

PRODUCT DATA SHEET

Sika® Window Tape One

MULTIFUNCTIONAL TAPE FOR TIGHT WINDOW INSTALLATION

DESCRIPTION

Sika® Window Tape One is a multifunctional special tape with outstanding qualifications. It has an optimal vapour diffusion gradient from inside to outside which assures efficient humidity transport towards the cold side and fast drying of the joint.

USES

Sika® Window Tape One is designed for efficient installation of windows and doors, and ensures driving rain tightness, thermal insulation and air tightness.

CHARACTERISTICS / ADVANTAGES

- Very good air tightness
- Sound and thermal insulation
- Driving rain tight (1,000 Pa)
- Optimal humidity transport towards outside
- Reduces convection heat loss
- Efficient and cost reduced installation
- Suitable for "Passive-House" standards
- Very low emissions

ENVIRONMENTAL INFORMATION

- EMICODE EC1^{PLUS}

APPROVALS / STANDARDS

- Fire resistant class B1 DIN 4102
- ift Rosenheim external control
- DIN 18542 BG 1 AND BGR

PRODUCT INFORMATION

| | | | | | |
|----------------------------|--|-------------------------|-------------------|------------------|------------------------|
| Chemical Base | Impregnated polyurethane soft foam with special foil | | | | |
| Packaging | Type of tape* | Joint width [mm] | m per roll | m per box | Frame thickness |
| | 64 / 5-30 | 5-30 | 12 | 72 | 70 |
| | * 1st figure = width of the tape 2nd figure = width of the joint (consider future joint movement) e.g. 64 / 5-30 = tape 64 mm wide for joints 5-30 mm wide | | | | |
| Appearance / Colour | Black, pre-compressed rolls | | | | |
| Shelf Life | Sika® Window Tape One has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met. | | | | |
| Storage Conditions | Sika® Window Tape One shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C. | | | | |

TECHNICAL INFORMATION

| | | |
|---|---|-------------|
| Joint Permeability to Water Vapour | $a \leq 0.00 \text{ m}^3/(\text{h} \cdot \text{m}^* (\text{daPa})^{2/3})$ ift Rosenheim external controlled | (EN 1026) |
| Equivalent Air Layer Thickness for Water Vapour | 50 : 1 ($\geq 25 \text{ m}$ approx. inside; $\leq 0.5 \text{ m}$ outside, S_d value) | (ISO 12572) |
| Driving Rain Tightness | $\geq 1,000 \text{ Pa}$ | (EN 1027) |
| Thermal Conductivity | $\leq 0.048 \text{ W/m} \cdot \text{K}$ (λ -value) | (ISO 12667) |
| Sound Insulation | 45 dB at 10 mm joint width | |
| Service Temperature | $-30 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$ | |

SYSTEM INFORMATION

| | | |
|---------------|------------------------|-------------|
| Compatibility | Requirements fulfilled | (DIN 18542) |
|---------------|------------------------|-------------|

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed.

APPLICATION METHOD / TOOLS

For application instructions please see the Method Statement for Sika® Window Tape One.

LIMITATIONS

- High temperatures accelerate the expansion of the tape, low temperatures decelerate the expansion of the tape. Best results are achieved if the tape is installed at temperatures between $+15$ and $+25 \text{ }^\circ\text{C}$. At $23 \text{ }^\circ\text{C}$ Sika® Window Tape One has to be applied within 30 minutes.

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

REGULATION (EC) NO 1907/2006 - REACH

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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