

Description

The Hannoband®-3E is a pre-compressed, self-expanding and impregnated multifunctional joint sealing tape for the sealing of all function areas in window joint sealing with a single product.

The tape meets all of the requirements pertaining to an air tight and heavy rain tight sealing.

Pressure sensitive adhesive for fast and easy installation

Halogen free flame retardant for fire safety

Properties

- Driving rain resistance up to 15.5 psf (ASTM E331/E547).
- Air tight < 0.03 cfm/ft at 1.6 psf / < 0.1 cfm/ft at 7.5 psf (ASTM E283).
- Vapor permeability adaptive to humidity.
- Very good sound insulation.
- Very low emissions (Volatile Organic Compounds, VOCs)

Typical Uses

Hannoband®-3E can be used to seal the window connection joint. The sealing of the most different joint widths and window profile thicknesses is possible due to the various tape widths and thicknesses.

Hannoband®-3E is not designed for settlement joints in facades. Insert a tape which meets the requirements of Stress Group 1, tested in accordance with DIN 18542, e.g. Hannoband®-BG1.

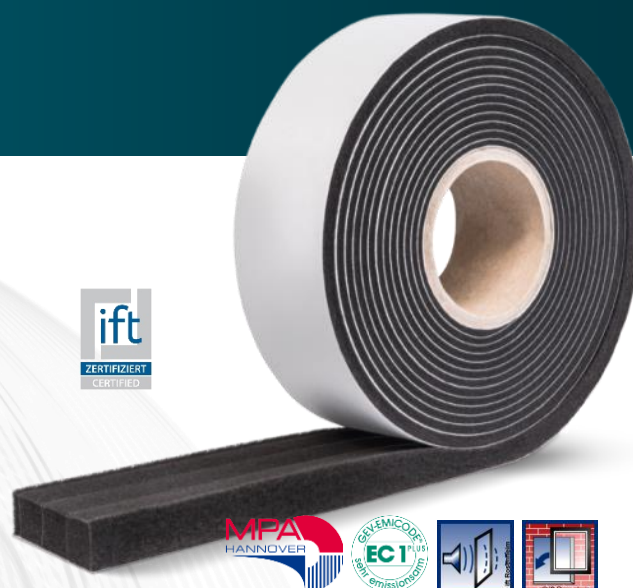
Hannoband®-BG1 can be put to universal use for the sealing of joints in structural engineering. The preferential areas of use are window construction, wood construction, prefabricated construction and masonry, framework construction and concrete construction.

Packaging

Hannoband®-3E is supplied pre-compressed on rolls, self-adhesive. Roll length and rolls per box depend on the dimension.

Instructions for use

Please adhere to the instructions for use which are enclosed in each of the boxes, especially the information concerning the expansion behaviour and the fixing in place. Depending on the weather situation, the membranes can require a certain amount of time for their final and even



pressing against the flanks of the joints. Tightness inspections should therefore only be carried out four weeks after they have been professionally installed at the earliest.

Sizing

Product	Joint Depth	Joint Width*	
		Minimum	Maximum
56/4-9	2 3/16" (56 mm)		
64/4-9	2 1/2" (64 mm)		
74/4-9	2 7/8" (74 mm)	5/32" (4 mm)	3/8" (9 mm)
84/4-9	3 1/4" (84mm)		
94/4-9	3 5/8" (94mm)		
56/6-15	2 3/16" (56 mm)		
64/6-15	2 1/2" (64 mm)		
74/6-15	2 7/8" (74 mm)	1/4" (6 mm)	9/16" (15 mm)
84/6-15	3 1/4" (84mm)		
94/6-15	3 5/8" (94mm)		
56/10-20	2 3/16" (56 mm)		
64/10-20	2 1/2" (64 mm)		
74/10-20	2 7/8" (74 mm)	3/8" (10 mm)	3/4" (20 mm)
84/10-20	3 1/4" (84mm)		
94/10-20	3 5/8" (94mm)		
56/15-30	2 3/16" (56 mm)		
64/15-30	2 1/2" (64 mm)		
74/15-30	2 7/8" (74 mm)	9/16" (15 mm)	1 5/32" (30 mm)
84/15-30	3 1/4" (84mm)		
94/15-30	3 5/8" (94mm)		

* Tested according to DIN 18542.2020 on driving rain tightness and air tightness, fire behaviour by MPA Hannover, Germany.

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Technical Data

Color		black with functional membranes
Stress group	DIN 18542:2020	MF2: consists of air tightness, water tightness, inflammability, temperature-, UV- and humidity-resistance, vapor diffusion, compatibility to adjoining materials, resistance to humidity and condensate, thermal conductivity.
Fire testing	EN 13501	Class E (normal flammability – basic fire safety)
Air tightness	ASTM E 283	0.09 l/sm (300 Pa) (0.06 cfm/ft (7.5 psf)) 0.04 l/sm (75 Pa) (0.025 cfm/ft (1.57 psf))
Resistance to water penetration	EN 1027 ASTM E 331/E 547	>22 psf ≥ 750 Pa (15.5 psf)
Vapor diffusion	ISO 12572	adaptive to humidity $\mu=10-44$
Thermal conductance	EN 12667/ISO 8301	$\lambda = 0.0428 \text{ W/mK}$ (0.297 Btu*in/(h*ft²+F) R-value 1" tape = 3.308 h*ft²*F/Btu R-value 2" tape = 6.616 h*ft²*F/Btu R-value 3" tape = 9.924 h*ft²*F/Btu
Joint noise insulation RST,ω	ift SC-01/2:2002-09	57 dB
Compatibility with building materials	DIN 18542:2020	Passed: no bleeding, no corrosion, no staining, no discoloration.
Resistance to humidity	DIN 18542/ISO 2440	Passed: the function is not affected.
Emmissions	EMICODE® ISO 16000	EC1 ^{Plus} , very low VOC <5 TVOC [µg/m³]
Shelf life:		12 months from date of production.

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.

Environment and disposal

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

Safety

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**.

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