















EGOPOL


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

PROPERTIES

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

-  easy application
-  immediately functional
-  permanently self-adhesive
-  solvent-free
-  bitumen-free
-  physiologically harmless
-  odourless
-  non-corrosive
-  plastic
-  self-sealing
-  non-shrinking
-  noise-insulating
-  has an insulating effect
-  waterproof
-  water-resistant
-  bitumen-compatible
-  high water vapour diffusion impermeability
-  resistant to ageing, weathering, UV and long-term
-  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.

Adhesion to the substrate is purely physical, may be improved by firmly pressing or rolling the tape onto the substrate and increases once again with time. The product's temperature behaviour is typically thermoplastic, i. e. it becomes softer and its surface tack increases with rising temperature. We therefore recommend an application temperature of about 20 °C.

EGOPOL is the marked-oriented supplementary product to the **EGOFERM** and **EGOBON** sealing tape range. It features no migration in water and is certified by the Süddeutsche Kunststoffzentrum Würzburg with regard to its suitability for tropical climates and for sealing fibre cement boards **EGOPOL** moreover has the quality certificate „Label Façade“  of the SFJF (Syndicat Français des Joints et Façades, Paris).

TYPICAL USES

For sealing between components made of concrete, wood, fibre cement, corrugated sheet, fibre-reinforced polyester etc. In general, **EGOPOL** is suitable for overlapping and protective sealing tasks on joints, connections, seams, wrapping, breakthroughs and butt joints, as well as for extensive repair tasks both indoors and outdoors. In addition to the temporary fixing aid without transmission of mechanical forces, the product is also suitable for use as corrosion protection between metal materials or for vibration and 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 Adhesive** or **EGO Adhesive LF** (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. **EGOPOL** 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 achieved 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 **EGOPOL** 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 **EGOPOL**. 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. [5](#), [19-1](#), [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

Test report of the Süddeutschen Kunststoffzentrums with regard to the product's suitability for sealing fibre-cement boards

In accordance with EC Regulation No.1935/2004 article 3 with regard to the product's immersion in water

TECHNICAL DATA

Properties	Result	In accordance with
Material Basis	butyl rubber, polyisobutylene (PIB)	
Density	approx. 1,9 g/cm ³	DIN EN ISO 1183-1
Application Temperature	+5 °C to +30 °C	
Service Temperature	-40°C to +100°C	
Shore Hardness 00	approx. 50 approx. 65 (Reels)	DIN EN ISO 868
Penetration butyl (150g, 23°C, 5sec)	approx. 54 (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 25 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



Member of the Bundesinnungsverband des Glaserhandwerks



Member of the Industrieverband Dichtstoffe e. V. (IVD)



Member of the Institut für Fenstertechnik e. V. Rosenheim



ISO 9001:2015



ISO 14001:2015

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	DIN 4102

*Average values, not intended for specification

AVAILABILITY AND STORAGE

Standard Colour	grey			
Standard Dimensions	Dimension	Meters / Roll	Rolls / Box	Rolls / Box
	8 mm Ø	6	22	132
	20 mm Ø	3	12	36
Storage	36 months at + 20 °C Store rolls horizontally, in dry conditions and protected from dust. Protect against mechanical damage.			
Dimensional Tolerances	± 0,5 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.