

PRODUCT DATA SHEET

Sika® MultiSeal

SELF-ADHESIVE BITUMINOUS SEALING TAPE

DESCRIPTION

Sika® MultiSeal is a self-adhesive bituminous sealing tape laminated with a metal film in aluminium or copper and reinforced by a polyester film on the upper side.

USES

Repairing, protecting and sealing applications:

- Roofs including sheet metal work
- Facades
- Broken roof tiles
- Leaking roof gutters
- Chimneys and roof lights
- Caravans and trailers
- Office containers
- Various types of ductwork

CHARACTERISTICS / ADVANTAGES

- Very easy to apply
- Can be applied at low temperatures
- Good adhesion to many common building materials
- Weather-proof
- Very good heat stability
- Resistant to UV exposure
- Self-adhesive
- Can be over-painted

PRODUCT INFORMATION

Composition	Bituminous tape laminated with polyester reinforced film made of metal (aluminium or copper)		
Packaging	Length per roll (m)	Tape width (mm)	Rolls per box
	3	100	12
	3	200	6
	3	225	6
	10	50	6
	10	75	4
	10	100	3
	10	150	2
	10	200	3
	10	225	2
	10	300	1
	10	450	1
	10	600	1
Appearance / Colour	Matt grey, terracotta brown		
Shelf life	36 months from the date of production		

Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging.
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Thickness	~1,5 mm (including metal film)	(DIN EN 1849-1)
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TECHNICAL INFORMATION

Tensile Strength	Aluminium lamination:		
	<u>Longitudinally</u>	≥ 200 N/50 mm	(EN 12311-1)
	<u>Transversally</u>	≥ 200 N/50 mm	

	Copper lamination :		
	<u>Longitudinally</u>	≥ 400 N/50 mm	(EN 12311-1)
	<u>Transversally</u>	≥ 400 N/50 mm	

Elongation at Break	Aluminium lamination:		
	<u>Longitudinally</u>	≥ 20 %	(EN 12311-1)
	<u>Transversally</u>	≥ 20 %	

	Copper lamination:		
	<u>Longitudinally</u>	≥ 10 %	(EN 12311-1)
	<u>Transversally</u>	≥ 10 %	

Resistance to UV Exposure	The aluminium / copper film provides the UV resistance.
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Service Temperature	-20 °C min. / +70 °C max.
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APPLICATION INFORMATION

Ambient Air Temperature	+5 °C min. / +40 °C max.
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Substrate Temperature	+5 °C min. / +40 °C max. Minimum +3 °C above dew point temperature.
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APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be stable, 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 must 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 generally has good adhesion without primers / 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

Metals, plastics, coated surfaces, glazed tiles and similar substrates must 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. can be pre-heated to increase the adhesion.

APPLICATION METHOD / TOOLS

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

Adhesion performance can be improved by heating Sika® MultiSeal tape and / or the substrate during application.

Overlaps must be ≥ 50 mm.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using petroleum or turpentine immediately after use. Once cured, residual material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- Adhesion may increase over time. This effect will be more pronounced on porous substrates and in warm climates.
- The upper side of Sika® MultiSeal can be overpainted with most conventional paint systems. Do not over-paint the tape with solvent-based paints.
- Do not use on natural stone.
- Due to the bituminous content of the tape, coatings, plastics and natural stones may discolour.
- On porous substrates, water infiltration underneath the tape is possible which may affect adhesion.
- Direct contact with joint sealants and adhesives must be avoided or compatibility must be tested prior to application.
- Do not use Sika® MultiSeal for joints under water pressure or for permanent water immersion.
- Not suitable for overhead application when service temperatures are > +25 °C.
- For cleaning skin use Sika® Cleaning Wipes-100 and wash with water and soap.

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.

LOCAL RESTRICTIONS

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

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).

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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