

PRODUCT DATA SHEET

Sika® Expansion Tape-600

PRODUCT DESCRIPTION

Sika® Expansion Tape-600 is a self-adhering, elastic polymer, dispersion impregnated, expansion tape.

USES

Sika® Expansion Tape-600 is designed for joint sealing between window and/or door frames and adjacent building components and for other construction sealing applications. Sika® Expansion Tape-600 fulfills the requirements of the energy conservation regulations (EnEV) and the RAL instructions. Sika® Expansion Tape-600 seals against wind, dust, spray water and driving rain.

CHARACTERISTICS / ADVANTAGES

- Open vapour diffusion structure.
- Elastic.
- Sound and thermal insulation.
- Over-paintable with most dispersion paints.
- Driving rain tight (600 Pa).
- Very low emissions.

ENVIRONMENTAL INFORMATION

- EMICODE EC1^{PLUS}.

APPROVALS / STANDARDS

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

PRODUCT INFORMATION

Chemical Base

Impregnated polyurethane soft foam.

Packaging

Type of tape*	Joint width [mm]	m per roll	Rolls per box	m per box
10 / 1-4	1-4	13.0	30	390
12 / 2-6	2-6	12.0	25	300
15 / 4-9	4-9	8.0	20	160
15 / 5-12	5-12	5.6	20	112
20 / 6-15	6-15	4.3	15	64.5
20 / 9-20	9-20	3.3	15	49.5
40 / 24-42	24-42	2.6	7	18.2

* 1st figure = width of the tape.
2nd figure = width of the joint (consider future joint movement).
e.g. 20 / 9-20 = tape 20 mm wide for joints 9-20 mm wide.

Shelf Life

Sika® Expansion Tape-600 has a shelf life of 24 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® Expansion Tape-600 shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.

SYSTEM INFORMATION

Compatibility	Requirements fulfilled.	(DIN 18542)
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TECHNICAL INFORMATION

Thermal Conductivity	0.052 W/m*K approx. (λ -value).	(ISO 12667)
Joint Permeability to Water Vapour	$\leq 1.0 \text{ m}^3 / (\text{h} \cdot \text{m}^* (\text{daPa})^{2/3})$ ift Rosenheim external control.	(EN 1026)
Diffusion Resistance to Water Vapour	100 approx. (μ -value).	(ISO 12572)
Equivalent Air Layer Thickness for Water Vapour	0.5 m approx. (at 50 mm width).	(ISO 12572)
Light and Thermal Resistance	Requirements fulfilled.	(DIN 18542)

VALUE BASE

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.

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 around +23 °C. At 23 °C Sika® Expansion Tape-600 has to be applied within 30 minutes.

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 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 clean, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed. Sika® Expansion Tape-600 adheres without primers and/or activators.

APPLICATION METHOD / TOOLS

- Open the roll by pulling off the opening / closing tape. Cut the beginning of the tape using scissors so that the edge is straight.
- Remove the tape's release liner and stick the end of the tape on the building component. Align the tape in a straight line. Press the tape against the building component. Avoid stretching the tape. In order to be for the tape to be tight, it should be approx. 10 mm longer than the sealing distance.
- Open rolls must be rolled up quickly and tightly and then closed with the opening / closing tape in order to avoid the expansion of the tape.

The tape shall be bonded onto the frame prior to the installation of windows and/or doors.

The tape shall be installed with an expansion reserve. The tape shall be cut at the frame edges; it must not be installed all around the frame in one piece.

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.

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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