

PRODUCT DATA SHEET

SikaFuko® VT-1

INJECTABLE HOSE WITH INTEGRAL 'VALVES' FOR SEALING CONSTRUCTION JOINTS IN WATER-TIGHT STRUCTURES.

DESCRIPTION

Injectable hose with unique integral 'valves' for sealing construction joints in watertight.

USES

SikaFuko® VT-1 is used to seal construction joints in watertight structures against water and salt water ingress. It is cast into the construction joints with the concrete.

To seal the joint SikaFuko® VT-1 can be injected with suitable Sika injection materials including acrylic and polyurethane resins, or microfine cement suspensions. When it is necessary to reseal the joint again by re-injection, provided Sika acrylic resin or microfine cement is used for the initial injection.

CHARACTERISTICS / ADVANTAGES

- Uses unique valve techniques for injection
- Re-injectable with Sika Injection-300 series (acrylic resins) and microfine cement suspensions.
- One-time injectable with Sika Injection-201 CE (Polyurethane-resin) and epoxy resins.
- Easy to install
- Tested in water pressures up to 10 bar (100m)
- Suitable for many different structures and construction methods
- Long-term references on many international projects

APPROVALS / STANDARDS

- Injectability Test Report with Sika Injection-201 CE, MFPA Leipzig, No.PB5.1/13.520
- Water Tightness Test Report with Sika Injection-201 CE, WISSBAU, No.2008-163-1
- Water Tightness Test Report with Sika Injection-306, WISSBAU, No.2002-094-01
- Water Tightness Test Report with Sika Injection-307, WISSBAU, No.2016-347

PRODUCT INFORMATION

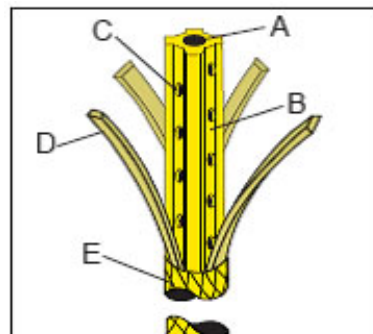
Chemical Base	Yellow inner core	PVC
	Yellow profile strips	Neoprene based cellular rubber
	Mesh	Polyester
Packaging	The SikaFuko® VT-1 is supplied as a Combi-pack in a cardboard box containing: <ul style="list-style-type: none">▪ 200 m SikaFuko® VT-1▪ 10 m green PVC-hose (inlet)▪ 10 m white PVC-hose (outlet)▪ Accessories (2 m connecting pipe, 4 m heat shrink sleeve , x 50 closure plugs, 1 can of glue, 1 roll of tape, x 800 fastening clips)▪ Also available as pre-fabricated, made to measure sections in special packs with accessories to suit for special projects (details on request).	
Shelf Life	48 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.	
Storage Conditions	Dry storage at temperatures from +5 °C up to +35 °C. Protect from direct sunlight and humidity.	

TECHNICAL INFORMATION

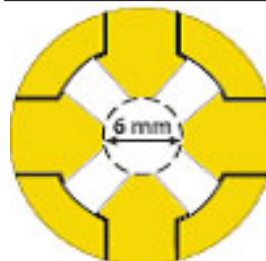
Shore A Hardness	Yellow inner core	85 +/- 3	(DIN EN ISO 868)
	Yellow profile strips	20 +/- 5	
Tensile Strength	Yellow inner core	≥ 14 N/mm ²	(DIN EN ISO 527)
	Yellow profile strips	≥ 3 N/mm ²	
	Mesh	≥ 30 N	
Elongation	Yellow inner core	≥250%	(DIN EN ISO 527)
	Yellow profile strips	≥ 300%	
	Mesh	≥ 30%	

SYSTEM INFORMATION

System Structure



A	Injection channel
B	Solid hose core made of high quality PVC compound
C	Lateral grooves with staggered injection openings
D	Compressible neoprene profile strips (as 'valves') over the longitudinal grooves
E	Fine webbed nylon mesh for secure fixing of the neoprene profiles
Internal diameter	



LIMITATIONS

- For professional use.
- Do not use SikaFuko® VT-1 -System for sealing expansion / movement joints.
- SikaFuko® VT-1 will not seal alone, it must be injected by suitable injection material
- Re-injectability is only given with the tested materials according to the test certificates
- SikaFuko® VT-1 used in construction joint needs always joint contact, please follow the application rules of the Method statement

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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