12 x 3 m	0418848
blaugelb Joint Sealing Tape 600 BG 1 grey 15/2-6 mm	20 x 12 m	0418849
blaugelb Joint Sealing Tape 600 BG 1 grey 15/5-12 mm	20 x 5.6 m	0418850
blaugelb Joint Sealing Tape 600 BG 1 grey 15/6-15 mm	20 x 4.3 m	0427861
blaugelb Joint Sealing Tape 600 BG 1 grey 20/5-12 mm	15 x 5.6 m	0418851
blaugelb Joint Sealing Tape 600 BG 1 grey 20/9-20 mm	15 x 3.3 m	0418852
blaugelb Joint Sealing Tape 600 BG 1 grey 25/11-25 mm	12 x 3 m	0418853

## Preparation and processing:

The surface must be solid, dry, clean and free of grease, separating agents, solvents, dust, ice and loose parts. The blaugelb joint sealing tape 600 BG 1 can be processed at temperatures from  $+5 \text{ }^\circ\text{C}$ . Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer. When selecting the suitable tape dimension, the tolerances present in the construction and the specifications for the range of applications for the joint sealing tape on the label of the box must be observed.

Unwind the blaugelb Joint Sealing Tape 600 BG 1 from the roll and cut it to the required length, adding approx. 1 cm as an expansion reserve for each linear metre. The joint sealing using joint sealing tapes is to be performed as a "shadow gap"; they are to be installed at a distance of approx. 2 mm from the joint edge.

Remove the masking paper from the self-adhesive, bond this to the smooth surface of the joint face of the component to be sealed and press it on. Do not pull the blaugelb Joint Sealing Tape 600 BG 1 around/over corners. Always tamp down joint sealing tapes at the corners and the ends of the tape, adding approx. 10 mm of material. The blaugelb Joint Sealing



Tape 600 BG 1 expands automatically and creates a joint sealing watertight against driving rain following a weather-dependent adjustment phase.

Align and secure the window element in the jamb.

## **Delivery and storage form:**

Store in the original packaging in a dry place and protect against effects of frost and heat. Can be stored for 24 months at a storage temperature between +1 °C and +20 °C. Always store cardboard boxes upright.

## **Disposal:**

Scraps of the blaugelb Joint Sealing Tape 600 BG 1 can be disposed of in the household waste. The disposal generally conforms with the national and local specifications.

## **Safety note:**

According to the available specifications and guidelines, the product is not a hazardous substance.