

EGOTAPE 3000 ALUMINIUM FIXING TAPE

is a self-adhesive, thermoplastic, butyl rubber-based sealing tape, which is non-detachably laminated with a perforated aluminium foil siliconized on one side. This one-sided siliconization eliminates the need for a liner in this product and enables fast processing and avoids waste. The lamination consists of a tear-resistant aluminium foil that is permanently bonded to the butyl. The aluminium fixing tape offers high radon and water vapour diffusion impermeability. In addition, it can be used as a universal sealing tape and as repair tape.

CHARACTERISTICS

This combination results in optimal product properties:

bitumen-compatible · bitumen-free · easy processing without liner · good adhesion and compatibility with most known materials · has an insulating effect · high water vapour diffusion impermeability · immediately functional even without primer · mechanical armouring no bimetal effect · noise-insulating · non-corrosive · non-shrinking · odourless · physiologically harmless · plastic · resistant to ageing, weathering, UV and long-term use · self-adhesive on one side · smooth aluminium coloured foil surface · solvent-free · water-proof · water-resistant · when used properly and professionally, EGO Butyl has an almost unlimited service life

APPLICATION AREAS

EGOTAPE 3000 is suitable for simple and permanent sealing of construction and connection joints. The aluminium fixing tape does not have a liner and therefore enables faster application of the sealing tape. However, due to the siliconized aluminium coating, no adhesion occurs between the butyl and the aluminium coating in case of cross-overlapping of the tapes.

Areas of application:

concrete construction · connections between canopy & masonry · connections to windows & doors · conservatories · greenhouses prefabricated concrete construction · roof openings · skylight domes

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. The necessary pressure is applied with a pressure roller. Avoid folds and creases and roll out with care. 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.

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

EGOTAPE 3000 corresponds to the:

IVD Instruction Sheets:

- No. 5, 19-1, 19-2, 25, 29, 31

Compatibility:

- with bitumen in accordance with DIN EN 1548

SUSTAINABILITY

VOC emission according to:

- EMICODE EC¹plus
- 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:

- EGOTAPE 3000 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_1.1.6, 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_1.1.6, Annex 1, Item 9 and QNG-313, Item 4.3



*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)

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TECHNICAL DATA

Product-Properties	Result	in accordance with
Material Basis sealant	butyl rubber, polyisobutylene [PIB]	
Material Basis film	aluminium/plastic composite film siliconized on one side	
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. 1200000	DIN EN ISO 12572
Sd-Value	Sd = μ x d	d = tape thickness in [m]

Butyleigenschaften	Result	in accordance with
Density	approx. 1.4 g/cm ³	DIN EN ISO 1183-1
Shore Hardness 00	approx. 45	DIN EN ISO 868
Compressive Strength	> 0.08 N/mm ²	LAB-01 [based on NF P30-303]
Penetration butyl [150g, 23 °C, 5sec]	approx. 70 [0.1mm]* Butyl 30x30mm	DIN 51580
Peel strength butyl	approx. 45 N/25mm*	LAB-06 [based on DIN EN 29862]
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	
Building material class	B2, normal flammability Euro class E	DIN 4102 EN 13501-1

*Average values, not intended for specification

AVAILABILITY AND STORAGE

Standard Color Butyl	grey			
Standard Color Film	grey			
Standard Dimensions	Thickness x Width	Meters/Roll	Rolls/Box	Meters/Box
	1,0 x 40 mm	30	8	240
	1,0 x 50 mm	30	6	180
	1,0 x 60 mm	30	6	180
	1,0 x 80 mm	30	4	120
	1,0 x 100 mm	30	2	60
	<ul style="list-style-type: none"> ■ Special sizes on request ■ EGOTAPE 3000 is particularly suited for the production of narrow dimensions. 			
Storage	Rolls can be stored horizontally, dry and protected from dust: <ul style="list-style-type: none"> ■ 24 months [at +20 °C] Protect against mechanical damage.			

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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.