

Product Description

EGOFERM is a self-adhesive, high quality butyl rubber based sealant extruded as sealing tape in e. g. rectangular profiles (in thickness from 0.5 to 40 mm, in width from 3 to 400 mm and up to a length of 200 m) or in circular profiles (up to 80 mm diameter). Supplied on silicone release paper or film. EGOFERM is suited for a wide range of applications and features excellent properties such as

- permanent bond
- immediate performance
- free from solvents and bitumen
- physiologically harmless
- sound-absorbing
- non-corrosive
- high insulation value
- self-welding
- easy to install
- non-shrinking
- environment-friendly
- odourless
- plastic
- water resistant and waterproof
- high water vapour resistance
- resistant to ageing, weathering and UV-radiation
- good adhesion to and good compatibility with most common building materials
- for general information concerning butyl sealants please refer to IVD Instruction Sheet No. 5 (IVD = German Sealant Manufacturer's Association)

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, in particular in case of an automatic unwinding of the rolls.

Typical Uses

For sealings and fixations without the transmission of mechanical forces in the industrial and construction sectors such as metal construction, apparatus engineering, vehicle construction, ship and boat building, roof construction, concrete construction and precast concrete, façade engineering, refrigeration and air conditioning, ventilation technology, sanitary and electrical installations, caravan construction, container manufacture, furniture and interior construction, kitchens and bathrooms as well as silo technology and similar applications. Generally suited for overlapping and protecting seals of connections, joints, seams, wraps, penetrations as well as for extensive internal and external repair work. EGOFERM is also suited as corrosion protection between metallic materials and as sound and vibration insulation.

Application

Adhesion surfaces must be dry, sound and free from dust and grease. Sufficient pressure applied and only slightly shifting substrates ensure a durable seal (effect of the sliding seal). A constant pressure load on EGOFERM leads to the deformation of the product between the substrates to be sealed. Pressing the surfaces to be sealed together ensures a perfect seal and removes any unevennesses of the substrates. Circular profiles and higher application temperatures facilitate the compression of the tape to its final dimension which is to be ensured by using suitable spacers.

Compatibility is only guaranteed with other recommended EGO products. Our material properties charts provide an overview of all the necessary information and a detailed comparison of our EGO butyl products.

Technical Data

Material Basis	Butyl rubber	In accordance with
Density	Approx. 1.2 g/cm ³	DIN EN ISO 10563
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 53505
Compressive Strength	> 0.10 N/ mm ²	DTU 39.4
Viscosity	Non-sag	DIN EN ISO 7390
Solids Content	> 99 %	DIN EN ISO 10563
Ignition Temperature	> 400 °C	DIN 51794

Additional Information

Meets Requirements of	IVD Instruction Sheets No. 3-2, 5, 9, 19-1, 19-2, 24, 25, 29, 35
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Availability and Storage

Standard Colour	Grey				
Standard Dimensions	Thickness x Width	Meters/ Roll	Rolls/ Box	Meters/Box	
	1 x 6 mm	30	22	660	
	2 x 8 mm	18	22	396	
	2 x 10 mm	18	14	396	
	2 x 15 mm	18	18	324	
	2 x 20 mm	18	14	252	
	3 x 10 mm	12	22	264	
	3 x 15 mm	12	18	216	
	3 x 20 mm	12	14	168	
	3 x 30 mm	12	10	120	
	3 mm diam.	12	30	360	
	4 mm diam.	10	30	300	
	5 mm diam.	9	22	198	
	6 mm diam.	7	11	154	
	8 mm diam.	6	18	108	
	20 mm diam.	3	10	30	
	8 mm diam. with 3.2 mm shim				
	Special profiles on request.				

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 Directive 1999/45
Not subject to Labelling	According to EC Directives or the relevant national laws
Safety Guidelines	See EC safety data sheet
Disposal	See EC safety data sheet