

# PRODUCT DATA SHEET

## Sika® MultiSeal

Self-adhesive bituminous sealing tape

### PRODUCT DESCRIPTION

Sika® MultiSeal is a self-adhesive bituminous sealing tape laminated with a metal film in aluminium 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

<b>Chemical Base</b>	Bituminous tape laminated with polyester reinforced film made of metal (aluminium or copper)		
<b>Packaging</b>	<b>Length per roll (m)</b>	<b>Tape width (mm)</b>	<b>Rolls per box</b>
	10	100	3
	10	150	2
	10	225	2
	10	300	1
	Refer to current price list for packaging variations.		
<b>Shelf Life</b>	36 months from the date of production		
<b>Storage Conditions</b>	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.		
<b>Appearance / Colour</b>	Colour range to be defined by local sales organisation		
<b>Thickness</b>	~1.5 mm (including metal film)		(DIN EN 1849-1)

### TECHNICAL INFORMATION

<b>Tensile Strength</b>	Aluminium lamination:		
	Longitudinally	≥ 200 N/50 mm	(EN 12311-1)
	Transversally	≥ 200 N/50 mm	
	Copper lamination :		
	Longitudinally	≥ 400 N/50 mm	(EN 12311-1)
	Transversally	≥ 400 N/50 mm	
<b>Elongation at Break</b>	Aluminium lamination:		
	Longitudinally	≥ 20 %	(EN 12311-1)
	Transversally	≥ 20 %	
	Copper lamination:		
	Longitudinally	≥ 10 %	(EN 12311-1)
	Transversally	≥ 10 %	
<b>Service Temperature</b>	-20 °C min. / +70 °C max.		
<b>UV Exposure</b>	The aluminium film provides the UV resistance		

## APPLICATION INFORMATION

<b>Ambient Air Temperature</b>	+5 °C min. / +40 °C max.
<b>Substrate Temperature</b>	+5 °C min. / +40 °C max. Minimum +3 °C above dew point temperature

## 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.

## LIMITATIONS

- 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® Wonder Wipes® and wash with water and soap.

## 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 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  $\geq 50$  mm.

### **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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