

Technical Data Sheet

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
- 10-year function guarantee*
- "very low emission Plus" EMICODE®-EC1^{Plus}
- externally monitored by the MPA Material Testing Agency for the Construction Industry, Hanover and Kiwa N.V.

* when using all of the Hanno system components, according to manufacturer's instructions

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.

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.

Instructions for use

Please adhere to the instructions for use which are enclosed in each of the boxes.

Dimensions

dimension	joint depth	application range*	
		Minimal	Maximal
8/1,5-2,5 10/1,5-2,5 15/1,5-2,5 20/1,5-2,5	8 10 15 20	1,5	2,5
10/2-4 15/2-4 20/2-4	10 15 20	2	4
10/3-7 12/3-7 15/3-7 20/3-7	10 12 15 20	3	7
10/5-10 15/5-10 20/5-10 30/5-10	10 15 20 30	5	10
15/7-12 20/7-12 30/7-12	15 20 30	7	12
20/8-15 25/8-15 30/8-15	20 25 30	8	15
20/10-18 25/10-18 30/10-18	20 25 30	10	18
25/8-18	25	8	18
25/12-25	25	12	25
35/20-35	35	20	35

Dimensions 25/8-18, 25/12-25, 35/20-35 come as BG1-M with integrated functional membrane. Other dimensions on request.

* DIN 18542:2009 certified by MPA Bau Hannover

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.

Safety instructions

On the basis of existing data and experience, the product is not hazardous material in the meaning of the Hazardous Material Regulations and the corresponding EC directives. We recommend however that you take the same care and use the same hygiene as with chemical materials.

Restriction of liability

Our General Terms and Conditions of Sales with the warranty conditions which you can refer to at www.hanno.com, apply. This data sheet provides non-binding information without the assurance of guarantee. The stipulated instructions for use are to be adapted to the given conditions. The user is obligated to validating the suitability and application possibility of the product by testing it himself, so as to avoid failures for which we assume no liability. The right to make technical changes is reserved. You can request the latest version of this datasheet from info@hanno.com.

Technical Data BG1 & BG1 XL

Colour		light grey, grey, black
Stress group	DIN 18542:2009	BG1, NDS04-2015-095 MPA*
Fire behaviour / Building material class	DIN 4102-1	B1, Z-56.212-3501, DIBt*, externally monitored by the MPA *
Joint permeability	DIN EN 12114	$a_n \leq 1 \text{ (m}^3 / \text{h m dPa)}^{1/2}$, NDS04-2015-095 MPA*
Heavy rain tightness	DIN EN 1027	$\geq 600 \text{ Pa}$, NDS04-2015-095 MPA*
Temperature resistant		between - 30° C and 100° C, max. 130° C briefly
Rated joint noise insulation dimension $R_{ST,\omega}$	ift SC-01/2:2002-09	42dB (One sealing tape without insulation and 2nd sealing level) 59dB (Two sealing tapes without heat-insulating layer) 167 37188, ift*
Weathering resistance	artificial weathering: outdoor weathering:	> 10 years, test report No. 841.1219-5, MPA2* > 15 years, test report No. 2009.1115, MPA2*
Compatibility with adjoining building materials	DIN 18542:2009	yes, NDS04-2015-095 MPA*
Resistance to alkaline media		yes, MPA*
Tensile strength	DIN EN ISO 1798	> 100 kPa
Elongation at break	DIN EN ISO 1798	> 200 %
Compressive strain deformation Properties	DIN EN ISO 3386	3,4 kPa ($\pm 15 \%$), 40 % deformation
Water vapour diffusion	DIN EN ISO 12572	$s_d < 0,5 \text{ m}$, NDS04-2015-095 MPA*
Caloric conductivity	DIN EN 12667	$\lambda = 0,0412 \text{ W/mK}$, 124413, MPA*
Emissions	EMICODE®	EC1 ^{Plus} (2772 GEV*)
Storage stability		24 months from the date of production

* DIBt: German Institute for Construction Engineering, Berlin; MPA: Material Testing Agency for the Construction Industry, Hanover; MPA2: MPA-Hanover, Material testing laboratory; ift: ift Rosenheim; GEV: Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials

Technical Data BG1-M

Colour		light grey, grey, black with inside functional membrane
Stress group	DIN 18542:2009	BG1, MPA*
Fire behaviour / Building material class	DIN 4102-1	B1, MPA*
Joint permeability	DIN EN 12114	$a_n \leq 1 \text{ (m}^3 / \text{h m dPa)}^{2/3}$, MPA*
Heavy rain tightness	DIN EN 1027	$\geq 600 \text{ Pa}$, MPA*
Temperature resistant		- 30° C to +100° C, temporarily up to 130° C
Rated joint noise insulation dimension $R_{ST,\omega}$	ift SC-01/2:2002-09	56 dB (ein Dichtungsband ohne Dämmung und 2. Dichtebene) 62 dB (zwei Dichtungsbänder ohne Wärmedämmschicht) 11-003191 ift*
Compatibility with adjoining building materials	DIN 18542:2009	yes, MPA*
Water vapour diffusion	DIN 18542:2009	$s_d < 0,5\text{m}$, MPA*
Caloric conductivity	DIN EN 12667	$\lambda = 0,0429 \text{ W/mK}$, 124413, MPA*
Emissions	EMICODE®	EC1 ^{Plus} , 3476/03.03.10 GEV*
Storage stability		12 months from the date of production
Weathering resistance		yes

* DIBt: German Institute for Construction Engineering, Berlin; MPA: Material Testing Agency for the Construction Industry, Hanover; ift: ift Rosenheim; GEV: Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials