

PRODUCT DATA SHEET

Sika® MultiSeal BT

Highly adhesive butyl sealing tape

DESCRIPTION

Sika® MultiSeal BT is a self-adhesive sealing tape based on a butyl rubber compound reinforced with an aluminium film.

USES

The Product is used for repairing, protecting and sealing:

- Roofs including sheet metal work
- Facade elements
- Roof tiles
- Roof gutters
- Chimneys and roof lights
- Caravans and trailers
- Office containers
- Various types of ductwork

CHARACTERISTICS / ADVANTAGES

- Fast and easy installation using self-adhesive product
- Can be applied at low temperatures
- Wide service temperature range
- Good adhesion to many construction materials
- Very good resistance to weathering
- Very good dimensional stability under exposure to heat
- Very good resistance to permanent UV exposure
- Can be painted with most conventional paints

PRODUCT INFORMATION

Chemical base	Butyl rubber compound		
Packaging	Length per roll	Tape width	Rolls per box
	3 m	100 mm	12
	3 m	150 mm	8
	10 m	100 mm	3
	10 m	150 mm	2
Refer to the current price list for available packaging variations.			
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.		
Thickness	Including film 0.8 mm, 1.0 mm or 1.5 mm		(EN 1849-1)

TECHNICAL INFORMATION

Tensile strength	Longitudinally	$\geq 150 \text{ N/50 mm}$	(EN 12311-1)
	Transversally	$\geq 150 \text{ N/50 mm}$	
Elongation at break	Longitudinally	$\geq 10 \%$	(EN 12311-1)
	Transversally	$\geq 20 \%$	
Service temperature	Maximum	+90 °C	
	Minimum	-30 °C	
Resistance to UV exposure	The film provides the UV resistance		

APPLICATION INFORMATION

Ambient air temperature	Maximum	+40 °C
	Minimum	+5 °C
Substrate temperature	Maximum	+40 °C
	Minimum	+5 °C

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.

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 this 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

IMPORTANT

Discolouration of natural stone substrates, coatings and plastics

Due to the chemical content of the tape, coatings, plastics and natural stones may discolour.

1. Do not use on natural stone substrates.
2. Test plastic or coated substrates for compatibility prior to use.

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.

1. Use techniques such as wire brushing, grinding, grit blasting or other suitable mechanical tools to remove all weak substrate material.
2. Completely remove all dust, loose and friable material from all surfaces before application of the sealant. The Product generally has good adhesion without primers or activators to most dry, clean and sound substrates. Primer-600 can be used to improve adhesion. For optimal results, the following procedure must be carried out.

NON-POROUS SUBSTRATES

1. Clean and pre-treat the substrate with Sika® Aktivator-205 applied with a clean towel.
2. Allow a flash-off time > 15 min (max. 6 hours) before applying the tape.

POROUS SUBSTRATES

1. Pre-heat concrete, aerated concrete and cementitious plasters, mortars and brick substrates to increase the adhesion.

APPLICATION

IMPORTANT

Reduced adhesion due to damp substrates

On porous substrates, water infiltration underneath the tape is possible which may affect adhesion.

1. Thoroughly dry out substrates before applying the Product.

IMPORTANT

Reduced adhesion due to overhead application at temperature > +25 °C

When the tape is applied overhead in warm temperatures, the tape's adhesion may be reduced.

1. Do not use for overhead applications when the service temperature is > +25 °C.

IMPORTANT

Reduced adhesion due to water immersion or pressure

1. Do not use for applications permanently immersed in water or under water pressure.

IMPORTANT

Reduced adhesion, surface discolouration, or surface tackiness due to plasticiser migration

Plasticiser migration from the Product may result in reduced adhesion, surface discolouration, or surface tackiness.

1. Test the compatibility of the Product with the substrate before undertaking the project.

1. Cut the tape to the required length.

Note: Overlaps between cuts must be ≥ 50 mm.

2. Remove the release film and press the tape firmly onto the substrate with a hard-wheeled roller or suitable tool.

Application at low temperatures

Note: Low temperatures can reduce adhesion during application.

1. Warm the tape by handling it for a few minutes prior to application

2. Warm the substrate prior to application using a warm air blower.

OVERPAINTING THE TAPE

The top film side of the Product can be overpainted with most conventional water-based paint coating systems.

1. **IMPORTANT** Do not use solvent-based paints. Test the paint system with the Product before undertaking the project.

CLEANING OF TOOLS

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

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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