

Technical Information

Butyl Tape DS (double-sided adhesive)



Product Description:

Double-sided cold-self-adhesive, flexible butyl adhesive tape made of synthetic rubber. It sticks extremely strong without warming and adapts optimal to the contour of the background. Butyl Tape DS is durable self-adhesive and self-welding, watertight and tight towards water vapour. A easily peelable covering foil or covering paper protects the butyl adhesive.

Butyl Tape DS has the following advantages:

- high flexibility
- high starting tack (sticks immediately)
- high long lasting adhesive force (high resistance towards peeling, shearing, pulling).

Application areas:

- sticking of materials without any long lasting mechanical stress
- sealing towards water and water vapour
- damping of vibrations between modules

Technical data:

Thickness	approx. 0.6 mm, 1.0 mm, 1.5 mm	
Colour	grey or black	
Solid body content	> 99 %	
Butyl adhesive stability under load at + 5 °C	≤ 3 mm	ISO 7390
Butyl adhesive stability under load at + 70 °C	≤ 3 mm	ISO 7390
Cold shock behaviour at – 30 °C	adhesive does not pull free	D 42 1313
Water vapour permeability	approx. 4 g / m ² / 24 h	NF T 30-018
Temperature resistance	- 30 °C to + 80 °C	
Processing temperature	+ 5 °C to + 35 °C	
Adhesive force on steel at 90 ° peel at 100 mm / min. / 23 °C	min. 2 N / cm	MEL 052

Processing notes:

The user must ensure that the adhesive is compatible with the subsurface in terms of adhesive strength, paint compatibility and chemical compatibility (perform own tests). The subsurface must be clean, dry and free of dust. Porous and absorbent subsurfaces must be pre-treated with **Multi Primer**. Pull off the cover paper from the layer of adhesive on the rear, and press the Butyl Tape DS down. Once fixed in place, continue pulling off the cover film / cover paper at the same time as continuing to press the product down hard to prevent the formation of air bubbles. To prevent any loss of adhesive strength, you must ensure that the Butyl Tape DS takes on the contours of the subsurface once fitted. After fitting, therefore, Butyl Tape DS must be pressed down hard into the subsurface (use a pressure roller). Butyl adhesive tapes are by their nature plastic and have no elastic characteristics. They are not suited for continuous heavy mechanical loads and cannot replace the use of assembly adhesives or mechanical fixings. The mechanical load that may be applied to butyl rubber adhesives reduces as the temperature increases. Adhesive tapes with butyl rubber adhesive are sensitive to solvents.

Storage:

12 months from date of manufacture in sealed original packaging at a maximum of 30 °C and protected against damp. The storage area must be properly ventilated. There is a tendency for the cover paper to adhere strongly to the butyl adhesive if the storage temperature exceeds 30 °C.

Safety:

Keep away from children. If in doubt, consult the safety data sheet.

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2010. Please request the latest version after Jan. 01, 2011.

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