

# BUILDING PRODUCT INFORMATION SHEET

## Sika Waterbar® O VN

### Flexible PVC waterstop

#### DESCRIPTION

Sika Waterbar® O VN are constructed from flexible thermoplastic PVC. They are designed to stop the migration of water through construction and expansion joints in concrete structures.

Sika Waterbar® O VN are available in various sizes and profiles to suit all types of application.

#### USES

For the effective sealing of concrete construction and expansion joints in structures such as:

- Basements
- Water reservoirs
- Sewage treatment plants
- Swimming pools
- Retaining walls

- Lift shafts
- Tunnels, culverts
- Service pits

#### FEATURES

- Sealing starts as soon as the concrete has hardened
- Multi rib profile provides impenetrable barriers to water migration
- Can be easily site welded - (welding knife is available)
- Good chemical resistance
- Available various kind of profiles for all type of application

#### APPROVALS / CERTIFICATES

Local test reports (in Vietnam) are available.

#### PRODUCT INFORMATION

<b>Product identifier</b>	Sika Waterbar® O VN
<b>Place of manufacture</b>	Overseas
<b>Composition</b>	Polyvinyl Chloride
<b>Packaging</b>	Standard length: 15 - 20 m/ rolls For other length please contact Sika.
<b>Shelf life</b>	5 years from date of production if stored properly.
<b>Storage conditions</b>	Dry, shaded place (protected from sunlight)
<b>Appearance and colour</b>	Flexible strip / Yellow

#### TECHNICAL INFORMATION

<b>Shore A hardness</b>	>70
<b>Tensile strength</b>	12 N/mm <sup>2</sup> (± 5%)
<b>Service temperature</b>	-35°C to +55°C
<b>Chemical resistance</b>	Permanent: Seawater, sewage. Temporary: Diluted inorganic alkalis, mineral acids, mineral oils and fuels

**Elongation** 300% (± 5%)

## SYSTEM INFORMATION

<b>System structure</b>	Type	Width (mm) (± 5mm)	Roll Length (m)	Nominal Thickness
	O-15	150	20	3.0 - 4.5
Other sizes available on request				
Sika Waterbar® O VN profile				

## MANUFACTURER AND IMPORTER INFORMATION

<b>Manufacturer information</b>	Address	Sika Limited - Vietnam 10th Street, Nhon Trach 1, Dong Nai, Vietnam
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<b>Importer information</b>	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	<a href="https://nzl.sika.com/">https://nzl.sika.com/</a>
	Email address	info@nz.sika.com
	NZBN	9429000018791

## BUILDING CODE INFORMATION

<b>Building Code clauses</b>	B2 Durability: Performance clause B2.3.1-(a) not less than 50 years E2 External Moisture: Performance clause E2.3.3 F2 Hazardous Building Materials: Performance clause F2.3.1
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<b>Building Code compliance statements</b>	<p>Performance B2.3.1 (a) 50 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 50 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. <a href="https://nzl.sika.com">nzl.sika.com</a>. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 1998.</p> <p>Performance E2.3.3: When this product is used in joints as part of a waterproofing system, in conjunction with a membrane / DPC under the concrete floor, or behind the concrete wall it contributes to the wall or floor meeting the requirements of E2.3.3</p> <p>Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet <a href="https://nzl.sika.com">nzl.sika.com</a> for further information if required</p>
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## BASIS OF PRODUCT DATA

All technical data in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

Level differences, bends, junctions, etc. should be carefully considered before placing.

Care should be taken to avoid breathing fumes and smoke during the PVC welding process. Hence, welding should be performed in open, well ventilated area.

In case of doubt always follow the directions given on the pack or label

## 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 art-

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icle 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).

## MAINTENANCE REQUIREMENTS

No maintenance of the Sika membrane system will be required, provided that significant substrate movement does not occur within the impervious wall / floor lining or finish that has been applied over the top. Regular checks of the wall / floor finish must be made to ensure that it is sound and will not allow moisture to penetrate it. Any cracks or damage must be repaired immediately, in consultation with the supplier of the lining system

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

### Sika (NZ) Limited

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