

# 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>Appearance / Colour</b>                            | Colour range to be defined by local sales organisation                                                                                                          |                        |                      |
| <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>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>UV Exposure</b>         | The aluminium / copper film provides the UV resistance |               |              |
| <b>Service Temperature</b> | -20 °C min. / +70 °C max.                              |               |              |

## 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 |

## 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 TOOLS

Clean all tools and application equipment immediately after use with petroleum or turpentine. Once cured, hardened material can only be removed mechanically.

## 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® Cleaning Wipes-100 and wash with water and soap.

## 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.

## 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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