

## PRODUCT DATA SHEET

# Sika Waterbar® - PVC-P DB 3 x 100

Thermoplastic Waterbar for sealing lamellar joints in diaphragm walls

## DESCRIPTION

Sika Waterbar® - PVC-P DB 3 x 100 is a joint sealing profile made of soft PVC recyclate that has been specially developed for sealing lamellar joints in diaphragm walls.

## USES

Sika Waterbar® - PVC-P DB 3 x 100 is used for sealing lamellar joints in diaphragm walls.

## FEATURES

- High mechanical resistance
- Resistant to natural substances corrosive to concrete
- Resistant to a broad spectrum of chemical agents (Testing required in each case)
- Robust section for handling on construction sites
- Weldable

## PRODUCT INFORMATION

Composition	Recycled polyvinyl chloride, plasticized (PVC-P R) Not bitumen resistant
Packaging	25 m rolls on euro or disposable pallets
Appearance and colour	Black

## Shelf life

The product does not expire if stored correctly

## Storage conditions

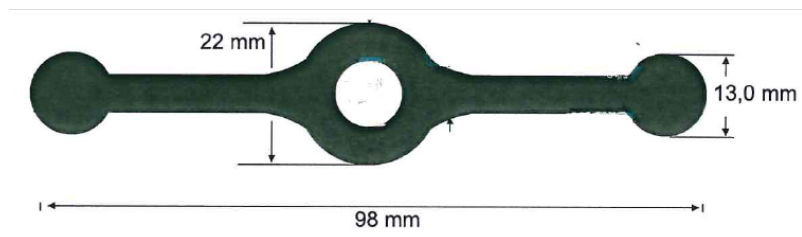
- To be stored on the pallets as supplied on a flat base
- For long term storage  $\geq 6$  months in enclosed areas: The storage area should be covered, cool, dry, free from dust and moderately ventilated. The Sika Waterbars DB 3 x 100 must be protected from heat sources and strong artificial lights with a high UV content
- Short term storage  $> 6$  weeks and  $< 6$  months in enclosed areas on construction sites, outdoors: As for long term storage i.e. in dry storage protected by suitable covers from direct sunlight, snow and ice or any other form of contamination, store separate from other potentially harmful materials, plant and equipment such as structural steel, reinforcement or fuels etc., store away from traffic and site roads in a dry area
- Short-term storage  $\leq 6$  weeks on construction sites, outdoors: Protected from contamination or damage, protected by suitable covers from strong sunlight and snow or ice etc.

## TECHNICAL INFORMATION

Shore A hardness	$83 \pm 5$ Shore-A	DIN 53505
Tensile strength	$\geq 8$ MPa	DIN EN ISO 527-2
Elongation	$\geq 230$ %	DIN EN ISO 527-2
Reaction to fire	Class B2	DIN EN 13501-1
Chemical resistance	Separated tests are always required for any special stress or exposure due to temperature and/or chemical agents.	

## SYSTEM INFORMATION

### System structure



## 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.

## ECOLOGY, HEALTH AND SAFETY

### Handling and Installation:

- Careful transport and handling on site
- Installation at ambient and waterbar material temperatures  $\geq 0^{\circ}\text{C}$
- Protection until the waterbar system is fully cast in the concrete
- Special care must be taken with the waterbar system ends
- Waterbars must be cleaned before casting in

REGULATION (EC) NO 1907/2006 - REACH

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

#### Documentation:

Manufacturer's test certificate (any other testing and certification by agreement)

**Jointing on site:**

Sika Waterbar® - PVC-P DB 3 x 100 are joined by means of thermal welding.

Only butt joints are permitted on the construction site, which must be carried out using Sika welding equipment SG 320 and the corresponding clamps for Sika Waterbar® - PVC-P DB 3 x 100

Joining the Sika Waterbar® - PVC-P DB 3 x 100 with any kind of adhesives is not permitted.

**Requirements:**

Minimum ambient temperature + 5°C and dry weather conditions.

Site joints must be formed only by trained and qualified personnel.

The welding training certificates are valid for 2 years.

Training courses leading to certification are run by Sika Deutschland CH AG & Co. KG, Stuttgart.

**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 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.

**Sika Deutschland CH AG & Co KG**

Kornwestheimer Straße 103 - 107

D - 70439 Stuttgart

Tel.: +49 711 8009-0

Fax: +49 711 8009-321

info@de.sika.com

www.sika.de

**PRODUCT DATA SHEET**

Sika Waterbar® - PVC-P DB 3 x 100

December 2025, Version 02.01

020703100100000148

SikaWaterbar-PVC-PDB3x100-en-DE-(12-2025)-2-1.pdf