

PRODUCT DATA SHEET

Sika® MultiSeal BT

Highly adhesive Butyl Sealing Tape

PRODUCT DESCRIPTION

Sika® MultiSeal BT is a self-adhesive sealing tape made of a butyl rubber compound, protected by a reinforced aluminium metal film.

USES

Sealing and repairing against water penetration on:

- Roofs including sheet metal work
- Facades
- Broken roof tiles
- Leaking roof gutters
- Chimneys and roof lights
- Air conditioning piping
- Caravans and trailers
- Office containers
- Duct works

CHARACTERISTICS / ADVANTAGES

- Very easy to apply
- Cold-applied
- Self-adhesive
- Good adhesion to plastic, glass, steel, polycarbonate, wood and most other common building materials
- Very good adhesion at low temperatures
- Weatherproof
- Very good heat stability
- No flowing under heat
- No oil migration
- Resistant to tear, aging and UV
- Solvent free

APPROVALS / STANDARDS

Fire rating: E (EN 11925-2; EN 13501-1)

PRODUCT INFORMATION

Chemical Base	Butyl rubber compound		
Packaging	Length per roll	Tape width	Rolls per box
	3 m	100 mm	8
	3 m	150 mm	12
	10 m	100 mm	3
	10 m	150 mm	2
Appearance / Colour	Grey		
Shelf Life	12 months from date of production.		
Storage Conditions	The product must be stored stored in unopened, undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +5°C and +40°C.		
Density	1.4 g/cm ³		
Thickness	~1.0 mm (incl. aluminium foil)		

TECHNICAL INFORMATION

Tensile Strength	<u>Longitudinally:</u>	<u>≥150 N/50 mm</u>	(EN 12311-1)
	<u>Transversally:</u>	<u>≥150 N/50 mm</u>	
Elongation at Break	≥ 20 %		(EN 12311-1)
Adhesion in Peel	≥ 70 N (at 90°)		(ASTM D 1000)
Service Temperature	-30 °C min. / +90 °C max.		

APPLICATION INFORMATION

Ambient Air Temperature	0°C min / +40°C max. At temperatures below +5°C the tape and the substrate must be warmed before and during the application. Use hot air equipment.
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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 paint coatings which could affect adhesion of the adhesive / sealant. The substrate should be of sufficient strength to manage with the stresses induced by the tape during movement. Removal techniques such as wire brushing, grinding, sanding or other suitable mechanical tools can be used. All dust, loose and friable material must be completely removed from all surfaces before application of any activators, primers or tapes.

Sika® MultiSeal BT generally has strong adhesion without primers/activators to most dry, clean and sound substrates. For optimum the following procedure shall be followed:

Non porous substrates

Metals, plastics, coated surfaces and glazed tiles need to be cleaned and pre-treated with Sika®Aktivator-205 by using a clean towel. Before sealing allow a flash-off time > 15 min (max. 6 hours).

Porous substrates

Concrete, aerated concrete and cementitious plasters, mortars, brick, etc. need to be primed with a bituminous primer (e.g. SikaProof® Membrane) by using a brush. Before applying Sika® MultiSeal BT allow a flash-off time > 1 hour.

APPLICATION METHOD / TOOLS

Cut the tape to the required length, remove the release film and press the tape firmly onto the substrate with a suitable roller.

For overlapping, ≥ 5 cm is required.

Adhesion performance can be improved by heating Sika® MultiSeal BT tape during application.

CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with Sika® Remover-208. Once cured, hardened material can only be removed mechanically. For cleaning skin use Sika® Cleaning Wipes-100.

LIMITATIONS

- Do not use on natural stone.
- Not suitable for sealing against water pressure. For waterproofing applications with water pressure, contact your local Sika Technical department.
- Butyl adhesives are sensitive to solvents. Check chemical compatibility of the butyl adhesive with the substrate.
- Do not use for permanent fixing or in load bearing applications instead of an adhesive or mechanical fixing.
- On porous substrates, water infiltration underneath the Sika® MultiSeal BT is possible.

VALUE BASE

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

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

The product does not fall within the EC-regulation of hazardous goods.

As a result, a material safety data sheet following EC-Guideline 91/155 EWG is not needed to bring the product to the market, transport or use it.

The product does not damage the environment when used as specified.

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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