

PRODUCT DATA SHEET

Sika® Dilatec® BE-300

Multifunctional sealing tape for bituminous membranes

DESCRIPTION

Sika® Dilatec® BE-300 is a flexible waterproofing tape based on polyvinyl chloride (PVC) with advanced adhesion properties. The tape connects and terminates bituminous waterproofing membranes onto concrete or metal substrates. The B-edge on one side is bonded to the bituminous waterproofing membranes with hot-melt bitumen. The E-edge on the other side of the tape is adhered to concrete or metal with Sikadur® epoxy adhesives. Thickness 1.6 mm. It is part of the Sika® Dilatec® joint sealing system.

USES

Sealing of different structures and applications including:

- Bridges
- Basements
- Cut and cover tunnels

Sealing of:

- Connections and terminations of bituminous waterproofing membranes onto concrete or metal substrates

CHARACTERISTICS / ADVANTAGES

- Multifunctional joint sealing solution
- High flexibility and joint bridging ability
- Good chemical resistance
- Proven performance over decades
- Good adhesion properties
- No activation on site required
- Hot air weldable

APPROVALS / STANDARDS

- Fire Testing EN ISO 11925, Sika® Dilatec® BE-300, tecnotest ag, Test report No. A4020-09

PRODUCT INFORMATION

Chemical base	PVC, bitumen compatible
Packaging	1 roll of 30 m length
Appearance / Colour	Grey surface with white fabric edges
Thickness	1.60 mm (-5 % / +10 %) (EN 1849-2)
Width	300 mm
Shelf life	36 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Opened and unprotected rolls must be used within 2 months. Always refer to packaging.

TECHNICAL INFORMATION

Tensile strength	≥ 10 N/mm ²	(EN ISO 527-3)
Elongation	> 200 %	(EN ISO 527-3)
Foldability at low temperature	Pass (-25 °C)	(EN 495-5)
Water tightness	Pass (Method B, 24 hours /10 bar)	(EN 1928)
Chemical resistance	Pass (28 days / +23 °C) Pass (Method B, 24 hours / 60 kPa)	(EN 1847) (EN 1928)
Reaction to fire	Class E	(EN ISO 11925)
Service temperature	-10 °C min. / +40 °C max	

SYSTEM INFORMATION

System structure	The following system products must be selected from the following depending on design: Tape <ul style="list-style-type: none">Sika® Dilatec® tape E-220, BE-300, ER-350, B-500, BR-500 Adhesive <ul style="list-style-type: none">Sikadur-Combiflex® CF Adhesive Normal or RapidSikadur®-31 C
------------------	---

APPLICATION INFORMATION

Ambient air temperature	Refer to System Data Sheet: Sika® Dilatec® System
Substrate temperature	Refer to System Data Sheet: Sika® Dilatec® System

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.

FURTHER DOCUMENTS

- System Data Sheet: Sika® Dilatec® System
- Sika® Application Manual: Sika® Dilatec® System

IMPORTANT CONSIDERATIONS

- Refer to the Sika System Data Sheet: Sika® Dilatec® System

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.

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Reference must be made to the Sika® Application Manual: Sika® Dilatec® System

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.

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.

Sika India Pvt. Ltd.

620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
West Bengal, India

Contact:

Phone: +91 33 2447 2448
Fax: +91 33 2397 8688
info.india@in.sika.com
www.sika.in



Product Data Sheet

Sika® Dilatec® BE-300
January 2022, Version 01.01
020703150100000001

SikaDilatecBE-300-en-IN-(01-2022)-1-1.pdf