

## 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 Group1.

The product exceeds the requirements of driving rain tightness and air-tightness of EN 12207, class 3 (former designation DIN 18055, group C).

### Application

VITO FUGENBAND BG1 is 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.

### Technical data and product properties

carrier	PUR foam with impregnation
adhesive	acrylic dispersion
colour	grey, black on demand
stress group (DIN 18542:2009)	BG1
fire behaviour / building material class (DIN 4102-1)	B1 (DIBt, Z-56.212-3505, controlled by MPA Bau Hannover)
temperature resistance	-30 °C to 100 °C / short term 130 °C
joint permeability (DIN EN 12114)	$\alpha \leq 1 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$
driving rain tightness (DIN EN 1027)	$\geq 600 \text{ Pa}$
sound absorption (ift SC-01/2:2002-09)	joint sound insulation value $R_{\text{ST,W}}$ 42 dB one sealing tape without insulation and second sealing level 59 dB two sealing tapes without heat insulation layer
tensile strength (DIN EN ISO 1798)	$> 100 \text{ kPa}$
elongation at break (DIN EN ISO 1798)	$> 200 \%$

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compressive strength at 40 % deformation (DIN EN ISO 3386)	3.4 kPa $\pm$ 15 %
weathering resistance artificial weathering outdoor weathering	> 10 years > 15 years
compatibility with conventional building materials (DIN 18542:2009)	passed
resistance to alkaline substances	passed
water vapour diffusion (DIN EN ISO 12572)	$s_d < 0,5$ m
thermal conductivity (DIN EN 12667)	$\lambda = 0.0412$ W/m·K

### 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)

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