



## PRODUCT DATA SHEET

# Sika® Dilatec® BR-500

Multifunctional sealing tape for PVC and bituminous membranes

### PRODUCT DESCRIPTION

Sika® Dilatec® BR-500 is a flexible waterproofing tape based on polyvinyl chloride (PVC) with advanced adhesion properties. The tape connects and terminates bituminous waterproofing membranes to Sikaplan® WP (PVC) sheet membranes. The B-edge on one side is bonded to the bituminous membranes with hot-melt bitumen. The R-edge on the other side is hot air welded to the Sikaplan® WP membranes. Thickness 1,6 mm. It is part of the Sika® Dilatec® joint sealing system.

### WHERE TO USE

Sealing of different structures and applications including:

- Bridges
- Basements
- Cut and cover tunnels

Sealing of:

- Connections and terminations between Sikaplan® WP and bituminous membranes

### 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 / CERTIFICATES

- Material Properties of Sika® Dilatec® BR-500, tecnotest ag, Test report No. A4447-01
- Fire Testing EN ISO 11925, Sika® Dilatec® BR-500, tecnotest ag, Test report No. A4020-08

## PRODUCT INFORMATION

<b>Composition / Manufacturing</b>	PVC, bitumen compatible
<b>Packaging</b>	1 roll of 30 m length Refer to current price list for packaging variations
<b>Shelf Life</b>	36 months from date of production
<b>Storage Conditions</b>	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.
<b>Appearance / Colour</b>	Grey surface with white fabric edge on one side
<b>Width</b>	500 mm
<b>Thickness</b>	1,60 mm (-5 % / +10 %) (EN 1849-2)

## SYSTEMS

<b>System Structure</b>	The following system products must be selected from the following depending on design: <b>Tape</b> <ul style="list-style-type: none"><li>▪ Sika® Dilatec® tape E-220, BE-300, ER-350, B-500, BR-500</li></ul> <b>Adhesive</b> <ul style="list-style-type: none"><li>▪ Sikadur-Combiflex® CF Adhesive Normal or Rapid</li><li>▪ Sikadur®-31 CF</li></ul>
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## TECHNICAL INFORMATION

<b>Tensile Strength</b>	≥ 10,0 N/mm <sup>2</sup>	(EN ISO 527-3)
<b>Elongation</b>	> 200 %	(EN ISO 527-3)
<b>Service Temperature</b>	-10 °C min. to +40 °C max	
<b>Foldability</b>	Pass (-25 °C)	(EN 495-5)
<b>Watertightness</b>	Pass (Method B, 24 hours /10 bar)	(EN 1928)
<b>Chemical Resistance</b>	Pass (28 days / +23 °C) Pass (Method B, 24 hours / 60 kPa)	(EN 1847) (EN 1928)
<b>Reaction to Fire</b>	Class E	(EN ISO 11925)

## APPLICATION INFORMATION

<b>Ambient Air Temperature</b>	Refer to System Data Sheet: Sika® Dilatec® System
<b>Substrate Temperature</b>	Refer to System Data Sheet: Sika® Dilatec® System

## BASIS OF PRODUCT DATA

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

## OTHER DOCUMENTS

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

## LIMITATIONS

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

## ENVIRONMENT, HEALTH & SAFETY

### HAZARDOUS PRODUCT ACT - SECTION 2

This product is a manufactured article that does not require Safety Data Sheets to be marketed, transported or applied at the jobsite, according to the Hazardous Product Act - Section 2. Based on our current knowledge, this product is not classified as dangerous and does not contain any hazardous materials. Always wear personal protective equipment (including safety goggles and gloves) to manipulate and install Sika® products.

## 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 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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### Other locations

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

### Product Data Sheet

Sika® Dilatec® BR-500  
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