

## Product information

# VITO FUGENBAND BG1

Joint sealing tape

### Description

VITO FUGENBAND BG1 is a self-adhesive pre-compressed joint sealing tape based on polyurethane foam, saturated with an acrylic impregnation. With extra long run length it is available as **VITO Fugenband BG1 XL**.



### Properties

The tape corresponds to DIN 18542:2009 / Stress Group 1.  
The product exceeds the requirements of driving rain tightness and air-tightness of EN 12207, class 3.

### Application

VITO FUGENBAND BG1 is used universally for joint sealing in building construction. The tape can be used for sealing outside joints which are exposed to direct weathering. Areas of application are window construction, wood construction, prefabricated construction, framework construction and concrete construction. The use there is particularly beneficial for sealing connection joints and expansion joints between different components. VITO FUGENBAND BG1 is often used in interior construction because of its good sound insulation values. It is also used for the windproof sealing of foils in roof extensions.

### Technical data and product properties

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| carrier  | PUR foam with impregnation   |
| adhesive   | acrylic dispersion   |
| colour   | grey, black on demand  |
| stress group<br>(DIN 18542:2009)                         | BG1  |
| fire behaviour / building material class<br>(DIN 4102-1) | B1 (DIBt, Z-56.212-3505,<br>controlled by MPA Hannover)  |
| temperature resistance                                   | -30 °C to 100 °C / short term 130 °C   |
| joint permeability<br>(DIN EN 12114)                     | $a \leq 1 \text{ m}^3/[\text{h}\cdot\text{m}\cdot(\text{daPa})^{2/3}]$   |
| driving rain tightness<br>(DIN EN 1027)                  | $\geq 600 \text{ Pa}$  |
| sound absorption<br>(ift SC-01/2:2002-09)                | joint sound insulation value $R_{ST,W}$<br>42 dB one sealing tape without insulation and<br>second sealing level<br>59 dB two sealing tapes without heat<br>insulation layer |

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|  |   |
|--|---|
| water vapour diffusion<br>(DIN EN ISO 12572)                         | $s_d < 0,5 \text{ m}$                       |
| thermal conductivity<br>(DIN EN 12667)                               | $\lambda = 0.0412 \text{ W/m}\cdot\text{K}$ |
| weathering resistance<br>artificial weathering<br>outdoor weathering | > 10 years<br>> 15 years                    |
| compatibility with adjoining building<br>materials (DIN 18542:2009)  | passed                                      |

### Processing

Please follow instruction manual which is enclosed in the packaging.

### Storage and shelf life

Unprocessed in the original cardboard box 24 month starting from production date at room temperature and a relative atmospheric humidity of 60 %.

### Environment

VITO FUGENBAND BG1 has very low emissions.

### Safety instructions

The product is not classified as dangerous according to EU guidelines. However, we recommend to treat the product with the usual care and hygienic precaution usually applied when handling chemical substances.

### Special Information

All data and technical information presented 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.

If you need further information about product safety, conformance, REACH or RoHS please send your e-mail to [info@vito-irmen.de](mailto:info@vito-irmen.de)

version: 12/2023 Fi