

## 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 groundwater that are aggressive to concrete
- Weldable

#### APPROVALS / CERTIFICATES

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

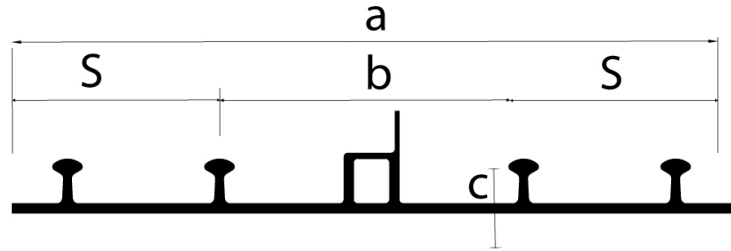
<b>Composition</b>	PVC-P Polyvinyl Chloride Plasticized
<b>Packaging</b>	Standard rolls 15 m.
<b>Appearance / Colour</b>	Yellow
<b>Shelf life</b>	The product does not expire if stored correctly
<b>Storage conditions</b>	To be stored on the pallets as supplied on a flat base
<b>Shore A hardness</b>	90 ± 5 DIN 53505
<b>Tensile strength</b>	≥ 10 N/mm <sup>2</sup> DIN 53455 12 - 15 N/mm <sup>2</sup> CRD-C 573 , ASTM D-412 & D-638 ≥ 11 N/mm <sup>2</sup> BS 2782 M320A
<b>Elongation</b>	> 300 % DIN 53455 300% - 350% CRD-C 573, ASTM D-412 & D-638 > 300 % BS 2782 M320A
<b>Tear strength</b>	≥ 12 N/mm <sup>2</sup> DIN 53507 A

**Chemical resistance**

Permanent: Water, seawater, sewage, road salt solutions.  
 Temporarily: Diluted inorganic alkalis, mineral acids and mineral oils.

**Service temperature**

- 35°C to + 55°C

**System structure**

Total width (mm) a	Width of movement 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

**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 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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