

EGOFERM WITH FLEECE WINDOW CONNECTION TAPE

is a self-adhesive, non-shrinking, thermoplastic, butyl rubber-based sealing tape, non-detachably laminated with a synthetic fabric for reinforcement and limitation of surface tack. Due to the fact that the fabric can be plastered and painted over, the sealing tape is ideally suited as an invisible sealant in masonry that has been plastered over, especially in the window connection area.

CHARACTERISTICS

This combination results in optimal product properties:

ageing- and long-term-resistant · bitumen-free · easy processing · good adhesion and compatibility with most known materials · has an insulating effect · high water vapour diffusion impermeability · immediately functional · mechanical armouring · noise-insulating · non-corrosive · non-shrinking · odourless · physiologically harmless · plastic · self-adhesive on one side · solvent-free · water-proof · water-resistant · when used properly and professionally, EGO Butyl has an almost unlimited service life

APPLICATION AREAS

EGOFERM MIT VLIES is suitable for plastered or clad sealing of window and wall connections, chimney flashings, sheet metal joints, connection joints on canopies and in sanitary areas. Furthermore, the sealing tape is suitable for sealing roof, greenhouse and shed roof glazing. Basically, the sealing tape is suitable for universal sealing of wall, roof, parapet and connection constructions. The sealing tape should be painted over, plastered over or clad.

Areas of application:

attic · canopies · chimney · connecting constructions · greenhouse · roof · sanitary · shed roof · sheet metal joints · wall connection window connection

APPLICATION NOTES

The bonding surfaces must be dry, stable, free of dust and de-bonding agents. On porous substrates such as concrete, plaster, etc., adhesion can be increased by pre-treatment with EGO BUTYLPRIMER PRO or EGO BUTYLPRIMER ECO [solvent-free]. For increased adhesion, please refer to the primer table. The adhesion build-up on the substrate is purely physical and can be improved by pressing or rolling on the substrate or increases again automatically over time. The temperature behaviour is typically thermoplastic, i.e. with increasing temperature, a higher stickiness with simultaneously softer material consistency is achieved. Cross laying in the roof area should be avoided as there is a risk of being pushed off by snow and ice loads. The adhesive surface of the sealing tape must be at least 20 mm on both sides of the joint [gap] for joint overlays on smooth, non-absorbent substrates and at least 30 mm on porous, absorbent substrates. Adhesive zone can be plastered over up to approx. 30 mm with a max. thickness of up to 8 mm [do not plaster over the movement zone]. In case of overlapping joints of the tapes, pre-treat the fabric contact surface with EGO BUTYLPRIMER PRO. In case of open weathering, the fabric must be painted/plastered over or covered/clad - permanent, open weathering is not recommended. Simply dab off butyl residues on the substrates or tools with butyl. Impurities that are difficult to dissolve can be removed mechanically, e.g. with a sharp knife moistened with water, and are best dissolved with cleaning petrol.

Compatibility with other building materials is only guaranteed with the EGO products recommended for this.

Post-treatment: Can be painted over with zinc dust or emulsion paint.

Our list of material properties provides you with an overview of all the necessary information and a detailed comparison of our EGO butyl products.

NORMS AND TESTS

EGOFERM WITH FLEECE corresponds to the:

IVD-Instruction-Sheets:

- No. 3-2, 5, 9, 19-1, 19-2, 24, 25, 29, 31, 35

Compatibility:

- with bitumen in accordance with DIN EN 1548

The following tests were achieved by EGOFERM WITH FLEECE:

Test report concerning the products properties:

- before and after the immersion in pig and chicken manure

SUSTAINABILITY

VOC emission according to:

- EMICODE EC1^{plus}
- AgBB
- French VOC Class A+ and CMR-Regulation

BMS product verifications:

- LEED Building Design and Construction V4 [2015]
- BNB BN 2015 [quality level 5/5]
- BREEAM International New Construction 2016
- DGNB New Buildings 2018 [quality level 4/4]

Listing in the DGNB-Navigator:

- EGOFERM WITH FLEECE is listed in the DGNB Navigator

Material requirements for QNG / Quality Seal for Sustainable Buildings:

- Adhesives and sealants in interior rooms incl. TGA according to BNB_BN_11.6, Annex 1, Item 8 and QNG-313, Items 4.1, 4.2
- Adhesives and sealants for creating the airtightness of the façade in accordance with BNB_BN_11.6, Annex 1, Item 9 and QNG-313, Item 4.3

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SUSTAINABILITY



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)

TECHNICAL DATA

Product-Properties	Result	in accordance with
Material Basis butyl	butyl rubber, polyisobutylene [PIB]	
Material Basis fleece	synthetic random fleece	
Application Temperature	+5°C to +30°C	
Service Temperature	-40°C to +100°C	
Viscosity	stable	DIN EN ISO 7390
Solids Content	> 99 %	DIN EN ISO 10563
μ Value	approx. 766000	DIN EN ISO 12572
Sd Value	Sd = μ x d	d = tape thickness in [m]
Building material class	B2, normal flammability	DIN 4102

Butyl-Properties	Result	in accordance with
Density	approx. 1.2 g/cm ³	DIN EN ISO 1183-1
Shore Hardness 00	approx. 55	DIN EN ISO 868
Compressive Strength	> 0.10 N/mm ²	LAB-01 [based on NF P30-303]
Peel strength	approx. 80 N/25mm*	LAB-06 [based on DIN EN 29862]
Penetration butyl [150g, 23°C, 5 sec]	approx. 57 [0.1mm]* Butyl 30x30mm	DIN 51580
UV, weather and long-term resistance of butyl [after 1000 hrs]	very good no crack formation no breaking no reduction of the tack	DIN EN ISO 4892-2:2013
Bending resistance of butyl [after 100 hrs at +90°C & 5 hrs at -30°C]	No crack formation No breaking	

*Average values, not intended for specification

AVAILABILITY AND STORAGE

Standard Color Butyl	grey			
Standard Color Fleece	white			
Standard Dimensions	Thickness x Width	Meters/Roll	Rolls/Box	Meters/Box
	2,0 x 50 mm	18	6	108
	2,0 x 60 mm	18	6	108
	2,0 x 100 mm	18	2	36
	2,0 x 120 mm	18	2	36
	3,0 x 60 mm	12	6	72
	3,0 x 80 mm	12	4	48
	3,0 x 100 mm	12	2	24
	3,0 x 120 mm	12	2	24
	3,0 x 150 mm	12	2	24

Special sizes on request.

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AVAILABILITY AND STORAGE

Storage

Rolls can be stored horizontally, dry and protected from dust:
■ 24 months [at +20 °C]
Protect against mechanical damage.

Dimensional Tolerances

in width ± 2.0 mm
in thickness ± 0.3 mm

SAFETY INFORMATION

Complies with

Regulation [EC] No 1907/2006 [REACH]

Not hazardous according to

Regulation [EC] No 1272/2008 [CLP]

Not subject to labeling according to

Regulation [EC] No 1272/2008 [CLP]

Safety instructions

see SDS

Disposal instructions

see SDS

For warnings see EC safety data sheet. The above information is the result of thorough research; previous information is hereby invalidated. Check for yourself whether the product is suitable for your purposes. Our possible liability is limited to the value of our product as such. We cannot accept any liability for indirect damage, in particular for the use or unusability of the product. No one is authorized to make recommendations or assurances on our behalf that go beyond the content of our information sheets.