

## Product Information VITO FUGENBAND BG1

### Joint Sealing Tape Corresponds to DIN 18 542:2009 / Stress Group 1

**Description** Consists of a pre-compressed joint sealing tape based on polyurethane foam, saturated with an acrylic impregnation.

**Application** VITO FUGENBAND BG1 can universal be used for the sealing of joints in structural engineering.  
 It is especially appropriate for the sealing of joints between different components, e.g. masonry and window frames, masonry and door frames or between concrete constructions. The tape can be used for sealing outside joints which are exposed to direct weathering.

| Product Properties (Not for specification use)                       |  |
|--|--|
| carrier  | PUR foam with impregnation   |
| adhesive   | acrylic dispersion   |
| colour   | grey<br>black on demand  |
| tensile strength<br>DIN EN ISO 1798                                  | > 100 kPa  |
| elongation at break<br>DIN EN ISO 1798                               | > 200 %  |
| compressive strength<br>at a compression of 40 %<br>DIN EN ISO 3386  | 3.4 kPa +/- 15 %   |
| fire behaviour / building material class<br>DIN 4102-1               | B1 (DIBt, Z-56.212-3505,<br>controlled by MPA Bau Hannover)  |
| temperature resistance   | -30 °C until +100 °C / +130 °C at short term   |
| air permeability<br>DIN EN 12 114                                    | $\alpha \leq 1,0 \text{ m}^3/[\text{h}\cdot\text{m}\cdot(\text{daPa})^{2/3}]$  |
| heavy rain tightness<br>DIN EN 1027                                  | $\geq 600 \text{ Pa}$ / stress group BG1   |
| sound absorption<br>ift SC-01/2:2002-09                              | 42 dB (one sealing tape without insulation and second<br>sealing level)<br>59 dB (two sealing tapes without heat insulation layer) |
| weathering resistance<br>artificial weathering<br>outdoor weathering | > 10 years<br>> 15 years   |

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| Product Properties (Not for specification use)  |   |
|---|---|
| compatibility with conventional building materials and resistance to alkaline substances (DIN 18 542) | passed                                      |
| water vapour diffusion (DIN EN ISO 12 572)  | $s_d < 0.5 \text{ m}$                       |
| thermal conductivity (DIN 52 612)   | $\lambda = 0.0429 \text{ W/m}\cdot\text{K}$ |

- Safety instructions** The product is not classified as dangerous under the rules for dangerous materials and under the EC Guidelines. However, we recommend to treat the product with the usual care and hygienic precaution usually applied when handling chemical substances.
- Processing** The most important processing parameters and information on cleaning are listed in our Information on Processing Adhesive Tapes.
- Storage** Unprocessed in the original cardboard box 18 month starting from production date at a relative atmospheric humidity of about 60 % and a temperature of 18 °C.
- Environment** VITO Fugenband BG1 is very low-emission.

#### Special Information

All data and technical information are based on laboratory tests or have been compiled from supplier information to the best of our knowledge. A guarantee that the values are complete and correct can however not be given. You are kindly requested to conduct your own tests to determine the suitability of our product for your applications. Our General Conditions answer any questions on guarantees and liabilities for these products insofar as no other legal regulations apply.

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