

## PRODUCT DATA SHEET

# Sika® Dilatec® E-220

### Multifunctional joint sealing tape

#### DESCRIPTION

Sika® Dilatec® E-220 is a flexible waterproofing tape based on polyvinyl chloride (PVC) with advanced adhesion properties. The tape seals construction and connection joints on concrete or metal substrates. It can also be used to create compartments of the Sikaplan® WP (PVC) membranes. The E-edges are bonded on both sides 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:

- Construction joints on concrete or metal substrates
- Compartments for the Sikaplan® WP membrane system

#### 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® E-220, tecnotest ag, Test report No. A4020-07

#### PRODUCT INFORMATION

<b>Chemical base</b>	PVC, bitumen compatible
<b>Packaging</b>	1 roll of 30 m length
<b>Appearance / Colour</b>	Grey surface with white fabric edges
<b>Thickness</b>	1.60 mm (-5 % / +10 %) (EN 1849-2)
<b>Width</b>	220 mm
<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.

## TECHNICAL INFORMATION

Tensile strength	≥ 10 N/mm <sup>2</sup>	(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: <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 C</li></ul>
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## 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.

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### **Product Data Sheet**

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