

PRODUCT DATA SHEET

Sika® Dilatec® ER-350

PVC multifunctional sealing tape for PVC membranes

DESCRIPTION

Sika® Dilatec® ER-350 is a flexible waterproofing tape based on polyvinyl chloride (PVC) with advanced adhesion properties. The tape terminates and connects Sikaplan® WP (PVC) sheet membranes onto concrete or metal substrates. The E-edge on one side of the tape is bonded to concrete or metal with Sikadur® epoxy adhesives. The R-edge on the other side is hot air welded to the Sikaplan® WP membranes. Thickness 1,6 mm. 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 between PVC waterproofing membranes onto concrete or metal substrates
- Construction joints
- Terminations

PRODUCT INFORMATION

Composition	PVC, bitumen compatible (PVC-P-BV)
Packaging	1 roll, 20 m length Refer to current price list for packaging variations
Shelf life	36 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed 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.
Appearance and colour	Tape with glass fibre reinforcement and fabric edging strip. Top surface is light grey, bottom surface is black.
Width	350 mm

CHARACTERISTICS / ADVANTAGES

- Multifunctional solution for sealing PVC membranes onto concrete and metal substrates
- Good adhesion properties
- No activation on site required
- High flexibility and joint bridging ability
- Good chemical resistance
- Root penetration resistant
- Hot air weldable
- Adaptable to many different jointing situations

APPROVALS / CERTIFICATES

- Material Properties Sika® Dilatec® ER-350, tecnotest ag, Test report No. A4020-05

Thickness 1,6 mm

SYSTEM INFORMATION

System structure Refer to System Data Sheet: Sika® Dilatec®

TECHNICAL INFORMATION

Resistance to impact	≥ 650 mm	(SN EN 12691, method A)
Resistance to root penetration	Compliant	(SIA V280)
Tensile strength	> 6,5 N/mm ²	(EN ISO 527-1)
Elongation	> 200 %	(EN ISO 527-1)
Tear strength	Weld seam strength Failure always adjacent to seam	(DIN 16 726)
Seam strength	Weld seam strength: Failure always adjacent to seam	(DIN 16 726)
Service temperature	-10 °C min. to +40 °C max	
Foldability at low temperature	Passed No cracks at -25 °C	(SN EN 495-5)
Watertightness	Pass (Method B, 24 h/10 bar)	(EN 1928)
Chemical resistance	Pass (28 d / +23 °C) Pass (Method B, 24h / 60 kPa)	(EN 1847) (EN 1928)
Reaction to fire	Euroclass E	(EN ISO 11925)

APPLICATION INFORMATION

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

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

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.

FURTHER INFORMATION

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

IMPORTANT CONSIDERATIONS

- Reference must be made to the Sika® Application Manual: Sika® Dilatec® System and Sika® Dilatec® System Data Sheet

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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 the 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

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

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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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Product Data Sheet

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