

PRODUCT DATA SHEET

Sika Waterbar® - PVC-P NB Type A

INTERNAL WATERBARS FOR JOINT SEALING IN WATERTIGHT CONCRETE CONSTRUCTION ACCORDING TO FACTORY STANDARD

PRODUCT DESCRIPTION

Sika Waterbars Type A made from PVC-P NB are used for sealing construction joints in watertight concrete structures. Sika Waterbars PVC-P NB Type A are available in a range of different types, shapes and 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 / STANDARDS

Standards / Directives:

- Profile geometry and physical properties according to Sika Factory Standard
- German WU Directive DafStb
- Sika Waterbar PVC-P NB welding instruction and method statement

Testing & Approvals:

Manufacturer's test certificates provided, other certificates by agreement

PRODUCT INFORMATION

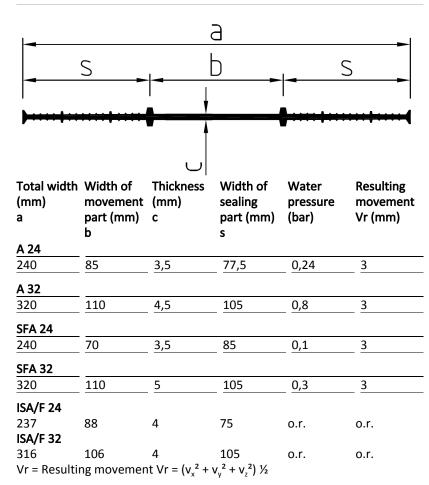
Chemical Base	PVC-P NB = Polyvinyl Chloride Plasticized,	PVC-P NB = Polyvinyl Chloride Plasticized, not bitumen resistant	
Packaging	pallets	 Prefabricated formpieces supplied on euro or disposable pallets depend- 	
Appearance / Colour	Black	Black	
Shelf Life	The product does not expire if stored corr	The product does not expire if stored correctly	
Storage Conditions	 For long-term storage ≥ 6 months in end should be covered, cool, dry, free from the Sika Waterbars PVC-P NB must be particular strong artificial lights with a high UV core. Short-term storage > 6 weeks and < 6 m struction sites, outdoors: As for long-ter tected by suitable covers from direct surform of contamination, store separate form aterials, plant and equipment such as fuels etc., store away from traffic and sire. Short-term storage ≤ 6 weeks on construction or damage, protect sunlight and snow or ice etc. 		
TECHNICAL INFORMA			
Shore A Hardness			
	75 ± 5	DIN 53505	
	75 ± 5 ≥ 8 MPa		
Tensile Strength		EN ISO 527-2	
Tensile Strength Elongation	≥ 8 MPa	EN ISO 527-2	
Tensile Strength Elongation Tear Strength Reaction to Fire	≥ 8 MPa ≥ 275 %	EN ISO 527-2 EN ISO 527-2 ISO34-1 EN ISO 11925-1	
Tensile Strength Elongation Tear Strength	≥ 8 MPa ≥ 275 % ≥ 12 N/mm	nt temperatures and/or chemical ions specifically defined in DIN	
Tensile Strength Elongation Tear Strength Reaction to Fire	≥ 8 MPa ≥ 275 % ≥ 12 N/mm Class E Exposure to different temperatures and characteristics for special stresses or exposure to different mediums outside the substances or situation	EN ISO 527-2 EN ISO 527-2 ISO34-1 EN ISO 11925-1 EN 13501-1 hemicals: nt temperatures and/or chemical ions specifically defined in DIN	



System Structure

Forms:

The limits of water pressure and stress given in the tables below apply to standard uses without specific additional testing. Different values may be used when precise information on all of the relevant stresses and structural requirements are available.



APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

General

Only butt joints should be formed on site with Sika Waterbars PVC-P NB Type A.

Prefabricated formpieces:

Standard formpieces (flat or vertical) for Sika Waterbars PVC-P NB Type A include: Cross pieces, T-pieces, L-pieces.

Prefabricated formpieces help to reduce the required butt joints on site to a minimum.

Special formpieces:

Combined formpiece systems using combinations of different standard connections and profiles.

The standard maximum total length of formpiece system is 20m maximum. Longer formpiece systems on request.

Handling:

- Careful transport and handling on site
- Installation at ambient and waterbar material temperatures ≥ 0°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 <u>Application:</u>
- Internal waterbars are to be installed within the concrete section and clearance from the edge of the concrete must be at least half of the total width a of the waterbar

Detailed information on installation is given in the relevant method statement and instruction for use. If there are very high stresses or difficult concreting conditions, the waterbars can be combined with integrated injection hoses installed locally on the lateral anchoring ribs to additionally inject / grout around the cast-in parts at a later date.

Jointing on site:

The Sika Waterbars PVC-P NB Type A are butt jointed by welding.

Jointing with adhesives is not permitted.

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

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

VALUE BASE

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data..

Please wear appropriate PPE applicable to the application method of this product.

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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