

PRODUCT DATA SHEET

Sika Waterbar® DR EG

EXTERNAL WATERBARS FOR EXPANSION JOINTS SEALING IN WATERTIGHT CONCRETE CONSTRUCTION

DESCRIPTION

Sika Waterbars Type DR made from PVC-P are used for sealing expansion joints in watertight concrete structures. Sika Waterbars PVC-P Type DR are available in a range of different sizes to suit different structures and applications.

USES

Application fields:

- Joint sealing in concrete structures
- Construction joint sealing in insitu concrete

Typical structures include:

- Residential building basements
- Commercial building basements
- Underground car parks

CHARACTERISTICS / ADVANTAGES

- High tensile strength and elongation
- Permanent flexibility
- Suitable for medium levels of hydrostatic pressure and stress
- Resistant to all natural mediums in soil and ground-water that are aggressive to concrete
- Weldable

APPROVALS / STANDARDS

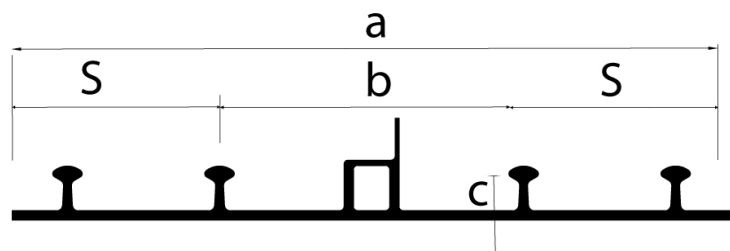
Standards / Directives: Profile geometry and physical properties according to Sika Factory Standard

- Sika Waterbar PVC-P welding instruction and method statement
- Testing & Approvals: Manufacturer's test certificates provided, other certificates by agreement

PRODUCT INFORMATION

Chemical Base	PVC-P Polyvinyl Chloride Plasticized
Packaging	Standard rolls 15 m.
Shelf Life	The product does not expire if stored correctly
Storage Conditions	To be stored on the pallets as supplied on a flat base
Appearance / Colour	Yellow

System Structure



Total width (mm) a	Width of move- ment part (mm) b	Thickness (mm) c	Width of sealing part (mm) s
DR 26 (260mm)	110 mm	3.5 mm	75 mm
DR 32 (320mm)	100 mm	4 mm	110 mm

Shore A Hardness	90 ± 5 DIN 53505
Tensile Strength	≥ 10 N/mm ² DIN 53455 12 - 15 N/mm ² CRD-C 573 , ASTM D-412 & D-638 ≥ 11 N/mm ² BS 2782 M320A
Elongation	> 300 % DIN 53455 300% - 350% CRD-C 573, ASTM D-412 & D-638 > 300 % BS 2782 M320A
Tear Strength	≥ 12 N/mm ² DIN 53507 A
Service Temperature	- 35°C to + 55°C
Chemical Resistance	Permanent: Water, seawater, sewage, road salt solutions. Temporarily: Diluted inorganic alkalis, mineral acids and mineral oils.

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.

ECOLOGY, HEALTH AND SAFETY

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.

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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SikaWaterbarDREG-en-PH-(02-2023)-1-1.pdf

Product Data Sheet
Sika Waterbar® DR EG
February 2023, Version 01.01
020703100100000199