



Knurów 20.03.2009

TECHNICAL DATA SHEET

Butyl tape B1/S2

PRODUCT DESCRIPTION

Insulating tape made from butyl caoutchouc laminated with polypropylene fleece, which reinforces the tape and reduces the viscosity. The adhesive side of the tape is covered with overlapping silicon coated paper.

APPLICATION

Suitable for indoor and outdoor applications. Sealing of wall, roof and structural joints, greenhouses, skylights and glazing. Sealing of skylights, chimney flashings, metal joints and other joints of glass, plastic or metal. Seals in the ventilation and sanitary facilities

PROPERTIES

Permanent plastic and permanent tacky
Vapor diffusion resistant
Aging and weather resistant
Good water resistance
Good water vapor tightness
Good adhesion to most substrates
Long-term stability
Solvent-free
No shrinkage

APPLICATION INSTRUCTIONS

The sealed surfaces must be dry, stable, and free of grease and dust. The processing temperature should not be below +10°C. Absorbent and porous substrates are to be pretreated with Butyl-/

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Bitumen primer. To get a good initial adhesion to the substrate, the tape should be pressed to the ground with a pressure roller.

PACKAGING

Width	Length	Rolls / box	Box / pallet	m / pallet
75 mm	20 m	1	150	3 000
100 mm	20 m	1	120	2 400

TECHNICAL DATA

Chemical basis:	synthetic rubber (base IIR / PIB)		
Butyl thickness	ca. 0,6 mm		
Colour:	butyl – gray;	fleece - white	
Density:	1,20 – 1,30 g/ml	(orienting to DIN EN ISO 2811-1)	
Penetration:	70 – 90 1/10mm	(orienting to DIN 51580)	
Melt index:	55 – 75 ml/10min	(orienting to DIN ISO 1133-1)	
Softening point:	> 160°C	(orienting to DIN 1238)	
Peel strength:	> 0,5 N/mm (cohesive) (orienting to DIN 8510-2)		
Tensile strength:	60 ± 10 % N/25	(widthwise - orienting to EN 14410)	
Tensile strength:	50 ± 5 % N/25	(lengthwise - orienting to EN 14410)	
Elongation at break:	2,0 ± 10 % MPa	(widthwise - orienting to EN 14410)	
Elongation at break:	1,0 ± 5 % MPa	(lengthwise - orienting to EN 14410)	
Water-tightness:	above 0,1 MPa	(orienting to EN-1928:2002)	
Sd-value	> 1500 m		
UV-resistance	temperate climate	max. 3 months	
Ozone resistance	resistant	ISO 1431-1B	50 pphm/24h, 38°C at 30 % stretch
Fire class	B2		

ADHESION

Very good to a variety of different materials. In contact with plastic materials a migration of plasticizer may occur - we recommend to carry out tests before application! Surfaces must be dry and mostly clean, free of dust, oil or grease.

STABILITY

From -30°C to 80°C temperature - and form stable. Butyl on the tape behaves thermoplastic: At low temperatures the hardness increases, at high temperatures the mass becomes softer and tackier. Good aging resistant, especially under warm and humid conditions. Stable against water and saltwater in the range of pH 5 – 9. Not resistant against oil, grease, white spirit and other solvents.



CLEANING

Remove main portions mechanically („dab off“).
Residuals can be cleaned with solvent or white spirit.

STORAGE

Store under dry conditions, protect against mechanical deformation. Shelf life at least 24 months.

SAFETY INSTRUCTIONS

Observe the standard hygienic precautions for chemical goods when working with butyl tapes: Do not eat, drink or smoke, avoid contact with eyes and skin, wash hands before breaks and after end of work . Contact with molten product will cause burns.

These instructions are designed to provide you with the best advice we can give based on our tests and experience. However, as a result of the large number of possible applications and the storage and application conditions which are beyond our control, we cannot offer a guarantee for the results of individual cases when using our products. We recommend that you carry out your own tests. Our technical and commercial advice service is available to you. With the publication of this data sheet all earlier versions are void

