

Technical Data Sheet

Version 07/2021

Hannoband BG1 & BG1 XL Hannoband BG1-M

Product description

Joint sealing tape of polyurethane soft foam with acrylate dispersion impregnation, accessory agents and filling agents. BG1-M with additional inside membrane.

3-Level joint sealing system component.



Product Properties

- CE ETA 06/0083 – LE/DoP 001/BG1/130625 (BG1)
- DIN 18542:2009, stress group 1, Materialprüfungsanstalt für das Bauwesen (Materials testing Agency), Hanover
- "very low emission Plus" EMICODE EC1^{Plus}
- externally monitored by the MPA Material Testing Agency for the Construction Industry, Hanover and Kiwa N.V.

Form of Delivery

Pre-compressed: on rolls, self-adhesive from one side. Also available in longer reels as Hannoband BG1 XL. Available also with inside membrane as Hannoband BG1-M. Reel length: 2–24 m, depending on material thickness and type.

Available in widths of 10–1000 mm, depending on material thickness and type.

Areas of Application

Hannoband BG1 and BG1-M can be put to universal use for the sealing of joints in structural engineering. The preferential areas of use are window construction, wood construction, prefabricated construction and masonry, framework construction and concrete construction. Hannoband BG1 and BG1-M especially provide advantages when it comes to sealing connection joints and expansion joints between various building components and when sealing foils in roof extensions so that they are windproof. Hannoband BG1 and BG1-M are especially used in interior work for the sealing of connection joints due to its good sound insulation values. Hannoband BG1 and BG1-M on the roll can be put to universal use and can also be inserted in existing joints due to the precompression.

Technical Data Sheet BG1 & BG1 XL

Properties	Standard	Value
Colour		grey
Stress group	DIN 18542:2009	BG1
Fire behaviour / Building material class	DIN 4102-1	B1
Joint permeability	DIN EN 12114	$a_n \leq 1 \text{ (m}^3 / \text{h m dPa)}^{2/3}$
Heavy rain tightness	DIN EN 1027	$\geq 600 \text{ Pa}$
Temperature resistant		-30 °C bis 100 °C, max. 130 °C briely
Rated joint noise insulation dimension $R_{ST,w}$	ift SC-01/2:2002-09	42 dB (One sealing tape without insulation and 2nd sealing level) 59 dB (Two sealing tapes without heat-insulating layer)
Weathering resistance		> 10 years, artificial weathering > 15 years, outdoor weathering:
Compatibility with adjoining building materials	DIN 18542:2009	yes
Resistance to alkaline media		yes
Tensile strength	DIN EN ISO 1798	> 100 kPa
Elongation at break	DIN EN ISO 1798	> 200 %
Compressive strain deformation	DIN EN ISO 3386	3,4 kPa ($\pm 15 \%$), 40 % deformation
Properties		
Water vapour diffusion	DIN EN ISO 12572	$s_d < 0,5 \text{ m}$
Caloric conductivity	DIN EN 12667	$\lambda = 0,0412 \text{ W/mK}$
Emissions	EMICODE	EC1 ^{Plus}
Storage stability		24 months from the date of production

Technical Data Sheet BG1-M

Properties	Standard	Value
Colour		grey with inside functional membrane
Stress group	DIN 18542:2009	BG1
Fire behaviour / Building material class	DIN 4102-1	B1
Joint permeability	DIN EN 12114	$a_n \leq 1 \text{ (m}^3 / \text{h m dPa)}^{3/2}$
Heavy rain tightness	DIN EN 1027	$\geq 600 \text{ Pa}$
Temperature resistant		-30 °C bis 100 °C, temporarily up to 130 °C
Rated joint noise insulation dimension $R_{ST,w}$	ift SC-01/2:2002-09	56 dB (ein Dichtungsband ohne Dämmung und 2. Dichtebene) 62 dB (zwei Dichtungsbänder ohne Wärmedämmschicht)
Compatibility with adjoining building materials	DIN 18542:2009	yes
Water vapour diffusion	DIN 18542:2009	$s_d < 0,5 \text{ m}$
Caloric conductivity	DIN EN 12667	$\lambda = 0,0429 \text{ W/mK, 124413}$
Emissions	EMICODE	EC1 ^{Plus}
Storage stability		12 months from the date of production
Weathering resistance		yes

Cleaning

The skin can be cleaned with soap and water. Residue adhesive can be removed with a petroleum-based cleaning agent. Observe the safety regulations.

Disposal

Residue tape can be disposed of in the household waste. The local regulations are to be adhered to.

Additional Information

This technical data sheet advises without obligation and guarantee. The mentioned processing instructions have to be adapted to the prevailing conditions. The user is obliged to check the suitability and application by own experiments in order to avoid failures.

All given descriptions, data, ratios, weights, etc. can change without notice and do not represent contractually agreed properties of the product. Existing laws, standards and regulations are to be observed by the recipient of our products in their own responsibility.

Due to the large number of possible influences during processing and application, a guarantee of certain properties or suitability for a specific application can not be made, own tests are necessary.

The right to make technical changes is reserved.