

Pre-compressed PUR joint sealing tape to DIN 18542 - BG 1, hardly inflammable to DIN 4102 - B1, ANTHRACITE

Application areas

Wikofix VKB 607 has been formulated for direct exposure joints in building construction and exterior applications and can be used in a variety of ways for:

- sealing between masonry and window or door frames
- sealing of partition wall elements, coupling profiles, trusses
- foam barrier (prevents expansion of assembly foam)
- container, metal and façade construction (incl. natural stone façades), roof construction (windproof connection of foils)
- high-quality formwork and sealing tape
- connection element for vibration and noise isolation
- ideal for window manufacture, Fassadenbau, interior finishing, half-timbered building, noise protection construction, timber construction and handicraft

Product benefits

- fulfils BG1, the highest stress group according to DIN 18542
- driving rain proof ≥ 600 Pa
- vapour permeable (acc. to DIN 18542 BG1), thus significantly reducing the risk of wood rot and fungal infestation in neighbouring materials
- flame retardant (B1 acc. to DIN 4102-1)
- bridging large unevennesses
- thermal and sound insulating
- when used correctly reliable and durable sealing against driving rain, splash water, noise, dust, draughts and heat loss (reduces energy costs)
- self-adhesive on one side for simplified installation
- excellent long-term resistance when used correctly and with the required degree of compression
- compatible with adjacent building materials and Wisabax window sealants (acc. to DIN 18542 BG1)
- resistant to salts and alkaline environments (acc. to BRL-K407/02)
- thermal shock resistant acc. to DIN 18542 BG1 (tested from -30 °C up to $+90$ °C based on RAL-GZ 711)
- light and moisture resistant (acc. to DIN 18542 BG1)
- for indoor and outdoor use

Base

Open cell flexible polyurethane foam, evenly impregnated (not sprayed) with a polymer solution with flame retardant properties and UV protection.

Processing

The substrate must be sound, dry and free of dust and grease. The flanks of the joint must be parallel to each other. The tape dimension is selected according to the joint size, expected joint movement and tightness requirements (use different tape dimensions if necessary).

The first 3 cm of each roll must be cut straight. The tape should also be cut to a straight length with an overlength of approx. 2 %. remove the masking film and press the tape onto the intended smooth surface (e.g. window frames). Lay the tape at least 2 mm inwards from the front edge of the joint. Do not place the tape along corners.

Always butt the ends together and never stretch the tape. The excess length of the belt is pressed into the corners. Start vertical joints from bottom to top and allow the joints to run as far as possible. When extending the belt, the ends of the lengths must be pushed together. Overlaps must be avoided at all costs.

Note	Do NOT clean the tape with compressed air or solutions containing strong acetic acid and always avoid contact with aggressive chemicals.
Driving rain tightness	fulfils over 600 Pa acc. to DIN EN 1027* Attention: Only a high level of compression will provide a high level of sealing effect!
Fire behaviour	B1 acc. to DIN 4102-1, flame retardant
Stress group	BG1 acc. to DIN 18543
Thermal conductivity	ca. 0.05 W/(m*K) acc. to DIN 52612
Sound insulation	joint sound insulation: $R_{ST,w \max} = \text{ca. } 59 \text{ dB}$ in accordance with ift guideline SC-01/2:2002-09
Water vapour permeability	sd-value <0.5 m (well permeable) acc. to EN ISO 12572
Joint permeability	$a < 1 \text{ m}^3 / (\text{h} \cdot \text{m}^* (\text{daPa})^{0.91})$ acc. to DIN EN 12114
Airtightness	$a < 1 \text{ m}^3 / (\text{h} \cdot \text{m}^* (\text{daPa})^{0.91})$ acc. to DIN EN 12114
Processing temperature	from -5 °C up to +40 °C
Temperature resistance	from -30 °C up to +90 °C
Building material compatibility	given with conventional building materials according to DIN 18542 BG1
Expansion behaviour (Summer / Winter)	The mounting behaviour of pre-compressed tapes is highly dependent on temperature and humidity. At temperatures below +15 °C, it is recommended to temper the tape at 20 °C - 25 °C 24 hours before processing.

In order to achieve faster expansion of the tape when installed, the tape can be sprayed with water and heated with a heat source (e.g. hair dryer) in a swivelling motion. Never store the tape in the vehicle or in the sun / heat. In summer, the belt should be cooled down beforehand and installed as quickly as possible.

For technical reasons, it is not possible to guarantee that the belts will always reach 4 to 5 times their original nominal thickness.

Further information



You can find more information about this product (link to the product on our homepage, safety data sheet, certificates, special enquiries etc.) under the adjacent ISOPIN QR code.

Colour

anthracite (same ribbon in grey colour see product Wikofix VKB 600)

Standard stock dimensions

(compressed on rolls)

Item no.	Thickness	Width	Carton box content	* Joint width	** Max. thickness
VKB 607.0210.12,5	2 mm	10 mm	25 x 12.5 m = 300 m	2 - 3 mm	10 mm
VKB 607.0210.12,5.GP	2 mm	10 mm	48 x 12.5 m = 600 m	2 - 3 mm	10 mm
VKB 607.0215.12,5	2 mm	15 mm	16 x 12.5 m = 200 m	2 - 3 mm	10 mm
VKB 607.0315.10	3 mm	15 mm	16 x 10 m = 160 m	3 - 5 mm	15 mm
VKB 607.0420.8	4 mm	20 mm	12 x 8 m = 96 m	3 - 7 mm	20 mm
VKB 607.0420.8.GP	4 mm	20 mm	24 x 8 m = 192 m	3 - 7 mm	20 mm
VKB 607.0620.6.GP	6 mm	20 mm	24 x 6 m = 144 m	5 - 10 mm	30 mm

* suitable for driving rain-proof joint sealing >600 Pa

** theoretically max. achievable thickness in the case of complete expansion; in practice, this initial strength is no longer fully achieved

Special dimensions

Further dimensions on request.

Shelf life

In closed original packaging, protected from direct sunlight, when stored in a dry place at a temperature of +15 °C to +20 °C and an optimum humidity of 50 % to 60 %, the official shelf life is 12 months from date of production. Never store the tape in the vehicle or in the sun / heat.

Observe: All information is based on careful examinations in the labs and our previous practical experience. They are non-committal notes. Due to the many materials that are marketed and the different processing methods, which we cannot influence, we can, of course, not assume any warranty, including under patent-law, for the result of your work. We recommend performing sufficient own tests to find out if the product meets the respective requirements. In addition, we refer to our terms and conditions of sale, delivery and payment, available at www.wisabax.ch/agb.html. © Wisabax AG - This technical data sheet replaces all older versions.

Have you noticed an unclear formulation or an error? Thank you for your feedback. In case of doubt, the German version of the technical data sheet applies.