

Hannoband®-3E Eco



Product Description

Hannoband®-3E Eco is a pre-compressed and impregnated multi-functional joint sealing tape made of polyurethane soft foam with acrylic dispersion impregnation and moisture-adaptive functional membranes. Pre-compressed rolls with acrylic adhesive as an assembly aid. For sealing all functional areas in window joint sealing with one product. The tape meets all requirements for airtight and driving rain resistant sealing.

Product Properties

- DIN 18542:2020 MF2
- DIN EN 13501 Class E
- DIN EN 1027 driving rain tight >600Pa
- DIN EN 12114/EN 1026 airtight a-Value <0.1
- EMICODE®-EC1 PLUS Very Low Emission Plus

Applications

Hannoband®-3E Eco can be used to seal the window joint. Due to the various band widths and band thicknesses, a wide range of joint widths and window profile thicknesses can be sealed.

Hannoband®-3E Eco is not permanently weather resistant and is intended for concealed applications. Use a tape of stress group 1 tested according to DIN 18542 : --> Hannoband®-BG1.

Form of Delivery

- Pre-compressed on rolls
- self adhesive
- moisture-adaptive functional membranes
- two colored: grey=inside, anthracite=outside

Dimensions*	Joint depth [mm] (tF)*	Application range [mm]	
		Min (bmin)	Max (bmax)
56/4-9	56	4	9
64/4-9	64		
74/4-9	74		
84/4-9	84		
94/4-9	94		
56/6-15	56	6	15
64/6-15	64		
74/6-15	74		
84/6-15	84		
94/6-15	94		
56/10-20	56	10	20
64/10-20	64		
74/10-20	74		
84/10-20	84		
94/10-20	94		
56/15-30	56	15	30
64/15-30	64		
74/15-30	74		
84/15-30	84		
94/15-30	94		

*Additional cutting widths/joint depths available upon request

Processing

Note our assembly instructions, which are included in every box, especially the information on lifting behavior and fastening. The membranes may take some time to achieve their final and uniform pressure on the joint flanks, depending on weather conditions.



Technical Data

Property	Standard	Value
Color	-	Grey/anthracite = Inside/outside, with functional membrane
Stress group	DIN 18542:2020	MF2, MPA*
Fire behavior	DIN EN 13501-1	E, MPA*
Air tightness	DIN EN 12114	$a_n < 0,1 \text{ m}^3/[\text{h m}(\text{daPa})^{2/3}]$, MPA*
Driving rain tightness	DIN EN 1027	$\geq 600 \text{ Pa}$, MPA*
Thermal conductivity	DIN 18542:2020	$\lambda = 0,0389 \text{ W}/(\text{m K})$, MPA*
Joint sound insulation value $R_{s,w}$	DIN EN ISO 10140-1 /-2 DIN EN ISO 717-1	53 dB, ift*
Water vapor diffusion resistance	DIN EN ISO 12572	Inside tighter than outside, MPA*
Compatibility with adjacent building materials	DIN 18542:2020	Erüllt, MPA*
Temperature resistance	DIN 18542:2020	-20 °C bis + 60°C, MPA*
Emissions	EMICODE®	EC1Plus, GEV*
Processing temperature	-	+5°C bis +30°C. Ab +20°C Band vorkühlen, bei niedrigen Temperaturen gegebenenfalls vorwärmen.
Shelf Life	-	12 months from date of production, dry, at room temperature in the original packaging.

* MPA: Materialprüfanstalt für das Bauwesen, Hannover; ift: ift Rosenheim; GEV: Gemeinschaft Emissionskontrollierte Verlegetwerkstoffe, Klebstoffe und Bauprodukte e.V.

Special Instructions

Follow our assembly instructions, especially the information on lifting behavior and fastening. The membranes require some time to achieve their final and uniform pressure on the joint edges, depending on weather conditions. Leakage tests should therefore only be carried out four weeks after proper installation.

Partially weather-resistant during installation (3 months). Do not expose to permanent outdoor weathering.

Cleaning

Skin cleaning with water and soap. Removal of impregnation or adhesive residues is possible with a solvent-based cleaner. Please observe safety regulations.

Environment, Disposal and Safety

Based on existing data and experience, the product is not classified as a hazardous substance under the Hazardous Substances Regulation and corresponding EC directives. However, we recommend observing the usual care and hygiene practices for handling chemical substances. Residues can be disposed of with household waste. Local regulations must be observed.

The product complies with the following directives, or meets the required application restrictions: 1907/2006 (REACH), 2011/65 (RoHS2), 2015/863 (RoHS3), 2019/1021 (POP), 517/2014 (Greenhouse Gases), 2024/590 (Ozone Layer Depletion).

Limitation of liability

Our general terms and conditions of sale with warranty conditions, which you can refer to at www.hanno.com, apply. This datasheet provides non-binding information without guarantee. The stipulated instructions for use are to be adapted to the respective conditions. The user is obligated to check the suitability and applicability through their own testing in order to avoid failures for which we assume no liability. Subject to technical changes. In case of discrepancies, the German version shall prevail.

You can request the latest version of this datasheet at info@hanno.com.

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