

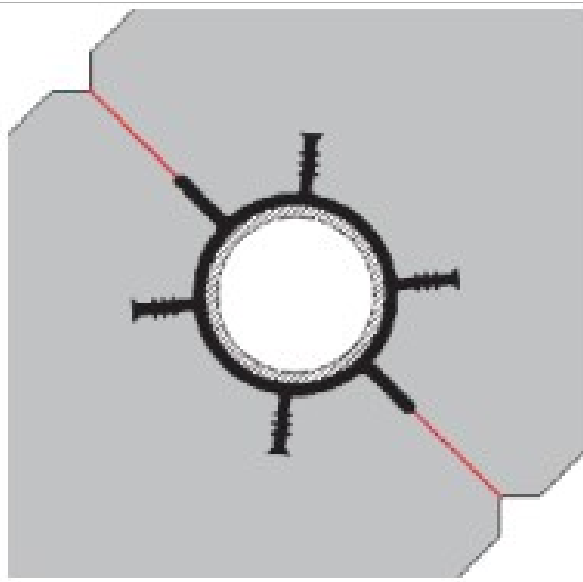
PRODUCT DATA SHEET

Sika® Crack Inducer Tubes Type SR

Sika Crack Inducer Tube SR - sealing of shrinkage joints in watertight concrete structures

DESCRIPTION

Sika Crack Inducer Tube SR is a two-part sealing element consisting of an inner tube made of PVC-U and an outer sealing element made of PVC-P, not bitumen compatible (NB).



USES

Application Fields:

- Sealing and cross-section weakening for contraction/control joints in walls of structures made of water-impermeable concrete
- Example applications: Residential buildings, administrative buildings, underground garages

Principles of use:

- Planning and processing principles according to general appraisal certificate (abP)
- Jointing technology based to DIN 18197 and according to Sika welding instructions

FEATURES

- Simple installation
- Can be combined with construction joint waterbars for base/wall section, e.g. Sika waterbar types KAB, SFA, ISA-F and steel plates
- High mechanical resistance
- Resistant to naturally occurring substances that attack concrete
- Resistant to a wide range of chemical agents (test necessary in individual cases)
- Robust cross-section for handling at the construction site
- Weldable

CERTIFICATES AND TEST REPORTS

- General Appraisal Certificate abP
- DAfStb WU Regulations
- Operating instructions for welding machine SG 320 L
- Installation instructions
- Welding instructions

PRODUCT INFORMATION

Composition	Waterbar: Polyvinylchlorid plasticized (PVC-P), not bitumen compatible (NB) Inner Tube: Polyvinylchlorid (PVC-U)
Packaging	Standard lengths ▪ SR 6: 2.15 m, 2.55 m, 2.75 m, 3.30 m ▪ SR 9: 2.50 m, 3.00 m, 4.00 m, 5.00m ▪ SR 18: 3.00 m, 4.00 m, 5.00m For information about the available standard lengths sold in Denmark, please contact our customer service. Custom lengths upon request
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 ≥ 6 months in enclosed areas: The storage area should be covered, cool, dry, free from dust and moderately ventilated. The SR tubes 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, rain, 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 ≤ 6 weeks on construction sites, outdoors: Protected from rain, contamination or damage, by suitable covers from strong sunlight and snow or ice

TECHNICAL INFORMATION

Shore A hardness	83 $\pm$ 5 Shore A	DIN 53505
Tensile strength	9 MPa	DIN EN ISO 527-2
Elongation	Elongation $\geq 200\%$	DIN EN ISO 527-2
	Low-temperature behaviour elongation at break at -20°C $\geq 100\%$	DIN EN ISO 527-2
Tear strength	8 N/mm	DIN 53507
Reaction to fire	Class B2	DIN 4102-1

SYSTEM INFORMATION

System structure	Type	Total Width (mm)	Diameter (mm)	Height of anchoring ribs (mm)	Water pressure (bar)	Component thickness Concrete section (mm)
	SR 6	110	64	21	2.0 ¹	150 - 250
	SR 9	138	88	30	2.0 ¹	200 - 350
	SR 18	235	175	35	2.0	350 - 600

¹according to general appraisal certificate

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

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..

To select an appropriate protective equipment under www.sika.de our info datasheets are available: "General information on OSH" (Code 7510) and "General information on the wearing of protective gloves" (Code 7511).

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

General:

The Crack Inducer Tubes type SR are produced in standard lengths and cut to the required length on site if necessary.

The Crack Inducer Tubes type SR for the controlled crack joints in walls are used in combination with construction joint waterbars or metalsheets.

Handling:

According to general appraisal certificate and the Sika processing guidelines

Installation:

The Crack Inducer Tubes type SR are cut at the base point so that they can be placed on the construction joint waterbar with a minimum distance of 5 cm to the base slab. The tubes themselves must be connected to the reinforcement along the entire length using Sika waterbar clips type 1.

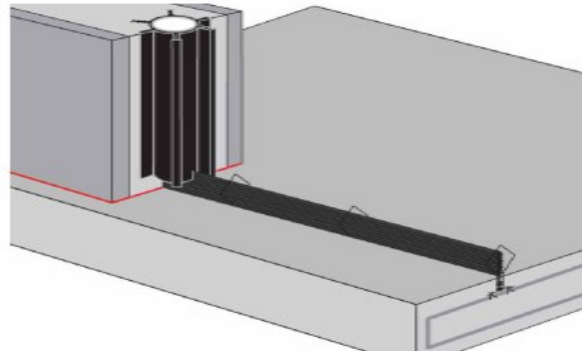
Concreting:

Careful concreting for ideal embedding of the foot base requires a preliminary mix with a concrete grain size of 0/16.

Pour concrete evenly on both sides of the Crack Inducer Tubes type SR.

The Crack Inducer Tubes type SR are filled with concrete at a later step. The inner pipe must not be removed while concreting.

The Crack Inducer Tubes type SR must be completely embedded in concrete without cavities.



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BUILDING TRUST



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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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