

PRODUCT DATA SHEET

Sika Waterbar® O-20 SH

PVC PROFILE WATERSTOPS FOR JOINT SEALING

DESCRIPTION

Sika Waterbar® O-20 SH are flexible waterstops based on plasticized PVC. They are pre-shaped in specific profiles to seal and protect expansion joints when cast in concrete.

USES

Sika Waterbar® O-20 SH are used to waterproof expansion joints in concrete structures such as those in water retaining structures, including reservoirs, canals, sewage plants, dams, swimming pools etc. Also they are used in watertight construction of many buildings and structures including large basements, underground car parks, subways and sea walls, e.t.c.

CHARACTERISTICS / ADVANTAGES

- High quality PVC for long durability
- Suitable for high water pressure
- Easy to weld on site

APPROVALS / CERTIFICATES

Sika Waterbar® O-20 SH have been tested in accordance with:

- EN ISO 527
- DIN 53505

PRODUCT INFORMATION

Composition	Plasticized Polyvinyl Chloride (PVC-p)
Packaging	15 m rolls
Appearance / Colour	Yellow
Shelf life	60 months from date of production
Storage conditions	Store in unopened, undamaged and sealed original packaging, in dry conditions at temperatures not exceeding +30°C. Protect from UV radiation.
Total Width	20cm (± 5mm)
Thickness	Nominal thickness: 2,0 - 3,5 mm (± 0,5 mm)

TECHNICAL INFORMATION

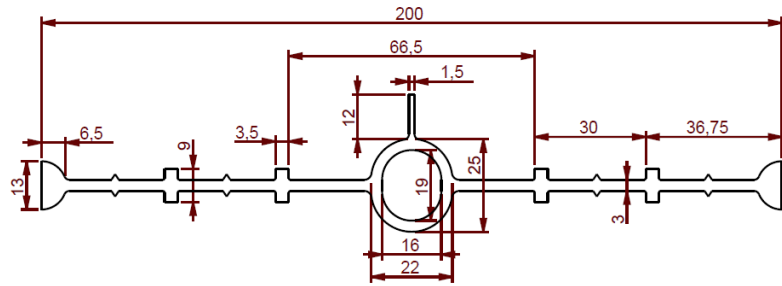
Shore A Hardness	70 ± 5	(DIN 53505)
Tensile Strength	≥ 10 N/mm ²	(EN ISO 527)
Elongation	At break ≥ 300%	(EN ISO 527)

Chemical Resistance

Permanent resistance against water and seawater.
 Temporary resistant against diluted inorganic alkalis, mineral acids, mineral oils and sewage at temperature of +23 °C.

Service Temperature

-35°C to +55°C

SYSTEMS**System Structure**

Centrally placed Waterbar, suitable for expansion joints. Installation in the centre of concrete structures. Easy anchoring of Sika Waterbar® O-20 SH to reinforcement with special fixing clips (5 pieces per m).
 Junction / Jointing Pieces: For welding waterbar pieces and cuts on site, special equipment is supplied.

APPLICATION INSTRUCTIONS**APPLICATION METHOD / TOOLS**

Installation in the centre of the concrete structures. Easy anchoring of Sika Waterbar® O-20 SH to reinforcement with special fixing clips (5 pieces per m').

Welding:

Sika Waterbar® O-20 SH is made from thermoplastic PVC, and can therefore be heat welded easily. Secure the ends into Sika® Waterbar Welding Forms (available for every type) and heat them with Sika® Waterbar Splicing Iron Type 127 ή 126, until an even, molten bead of PVC appears. The welding equipment is then removed and the molten ends pressed firmly together immediately.

The welding temperature is ~ +200°C.

IMPORTANT CONSIDERATIONS

In situations with negative water pressure surface waterbars cannot be used.

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.

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.

ECOLOGY, HEALTH AND SAFETY

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 this 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).

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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