

OTTO Jointing tape BG 1



Technical Datasheet

Characteristics:

- Impregnated foam tape, self-adhesive on one side
- Stretches slowly inside the joint to its final thickness
- **Forms a driving rain resistant joint according to DIN 18542**
- Good UV-resistance
- **Flame resistant**
- Protects against moisture and dust, heat loss, noise etc.
- Compatible with concrete, cellular concrete, bricks, sandlime brick, iron, zinc, steel, galvanised sheet metal, aluminium, copper, wood and unplasticized PVC

Fields of application:

- Sealing of joints
- Joint between masonry and door or window frames
- Joint between masonry and concrete pillars, gable and roofing panels, sheet metal window sills, expanding joints, sheet pile profiles and corrugated panels

Standards and tests:

- BG1 according to DIN 18542
- Driving rain resistant up to 600 Pa according to DIN EN ISO 1027
- Compatible with general construction material according to DIN 18542
- General building inspection certificate: Tested and monitored (MPA BUA Hannover, Germany) – flame-resistant building material (building material class B1) according to DIN 4102-1
- Suitable for applications according to IVD instruction sheet no. 11+24+26+31+32+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- EMICODE® EC 1 Plus - very low emission

Important information:

OTTO jointing tape BG1 is compatible with OTTO sealants based on silicone, hybrid and polyurethane. Compatibility is to be checked beforehand when coating with paints / in the event of contact with natural stones.

EMICODE® is a registered trademark of GEV e. V. (Düsseldorf, Germany)

Technical properties:

| | |
|--|-------------|
| Temperature resistance from/to [°C] | - 30 / + 90 |
| Permeability of the joint according to EN 1026 [m ³ /(h*m*[daPa]n)] | < 1,0 |
| Water vapour diffusion equivalent air layer SD [m] | < 0,5 |
| Thermal conductivity according to DIN 52 612 [W/mK] | ≤ 0,048 |
| Value of sound insulating joint according to DIN 52 210 [dB] | ~ 51 |
| Shelf life at 23 °C/50 % RH [months] | 24 (1) |

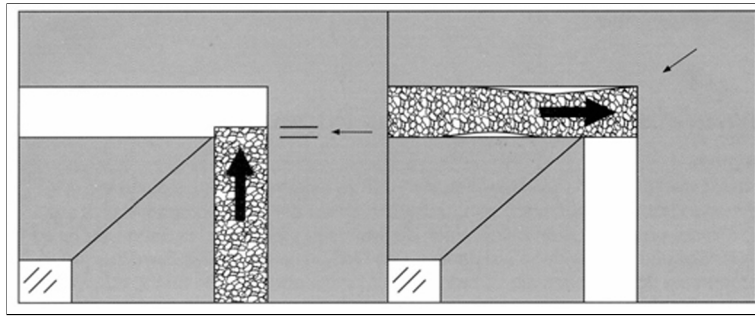
1) At + 1 °C up to + 20 °C

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

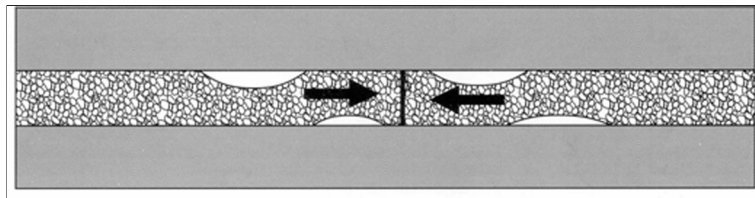
Application information:

Joints have to be clean, dry, sustainable, free of bitumen, formwork oil and other substances. Use the adequate tape dimension for each joint width (see diagram).

Remove protective paper from the tape. The over-compressed end pieces should be cut off. Apply the tape directly from the roll into the joint. The tape has to be - looking from the outer edge of the joint flank - layered 2 mm to the inside. Special attention should be paid to mounting the tape in corners and compressed connections.



The jointing tape must not be applied around corners and when calculating the length of tape to be fitted add 1 cm/m to the actual joint length. The tape is equipped with a thin adhesive coating, through which overstretching will be avoided. Assemble the tape without stretching. For connections of the tape in long joints, make a close butt connection (oversize in length).



Install the vertical jointing tape continuously when sealing cross joints in an existing facade construction. Compress the horizontal tape (oversize in length).

Apply the horizontal tape continuously at cross or crucifix joints during the positioning of the building components (with new buildings). Compress the vertical tape (oversize in length).

Remaining rolls in opened cardboard boxes are to be weighed down in order to prevent the rolls from unfolding at the sides.

Due to the many possible influences during and after application, the customer always has to carry out trials first.

Packaging:

| Joint depth in mm | Width of Joints in mm | Roll length in m | Content of box in m | Minimum quantity in m | Order code |
|----------------------|--------------------------|---------------------|---------------------------|-----------------------------|------------|
| 10 | 2 | 12,5 | 137,5 | 137,5 | OFB-10/2 |
| 10 | 3 | 10,0 | 110,0 | 110,0 | OFB-10/3 |
| 10 | 3-6 | 8,0 | 88,0 | 88,0 | OFB-10/4 |
| 15 | 2 | 12,5 | 87,5 | 87,5 | OFB-15/2 |
| 15 | 3 | 10,0 | 70,0 | 70,0 | OFB-15/3 |
| 15 | 3-6 | 8,0 | 56,0 | 56,0 | OFB-15/4 |
| 15 | 5-9 | 5,6 | 39,2 | 39,2 | OFB-15/6 |
| 20 | 2 | 12,5 | 62,5 | 62,5 | OFB-20/2 |
| 20 | 3 | 10,0 | 50,0 | 1000,0 | on request |
| 20 | 3-6 | 8,0 | 40,0 | 40,0 | OFB-20/4 |
| 20 | 5-9 | 5,6 | 28,0 | 28,0 | OFB-20/6 |
| 20 | 7-12 | 4,3 | 21,5 | 21,5 | OFB-20/8 |
| 25 | 7-12 | 4,3 | 17,2 | 344,0 | on request |
| 25 | 9-16 | 3,3 | 13,2 | 13,2 | OFB-25/10 |
| 30 | 9-16 | 3,3 | 9,9 | 217,8 | on request |
| 30 | 10-18 | 4,5 | 36,0 | 36,0 | OFB-30/12 |

Packaging: box, other dimensions on request

Disposal: Product residues can be disposed of along with industrial waste as mixed plastics. Packaging materials (cardboard boxes, foils) are recyclable and hence should be recycled.

Warranty information: All information in this publication is based on our current technical knowledge and experience. However, since conditions and methods of use and application of our products are beyond our control, we suggest that you test the product before final use. Information given in this technical data sheet and explanations of OTTO-CHEMIE in connection with this technical data sheet (e.g. service description, reference to DIN regulations etc.) is not to be seen as a warranty. Warranties require a separate written declaration of OTTO-CHEMIE to prove their validity. The characteristics stated in this data sheet define the characteristics of the article broadly and conclusively. Suggestions of use are not to be taken as confirmation of the appropriateness for the recommended intended use. We reserve the right to alter the product, adjusting it according to technical progress and new developments. We are at your disposal both for inquiries as well as specific application problems. If a governmental approval or clearance is necessary for the application of our products, the user is responsible for the obtainment of such. Our recommendations do not excuse the user from the obligation to take into consideration the possibility of infringement of third parties' rights and - if necessary - resolving it. For the rest our general terms and conditions apply, in particular regarding a possible liability for defects. You can find our general terms and conditions on our homepage: <http://www.otto-chemie.de/en/terms-and-conditions>