

Mak Dublin:
Tel: 01-4519900 / Fax: 01-4519004
E-Mail: sales@makfasteners.com

Mak Cork:
Tel: 021-4342890 / Fax: 021-4342396
E-Mail: corksales@makfasteners.com

Mak (NI):
Tel: 028-86758574 / Fax: 028-86758578
E-Mail: salesni@makfasteners.com



**MAK
FASTENER
SPECIALISTS
LTD**

Fasteners for Roofing, Cladding
and General Construction

Product Group 36 *Expanding Tape*

Description

Expanding Foam Tape

The VITO self-adhesive technique
always signifies rationalization for the user



Features

The VITO BG 1 precompressed joint sealing tape is easily and rapidly applicable directly from the roll. Unevenness as well as irregularly shaped edges within the joint are completely compensated by the expansive properties of the tape. The material absorbs movements of joints and it ensures a permanent elasticity for many years. This tape seals the joints in one phase of operation. Preliminary operations such as, for example, the application of primers, precoats and maskings are not necessary. The application of this product is independent of weathering conditions. This tape is resistant to driving rain (stress condition group C according to German industrial standard DIN 18542). This tape is sound-absorbing and admits the necessary vapour diffusion. The behavior in fire corresponds to class B1 for building materials with difficult inflammability according to German industrial standard DIN 4102. The VITO BG 1 joint sealing tape is available in practical dimensions and graduations for joints whose width dimensions extend from 2 mm up to 32 mm.

Typical Applications

Applications include sealing of expansion & butt joints in:-

- Underground constructions · Prefabricated sections
- Profiled sheeting · Exterior & interior buildings
- Window construction · Road joints

Product Image



Stock Sizes (Others on request)

| Code | Description |
|---------------|---|
| 36-2-10X10-G | 2mm-10mm x 10mm wide x 8mt GREY Exp-Tape BG1 1.5-3x10mm |
| 36-4-20X20-G | 4mm-20mm x 20mm wide x 6mt GREY Exp-Tape BG1 3-6x20mm |
| 36-6-30X20-G | 6mm-30mm x 20mm wide x 4mt GREY Exp-Tape BG1 5-9x20mm |
| 36-10-50X20-G | 10mm-50mm x 20mm wide x 4mt GREY Exp-Tape BG1 8-16x20mm |

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Preliminary Product Information VITO-FUGENBAND BG 1 Joint Sealing Tape Corresponds to DIN 18 542 / Stress Group 1 (MPA Hannover)

Description Consists of a precompressed joint sealing tape based on polyurethane foam, saturated with an acrylate impregnation. The product is free from chlorinated compounds, CFC and halogens.

Application The product is appropriate for the sealing of outside joints at windows and doors, which are exposed to direct weathering.

| Product Properties (Not for specification use) | |
|---|--|
| carrier | PUR foam with an impregnation |
| adhesive | acrylate dispersion |
| colour | grey |
| thickness | precompressed rolls, one-side self-adhesive length of roll: 2 - 12 m, depending on the thickness thicknesses: 10 - 150 mm (decompressed) widths: 10 - 1000 mm |
| tensile strength DIN EN ISO 1798 | at least 100 kPa |
| elongation at break DIN EN ISO 1798 | at least 200 % |
| compressive strength at a compression of 40% DIN EN ISO 3386 | 3.4 kPa +/- 15 % |
| fire behaviour DIN 4102-1 | B1 (MPA Hannover) |
| temperature resistance | -30°C until +100°C / +130°C at short term |
| permeability of joints DIN EN 1026 (DIN EN 42) | coefficient of joint permeability $a \leq 0.1 \text{ m}^3/\text{h}\cdot\text{m}\cdot(\text{daPa})^n$ (MPA Hannover) |
| water tightness under heavy rain DIN EN 1027 (DIN EN 86) | $\geq 600 \text{ Pa}$ / stress group BG1 (wind force: 11 / height of building: 100m) (MPA Hannover) |
| sound absorption accord. to DIN 52 210 | sound absorption measure $R_{\text{aT,w}}$: 48 dB |
| weathering resistance (factitious weathering / natural weathering) | > 10 years |

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| Product Properties (Not for specification use) | |
|---|---|
| compatibility with commercially available building materials and resistance to alkaline substances (DIN 18 542) | passed (MPA Hannover) |
| water steam diffusion at a compression down to 20% (DIN EN ISO 12572) | $\mu < 10$ |
| thermal conductivity (DIN 52 612) | $\lambda = 0.07 \text{ W/m}\cdot\text{K}$ |

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.

Special **The technical data and test reports are in revision according to the new standard
DIN 18 542: 2-2008**

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.