

## PRODUCT DATA SHEET

# SikaFuko® VT-1

Re-injectable hose for sealing construction joints

### PRODUCT DESCRIPTION

SikaFuko® VT-1 is a re-injectable hose for sealing various construction and connection joints in watertight concrete structures. To seal the joint, SikaFuko® VT-1 is injected with suitable Sika® Injection materials, such as acrylate and microfine cement suspensions (for multiple injections) or polyurethane and epoxy resins (for single injection). With the integrated 'valve techniques' the hose can be used to re-inject multiple times if necessary.

### USES

- Sealing construction and connection joints
- Suitable for many different structures and construction methods where additional joint security/safety is required
- Prevents water ingress through concrete joints in the following typical structures: Water retaining or excluding structures, water reservoirs, dams, canals, sewage treatment plants, tunnels, subways, retaining walls
- As a back-up system for waterstops
- Enables testing for water leaks

### CHARACTERISTICS / ADVANTAGES

- Uses unique 'valve techniques' for injection
- Multiple re-injections with Sika injection acrylate resins or microfine cement suspensions
- One-time injectable with Sika injection polyurethane and epoxy resins
- Easy and secure installation
- Tested in water pressures up to 10 bar (328ft)
- External test reports for suitable injection material
- Ideal back-up system in combination with waterstops
- Long-term references on many international projects

### PRODUCT INFORMATION

|               |                       |                                |
|---------------|-----------------------|--------------------------------|
| Chemical Base | Yellow inner core     | PVC                            |
|               | Yellow profile strips | Neoprene based cellular rubber |
|               | Mesh                  | Polyester                      |

#### Packaging

Supplied as a Combi-pack in a cardboard box containing:

- 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 , × 50 closure

plugs, 1 can of glue, 1 roll of tape, × 800 fastening clips)  
 Note: All accessories including inlet and outlet PVC-hose are available separately. Refer to current price list for packaging variations.

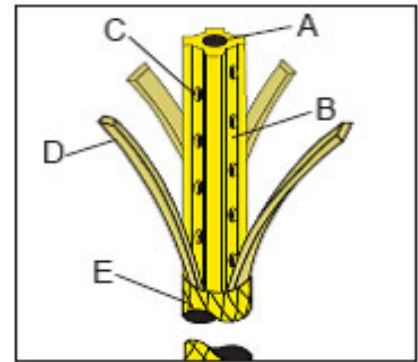
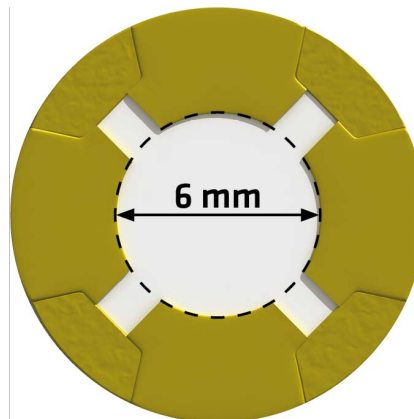
|                           |   |         |
|---------------------------|---|---------|
| <b>Appearance / Color</b> | Yellow - PVC hose core with lateral openings along the groove. A compressible neoprene strip is secured by a mesh into the groove.                                      |         |
| <b>Shelf Life</b>         | 48 months from date of production   |         |
| <b>Storage Conditions</b> | The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +40 °F and +95 °F. Always refer to packaging. |         |
| <b>Diameter</b>           | Internal hose diameter  | 6 mm    |
|                           | External hose diameter  | 13.5 mm |

## TECHNICAL INFORMATION

|                         |                       |         |                  |
|-------------------------|-----------------------|---------|------------------|
| <b>Shore A Hardness</b> | Yellow inner core     | 85 ±3   | (DIN EN ISO 868) |
|                         | Yellow profile strips | 20 ±5   |                  |
| <b>Elongation</b>       | 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                |

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Concrete surface must be clean and all loose materials removed before installing hose and placing concrete.

### APPLICATION METHOD / TOOLS

Reference must be made to the Sika® Method Statement: SikaFuko® VT System. Contact Sika Technical Services for additional information.

## AVAILABILITY/WARRANTY

- Sika® Method Statement: SikaFuko® VT System

## LIMITATIONS

Installation work must only be carried out by Sika® trained, approved or competent contractors experienced in this type of application.

- Do not use SikaFuko® VT-1 for sealing expansion / movement joints.
- SikaFuko® VT-1 will only seal the joint if injected by suitable Sika® injection materials.
- Re-injection must be carried out with the tested injection materials referenced in the test reports.

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

### REGULATION (EC) NO 1907/2006 - REACH

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 the 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 DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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**Product Data Sheet**

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