

## SYSTEM DATA SHEET

# Sikaplan® WP Control Injection System

## Control and backup injection elements

### DESCRIPTION

Sikaplan® WP Control Injection System consists of injection sockets on base of PVC-p plus injection hose and its connection pieces to be mounted after membrane installation and prior to concreting works.

### USES

Sikaplan® WP Control Injection System as a control- and injection system to control the watertightness of a completed basement or tunnel waterproofing system with PVC sheet membranes and waterbars to form compartments. The system is suitable for the use as injection access to waterproof leaks in installed membrane systems at any time after structural works have been completed.

### SYSTEM INFORMATION

#### System Structure

#### Sockets

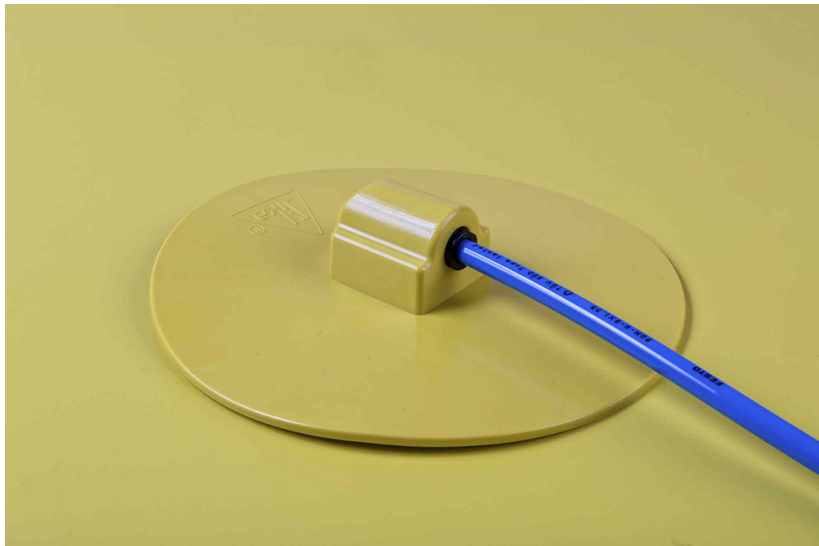
Sikaplan® WP Control Socket 6 (Article No. 85118) with integrated connector for the injection hose. Fixing of 5-6 pieces into each compartment field.

### CHARACTERISTICS / ADVANTAGES

- High pressure resistance
- Easy and quick control of watertightness
- All components are compatible with each other
- Sockets are compatible with all homogeneous PVC membranes by heat welding
- Tested compatibility with Sika® Injection -306, -307 and -701

### APPROVALS / STANDARDS

Quality management system ISO 9001



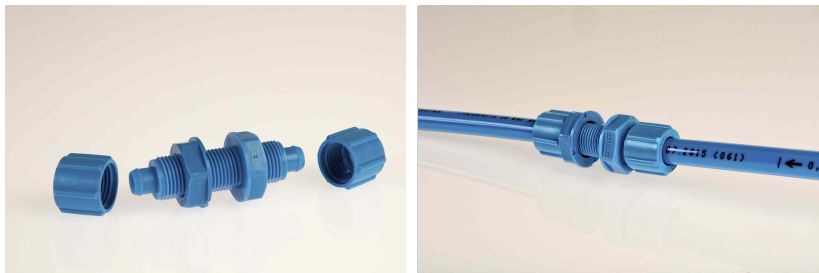
### Hose

Sikaplan® W Control Tube (Article No. 110975), made of PU, resistant to Sika® injection materials and injection pressure up to 7 bar.



### Extension

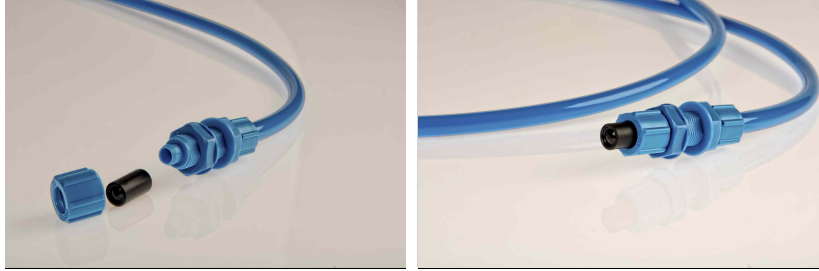
Sikaplan® W Connection Piece (Article No. 110890). To extend injection hoses. Pressure resistant up to 7 bar.



Alternative plug-in connectors are available upon request.

### Closing options at termination box

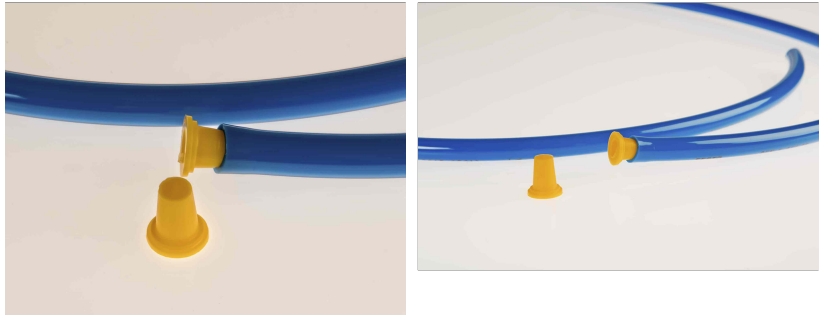
Option 1: For injection hoses under very high pressure: SPL W Lock Cap 6mm (Art. 111995, black) in combination with Sikaplan® W Connection Piece (Article No. 110890):



Option 2: For injection hoses under pressure: SPL W Lock Connection Cap 6mm (Art. 111994):



Option 3: Closure plugs – Type 1 (Art. 176452). To close hose ends during construction works to avoid dust and dirt from entering. Not pressure resistant:



### Connection to injection pump

Sikaplan® W Injection piece. Art. 460044. To connect the injection hose with the injection pump and to close injected hoses under pressure. Resists injection pressure of up to 7 bar.



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## TECHNICAL INFORMATION

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**Ambient Maximum Temperature of Liquids** + 35 °C max.

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## APPLICATION INFORMATION

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**Ambient Air Temperature** +5 °C min.

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## PRODUCT INFORMATION

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<b>Packaging</b>	Please consult individual product descriptions.
<b>Shelf Life</b>	5 years shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
<b>Storage Conditions</b>	The products must be stored in their original package, under cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice, etc.

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## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Installation according to valid Method Statement and standard detail drawing for basement and tunnel waterproofing with Sikaplan® WP sheet membranes.

- 1a. Spotwise welding of control socket (base plate) to sheet membrane by heat welding for single layer systems.
- 1b. Watertight welding of control socket (base plate) to second sheet membrane layer for double layer systems, with 2\*2cm hole in membrane under flange.
2. Connection of PU hose to control socket.
3. Fixing of PU hose along rebars (underside) by the use of plastic clips, steel wire not permissible.
4. Termination of PU hose at junction box, to be sealed and fixed at formwork (later accessible part of structure).

### LIMITATIONS

These products shall only be used by Sika approved contractors. This system is suitable for sheet waterproofing membranes on base of PVC-p only. This system is suitable for the injection of water-based acrylic resins only. This system is not suitable for the injection of epoxy or PU based resins.

### 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.

**Sika India Pvt. Ltd.**  
620, Diamond Harbour Road  
Commercial Complex II  
Kolkata - 700 034  
Tel : +91 33 24472448  
Fax : +91 33 23978688  
Mail : info.india@in.sika.com



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