

# BUILDING PRODUCT INFORMATION SHEET

## Sika® Expansion Tape-600

Driving rain tight expansion tape for window and door sealing

### 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.

### FEATURES

- Open vapor diffusion structure
- Elastic

### PRODUCT INFORMATION

<b>Product identifier</b>	Sika® Expansion Tape-600				
<b>Place of manufacture</b>	Overseas				
<b>Composition</b>	Impregnated polyurethane soft foam				
<b>Packaging</b>	Type of tape*	Joint width [mm]	m per roll	Rolls per box	m per box
	25 / 11-25	11-25	2.6	12	31.2
	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. 25 / 11-25 = tape 25 mm wide for joints 11-25 mm wide				
<b>Shelf life</b>	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.				
<b>Storage conditions</b>	Sika® Expansion Tape-600 shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.				
<b>Appearance and colour</b>	Black, pre-compressed rolls				

- Sound and thermal insulation
- Over-paintable with most dispersion paints
- Driving rain tight (600 Pa)
- Very low emissions

### SUSTAINABILITY

EMICODE EC1<sup>PLUS</sup>

### APPROVALS / CERTIFICATES

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

## TECHNICAL INFORMATION

<b>Thermal conductivity</b>	0.052 W/m*K approx. ( $\lambda$ -value)	(ISO 12667)
<b>Joint permeability to water vapour</b>	$\leq 1.0 \text{ m}^3 / (\text{h} \cdot \text{m}^2 \cdot (\text{daPa})^{2/3})$ ift Rosenheim external control	(EN 1026)
<b>Diffusion resistance to water vapour</b>	100 approx. ( $\mu$ -value)	(ISO 12572)
<b>Equivalent air layer thickness for water vapour</b>	0.5 m approx. (at 50 mm width)	(ISO 12572)
<b>Light and thermal resistance</b>	Requirements fulfilled	(DIN 18542)

## SYSTEM INFORMATION

<b>Compatibility</b>	Requirements fulfilled	(DIN 18542)
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## MANUFACTURER AND IMPORTER INFORMATION

<b>Manufacturer information</b>	Address	Sika Supply Centre AG Industriestrasse 26 6060, Sarnen Switzerland
<b>Importer information</b>	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	<a href="https://nzl.sika.com/">https://nzl.sika.com/</a>
	Email address	<a href="mailto:info@nz.sika.com">info@nz.sika.com</a>
	NZBN	9429000018791

## BUILDING CODE INFORMATION

<b>Building Code clauses</b>	B2 Durability: Performance clause B2.3.1 - (b) 15 years F2 Hazardous Building Materials: Performance clause F2.3.1
<b>Building Code compliance statements</b>	Performance B2.3.1 (b) 15 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. <a href="https://nzl.sika.com">nzl.sika.com</a> . According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2014.  Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet <a href="https://nzl.sika.com">nzl.sika.com</a> for further information if required

## BASIS OF PRODUCT DATA

All technical data in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

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

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).

## APPLICATION INSTRUCTIONS

### DESIGN REQUIREMENTS

Sikaflex Elastomeric Sealants - Joint design and movement calculation guide [nzl.sika.com](http://nzl.sika.com)

Sika Sealant Selector Guide, Consumption Guide and Best Practice Tips [nzl.sika.com](http://nzl.sika.com)

### 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

1. Open the roll by pulling off the opening / closing tape. Cut the beginning of the tape using scissors so that the edge is straight.
2. 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 for the tape to be tight, it should be approx. 10 mm longer than the sealing distance.
3. 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.

## MAINTENANCE REQUIREMENTS

There are no maintenance requirements for this Sika product

## 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 the 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. 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.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

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### NZ BUILDING PRODUCT INFORMATION SHEET

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