

EGOBUTYL 240 CAR/ISO TAPE

is a self-adhesive sealant based on butyl rubber used for packing, insulating and sealing electrical components. The EGOBUTYL 240 can be used as a conventional sealing tape or as a round cord. In addition, pre-made PADS are suitable as dimensionally accurate sealing elements for control units and switch cabinets.

CHARACTERISTICS

EGOBUTYL 240 is characterised by the following outstanding properties:

bitumen-compatible · bitumen-free · good adhesion and compatibility with most known materials · has an insulating effect high insulation value · high water vapour diffusion impermeability · noise-insulating · non-corrosive · non-shrinking · odourless permanently insulating · permanently sealing · physiologically harmless · plastic · ready for immediate use · resistant to ageing, weathering, UV and long-term exposure · self-sealing waterproof · solvent-free · water-resistant · when used properly and professionally, EGO Butyl has an almost unlimited service life

APPLICATION AREAS

EGOBUTYL 240 is suitable for sealing and fixing in industrial and electrical areas such as switch cabinets, control units. The decoupling of units is an essential component of the function of the sealing compound. Mechanical protection is required in cases where forces are transmitted.

Areas of application:

air conditioning technology · appliance construction · automotive · cable bushings · cable closures · caravan · control units cookers · dishwashers · electrical appliances · ovens · refrigeration technology · refrigerators · shipbuilding · sockets · switch cabinets · vehicle construction · ventilation technology

APPLICATION NOTES

The bonding surfaces must be dry, stable, free of dust and de-bonding agents. EGOBUTYL 240 has good adhesion to all known building materials [including bitumen]. 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. EGOBUTYL 240 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. Simply dab off butyl residues on the substrates or tools with the EGOBUTYL 240. 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

EGOBUTYL 240 corresponds to the:

IVD Instruction Sheets:

- No. 5, 25, 29

Compatibility:

- with bitumen in accordance with DIN EN 1548

The following tests were achieved by EGOBUTYL 240:

Test report:

- Dielectric strength acc. to DIN EN 60243-1

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]

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)

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	
Shore Hardness 00	approx. 55	DIN EN ISO 868
Penetration butyl [150g, 23°C, 5sec]	approx. 45 [0.1 mm]* Butyl 30x30mm	DIN 51580
Compressive Strength	> 0.15 N/mm ²	LAB-01 [based on NF P30-303]
Peel strength butyl	approx. 75 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
UV resistance [after 200 hours of UV radiation]	very good no crack formation no breaking no reduction of the tack	
Bending resistance of butyl [after 100 hrs at +90°C & 5 hrs at -30°C]	No crack formation No breaking	
Viscosity	stable	DIN EN ISO 7390
Solids Content	> 99 %	DIN EN ISO 10563
Ignition Temperature	> 400 °C	DIN 51794
Breakdown voltage	32 kV	DIN EN IEC 60243-1
Dielectric Strength	17,3 kV/mm	DIN EN IEC 60243-1
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	black			
Standard Dimensions	Thickness x Width	Meters/Roll	Rolls/Box	Meters/Box
	1,0 x 40 mm	10	15	150
	Special sizes on request.			
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.			

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.