

System Product Data Sheet

Edition 11/12/2014

Identification no:

02 05 08 30 100 0 000001

Sika® ExpansionTape-100

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Construction**System Description**

The Sika® ExpansionTape-100 is an impregnated sealing tape used to protect from draught and dust as well to reduce heat loss and improve acoustics.

Uses

Sika® ExpansionTape-100 is used to seal joints between window / door frames and adjacent building components.

Characteristics / Advantages

- Open Vapour diffusion structure
- Permanently elastic
- Sound and thermal insulation

Tests**Approval / Standards**

Fire resistance class B2 DIN 4102

Product Description**Form**

Pre-compressed rolls

Colour

Black

Packaging

See dimensioning

Storage**Storage Conditions / Shelf Life**

12 months from date of production if stored in undamaged, original sealed containers, in dry conditions and protected from direct sunlight and temperatures between -5°C and + 30°C.

Technical Data**Chemical Base**

Impregnated PUR foam

Thermal conductivity $\lambda = 0.046 \text{ W/m K}$

DIN EN 12667

Compatibility with adjacent materials

Requirements fulfilled

DIN 18542

Fire Rating

B2

DIN 4102

Temperature stability range

-30°C to +90°C



System Information

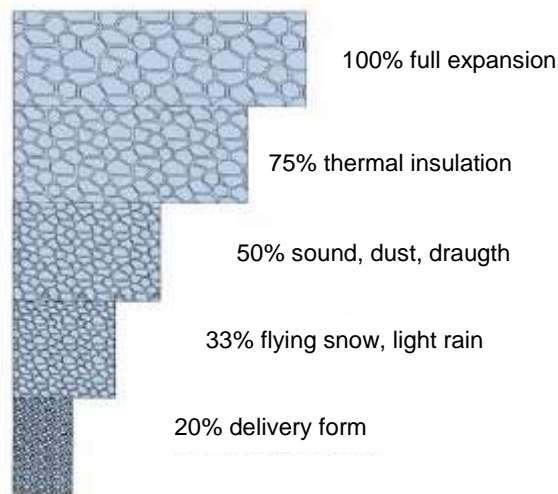
Application Details

Dimensioning

Sika® ExpansionTape-100 :			
Dimension Joint depth x width	Recommended joint width	Roll (m)	Box (m)
10 / 2	2 – 3	12.5	375
10 / 3	3 - 5	10.0	300
15 / 4	4 - 7	8.0	160
15 / 5	5 - 8	6.6	132
20 / 8	8 - 13	4.3	64.5
20 / 10	10 - 16	3.3	49.5

Other dimensions on request

Sealing performance with different degrees of compression:



Substrate Quality

Clean and dry, homogeneous, even, free from grease, dust and loose or friable particles. Paint, laitance and any other contaminants must be removed. Window frame must be clean and free from grease.

Application Conditions / Limitations

Ambient Temperature

Between +1°C and +30°C.

Tape Temperature

Between +1°C and +30°C.
Warmth accelerates the expansion of the tape; cold temperatures decelerate the expansion of the tape. Best results are achieved if tape is installed with temperatures around 23°C. . At 23 °C Sika® ExpansionTape-100 have to be applied within 30 minutes.

Application instructions

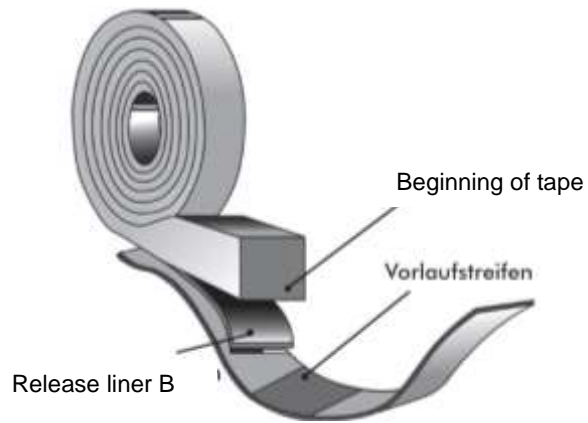
Application Method / Tools

After opening the box, open the roll by pulling off the opening / closing tape A. Cut the tape's beginning straight with a scissor.

Remove tape's release liner B and paste the end of the tape on the building component. Align tape to a straight line. Press tape against building component. Avoid stretching of the tape.

The tape should be approx. 10 mm longer than the sealed distance in order to be tight.

Open rolls must be rolled up quickly and tightly and closed with the opening / closing tape A in order to avoid the expansion of the tape.



Fittings and installations:

Before the installation of windows and doors the tape is bonded onto the frame. The tape is installed with an expansion reserve. The tape has to be cut at the frame edges; it must not be installed all round the frame in one piece. The expansion tapes have to be single pieces.

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.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing 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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