

PRODUCT DATA SHEET

Sika® MultiSeal BT

HIGH TACK ELASTOMERIC BUTYL SEALING TAPE

DESCRIPTION

Sika® MultiSeal BT is a self-adhesive sealing tape based on a butyl rubber compound reinforced with an aluminium film. High tack butyl adhesive ensures reliable, durable long term bonding to a wide range of substrates in internal and external applications.

USES

The Sika® MultiSeal BT is used for repairing, protecting and sealing:

- Sheet metal roofs
- Facade elements
- Concrete roof tiles
- Gutters and down pipes in metal and PVC
- Chimneys and sky lights
- Caravans and containers
- Modular buildings and office containers
- Ductwork for ventilation and air condition
- Dampening and insulation

FEATURES

- Fast and easy installation
- Good adhesion at low temperatures
- Wide service temperature range
- Good adhesion to many construction materials
- Very good resistance to weathering and UV
- Very good dimensional stability
- Very good heat stability, no flow and oil migration
- Flexible
- High strength
- Can be painted with most conventional paints*

* Sika® MultiSeal BT can be overpainted with most conventional paint systems. However, paints must first be tested to ensure compatibility by carrying out preliminary trials.

PRODUCT INFORMATION

Composition	Butyl rubber compound		
Packaging	Length per roll	Tape width	Rolls per box
	10 m	100 mm	3
Colour	Grey		
Shelf life	36 months from date of production		
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.		
Density	~1.5g/cm ³	(ASTM D 792)	
Top surface	Aluminium foil		

Bottom surface	Self adhesive butyl rubber compound protected with a release liner	
Thickness	Including film 1.0 mm	(EN 1849-1)

TECHNICAL INFORMATION

Tensile strength	~ 120 (N/25mm)	(ASTM D 1000)
Elongation	~80%	(ASTM D 1000)
Resistance to UV exposure	The film provides UV resistance	
Service temperature	Maximum	+80 °C
	Minimum	-30 °C
Adhesion in peel	≥20 on steel (180° peel, N/25mm)	(ASTM D 1000)

APPLICATION INFORMATION

Ambient air temperature	Maximum	+45 °C
	Minimum	+5 °C
Substrate temperature	Maximum	+45 °C
	Minimum	+5 °C
Substrate moisture content	The substrates must be dry	

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS OF USE

Do not use on natural stone substrates.
 Due to the chemical content of the tape, coatings and plastics may discolour, test for compatibility prior to any use.
 Not suitable for sealing against water pressure.
 Not suitable as a permanent fixing and in load bearing applications.
 Not suitable for permanently immersed applications.

FURTHER DOCUMENTATION

Safet Data Sheet (SDS)

IMPORTANT CONSIDERATIONS

Butyl adhesives are sensitive to solvents, check for chemical compatibility before use.
 On porous substrates, water infiltration underneath the tape is possible which may affect adhesion. Thoroughly dry out substrates before applying the Product. Plasticiser migration from the Product may result in reduced adhesion, surface discolouration, or surface tackiness. Test the compatibility of the Product with the substrate before application.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, grease, cement laitance, old sealants and poorly bonded coatings which could affect adhesion of the tape. The substrate must be of sufficient strength to cope with the stresses induced by the tape during movement.
 For optimal adhesion, the following procedure is recommended.

NON-POROUS SUBSTRATES

Clean and pre-treat the substrate with Sika® Aktivator-205 applied with a clean towel. Allow a flash-off time > 10 min (max. 2 hours) before applying the tape.

POROUS SUBSTRATES

Use hot air to pre-heat concrete, aerated concrete and cementitious plasters, mortars and brick substrates to increase adhesion.

APPLICATION METHOD / TOOLS

Cut the tape to required length, remove the release liner and press the tape firmly onto the prepared substrate with a hard wheel roller or suitable tool. All joints and connections must be overlapped by a minimum of 50mm. Low temperatures can reduce adhesion, warm the tape and substrate using a hot air blower for a few minutes prior to application.

OVERPAINTING THE TAPE

The top aluminium film side of the Product can be overpainted with most conventional paint coating systems. Do not use solvent-based paints. Test the compatibility of the paint coating with the Product before application.

CLEANING OF EQUIPMENT

Clean all tools and application equipment immediately after use with petroleum or turpentine. Once cured, hardened material can only be removed mechanically. For cleaning skin use Sika® Cleaning Wipes-100 and wash with water and soap.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet

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