

## PRODUCT DATA SHEET

# Sika Waterbar® Typ ST-15

### COATED METAL SHEET FOR SEALING OF CONSTRUCTION JOINTS

#### DESCRIPTION

Sika Waterbar® Typ ST-15 is a polymer bitumen coated metal sheet for sealing of construction joints.

#### USES

- sealing of construction joints in civil engineering
- suitable for vertical and horizontal construction joints

#### CHARACTERISTICS / ADVANTAGES

- galvanized metal sheet with polymer bitumen coating on both sides
- composite action between the metal sheet and the fresh concrete provides waterproofing against pressurized and non-pressurized water
- no change of reinforcement configuration or upfold at floor panels, as Sika Waterbar® Typ ST-15 is placed on the upper reinforcement layer

- connecting floor panel to wall mount on the top layer of reinforcement with special support brackets
- concrete covering 3 - 7 cm
- easy and safe connection of different elements and intersections by pressing the Sika Waterbar® Typ ST-15 together (overlap 8 cm)
- the elastic coating absorbs the shrinkage stress of the concrete
- corresponds the water pressure class W<sub>0</sub> according to the "Weiße Wanne" guideline

#### APPROVALS / CERTIFICATES

- function test for use in construction joints, MA 39 Vienna, test report no. MA39-VFA 2009-0763.01
- function test for use in construction joints (long term test), MA 39 Vienna, test report no. MA39-VFA 2009-0763.02

#### PRODUCT INFORMATION

<b>Composition</b>	galvanized metal sheet with coating of polymer bitumen
<b>Packaging</b>	60 m in a box: bundle of 30 metal sheets - each 2 m long additional system component: 30 mounting brackets in a box
<b>Appearance / Colour</b>	black coated metal sheet, protected with a beige protective foil on both sides
<b>Shelf life</b>	24 months from date of production
<b>Storage conditions</b>	store in a cool and dry place, protect from direct sunlight

---

## TECHNICAL INFORMATION

---

**Maximum Water Pressure** tested at 7 bar  
**in practice 3 m maximum**, as concreting work and processing of the concrete has a substantial influence on the efficiency of joint sealing.  
Therefore, observe the minimum concrete cover of 3 cm and a professional curing treatment of the concrete.

---

**Service Temperature** -35°C to +55°C

---

## APPLICATION INFORMATION

---

**Ambient Air Temperature** 0°C to +35°C

---

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

- In floor panels, the joint tape is placed on the top reinforcement layer - starting from a corner - and fixed with the mounting brackets to the reinforcement.
- Spacing of the mounting bracket about 0.5 m.
- The connection of the different sheets is done by removing the protective foil in a width of about 10 cm and the subsequent compression of the edges of the metal sheet.
- Overlap width must be 8 cm.
- Already assembled parts can no longer be separated.
- To avoid contamination of the bitumen layer the respective part of the protective foil is peeled off shortly before concreting.
- The joint tape has to be completely covered by the concrete - no honeycombing.
- Concreting of rising walls is best done with submission of mortar or fine concrete.

## IMPORTANT CONSIDERATIONS

- As the water circulation path is significantly shorter than in conventional joint tapes, we recommend compliance with the "Weiße Wanne" guideline.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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.