

EGOFERM

is a double-sided self-adhesive sealing tape which works straight away without any waiting time, and which is characterised by its simple, straightforward application. **EGOFERM** is a non-shrinking, thermoplastic, butyl rubber-based sealing tape and also available as a round profile. Its properties and components make **EGOFERM** excellently suited to “sustainable building”, and it promises a long-lasting seal.

PROPERTIES

EGOFERM's excellent properties mean that it can be used in all applications:

-  easy manual application
-  immediately functional
-  permanently self-adhesive
-  solvent-free
-  bitumen-free
-  odourless
-  physiologically harmless
-  bitumen-compatible
-  non-corrosive
-  plastic
-  self-sealing
-  non-shrinking
-  noise-insulating
-  has an insulating effect
-  waterproof
-  water-resistant
-  high water vapour diffusion impermeability
-  non-ageing
-  weather-resistant
-  UV-resistant
-  long-lasting resistance
-  good adhesion and compatibility with most known materials
-  fulfils the requirements according to IVD Leaflet No. 5
-  when used properly and professionally, EGO Butyl has an almost unlimited service life.

TYPICAL USES

For sealing and fixing in the industrial and building sectors, such as metal construction, device construction, vehicle construction, shipbuilding, air conditioning, ventilation, refrigeration, concrete construction, precast concrete part construction, sanitary sector, electrical installation, caravans, container construction, furniture construction, interior design, kitchens, bathrooms, silo technology and for roofing and facade construction. For overlapping and protective sealing tasks on connections, joints, seams, wrapping, breakthroughs and butt joints, as well as for extensive repair tasks both indoors and outdoors. **EGOFERM** can be used as corrosion protection between metal materials or as vibration or noise insulation. Mechanical protection is required in cases where forces are transmitted.

APPLICATION

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 and increases again over time. The temperature behaviour is typically thermoplastic, i.e. with increasing temperature, a higher stickiness and softer material consistency is achieved. Especially when it comes to automatic unwinding processes, we recommend a processing temperature of approx. 20°C. **EGOFERM** is self-sealing and bonds very well with itself if you just lightly press on it with your finger. It is only possible to separate it again by cutting. To do this, you must first wet a sharp knife with water. If sufficient pressure is required with minimal movement of the surfaces to be bonded, the seal is retained (effect of the flexible seal). A constant load of pressure on the **EGOFERM** causes it to deform between the sealed surfaces. Pressing together the sealed surfaces guarantees a perfect seal, and balances out any unevenness between the bonded surfaces. Round profiles and higher processing temperatures make it easier to press into the final dimensions, which is ensured thanks to the corresponding spacers. Complete compression of the butyl sealant can be ensured with permanent spacing (e.g. **EGOBON 212** with core; **FIX SPACER 2.3** mm).

Simply dab off butyl residues on the substrates or tools with **EGOFERM**. 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



*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)

Meets Requirements of IVD Instruction Sheets No. [3-2](#), [5](#), [9](#), [19-1](#), [19-2](#), [24](#), [25](#), [29](#), [31](#), [35](#)
 VOC emission according to
 - EMICODE EC1 Plus
 - AgBB
 - French VOC Class A+ and CMR-Regulation
 Compatibility with bitumen in accordance with DIN EN 1548
 Rainproof – ift Rosenheim
 Aging resistance – SKZ Würzburg

Building Material Class Euroclass E, DIN EN 13501

TECHNICAL DATA

Properties	Result	In accordance with
Material Basis	butyl rubber, polyisobutylene (PIB)	
Density	approx. 1,2 g/cm ³	DIN EN ISO 1183-1
Application Temperature	+5 °C to +30 °C	
Service Temperature	-40°C to +100°C for short periods up to + 180 °C (stove-enamel)	
Shore Hardness 00	approx. 55	DIN EN ISO 868
Penetration butyl (150g, 23°C, 5sec)	approx. 57 (0.1 mm) * Butyl 30x30 mm	DIN 51580
Compressive Strength	> 0,10 N/mm ²	DTU 39.4
Peel strength butyl (stainless steel, 180°)	approx 80 N/25 mm *	DIN EN 1939
UV, weather and long-term resistance (after 1000 hours)	very good no crack formation no breaking no reduction of the tack	DIN EN ISO 4892-2:2013
UV resistance (after 200 hours of UV radiation)	very good no crack formation no breaking no reduction of the tack	

*Average values, not intended for specification



Qualitäts-
Produkte

TECHNICAL DATA

Properties	Result	In accordance with
Bending resistance of butyl (after 100 hrs at +90°C and 5 hrs at -30°C)	No crack formation No breaking	
Viscosity	non-sag	DIN EN ISO 7390
Solids Content	> 99 %	DIN EN ISO 10563
Ignition Temperature	> 400°C	DIN 51794
Building material class	B2, normal flammability Euro class E	DIN 4102 EN 13501-1

*Average values, not intended for specification

AVAILABILITY AND STORAGE

Standard Colour	grey			
Standard Dimensions	Thickness x Width	Meters/ Roll	Rolls /Box	Meters /Box
	3mm rund	12	30	360
	4mm rund	10	30	300
	5mm rund	9	22	198
	6mm rund	7	11	154
	8mm rund	6	18	108
	1 x 6 mm	30	22	660
	2 x 8 mm	18	22	396
	2 x10 mm	18	22	396
	2 x 15mm	18	18	324
	2 x20mm	18	14	252
	3 x10mm	12	22	264
	3 x15mm	12	18	216
	3 x20mm	12	14	168
	3 x30mm	12	10	120
	Special sizes on request.			
Storage	24 months at + 20 °C Store rolls horizontally, in dry conditions and protected from dust. Protect against mechanical damage.			





Qualitäts-
Produkte

DIMENSIONAL TOLERANCES

Dimension	Tolerances flat profiles		Tolerances round profiles
2 mm – 4 mm Ø			± 0,3 mm
5 mm - 15 mm Ø			± 0,5 mm
20 mm – 27 mm Ø			± 1,0 mm
28 mm – 30 mm Ø			± 3,0 mm
1 - 4 mm x 6 - 10 mm	± 0,5 mm	± 0,2 mm	
1 - 4 mm x 12 - 50 mm	± 1,0 mm	± 0,2 mm	

SAFETY INSTRUCTIONS

Meets Requirements of	REACH Regulation (EC) No. 1907/2006
Not hazardous	according to EC No. 1272/2008 (CLP)
Not subject to Labelling	according to EC No. 1272/2008 (CLP)
Safety Guidelines	see EC safety data sheet
Disposal	see EC safety data sheet

Precautions see EC Security Data Sheet. The above specifications are the result of careful research and development. All previous specifications are hereby null and void. Users are themselves responsible for ensuring the suitability of the product for the purpose intended, liability on the part of EGO being limited to the purchase price of the material. EGO cannot accept liability for damage, in particular that caused by the use of the product or its unsuitability, nor can EGO accept responsibility for unauthorized recommendations or guarantees which deviate from or exceed the specifications given in this product data sheet.

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Technical data sheet EGOFORM

Version 04/23



Member of the Bundesinnungsverband des Glaserhandwerks



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Member of the Institut für Fenstertechnik e. V. Rosenheim



ISO 9001:2015



ISO 14001:2015