

# SilicaproofX 1

Metal waterstop with reactive coating

## TECHNICAL DATASHEET

Status 05.12.2022

Item no.: S03351402  
S03361406

## PROPERTIES

**SilicaproofX 1** is a single side coated metal waterstop for sealing construction joints in reinforced concrete structures.

**SilicaproofX 1** builds up its function once the coating gets in contact with humidity/water. In first instance the crystals integrally bond to the concrete. In second instance the coating below the crystals start to swell which will initiate a swell pressure to build up.

**SilicaproofX 1** is resistant to all organic wastewater. Connecting to an expansion joint is a straight forward procedure with a special connector.

## APPLICATION

All typical construction joints: suitable for all typical construction joints between base/base, base/wall, wall/wall, wall/ceiling, ceiling/ceiling.

**SilicaproofX 1** is positioned on the upper reinforcement layer. Fixation is carried out either with Omega fixing clip or Metal waterstop fixing bracket (1 bracket per meter).

An embebdment depth of **SilicaproofX 1** of only 30 mm is sufficient.

With **SilicaproofX 1** no protection foil needs to be removed. Thereby the installation can be carried out regardless weather conditions.

Overlapping is carried out by means of the overlap strip (5,0 cm). The overlap needs to be secured with two push brackets, one from above and one from below.

## TECHNICAL DATA

Element lengths:	2 m – stripe 6 m – coil
Width:	140 mm,
Thickness:	1.8 mm
Temperature resistance:	-20°C / +70°C
Working temperature:	-10°C / +40°C

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### PACKAGING & STORAGE

2 m – strips	bundle: 30 m	pallet: 900 m
6 m – roll	carton: 6 m	pallet: 504 m
incl. 6 pcs. Omega-clips, 2 pcs. push brackets		

Special dimensions are available on request.

**SilicaproofX 1** has to be stored in a dry place and be protected of any mechanical damage.

### INSTALLATION

**SilicaproofX 1** is positioned, with the crystal coating facing towards the water side, along the middle of the joint (base to wall, wall to ceiling), running between the reinforcing rods and fixed in place with the Omega fixing clips or ready-made Metal waterstop fixing brackets (around 1 pcs. per metre). An embedment depth into the first concrete pour of 30 mm is enough.

The overlap is secured with two push brackets, one from above and one from below.

Application temperature: + 5 ° C to + 30 ° C.

#### Security

Due to the sharp edged crystals we recommend to wear safety gloves when handling **SilicaproofX 1**!

### ACCESSORIES

Item no.: S03351402	SilicaproofX 1 strips 2,0 m B = 140 mm
Item no.: S03361406	SilicaproofX 1 set roll 6,0 m, incl. 6 Omega fixing clips, 2 push brackets
Item no.: S03510155	Omega fixing clip, 155 mm height
Item no.: S03540030	Metal waterstop fixing bracket
Item no.: S03510002	Push bracket

#### Note:

The information on this data sheet is based on our experience and given to the best of our knowledge, but is not legally binding. Recommendations, which are at variance with those stated in this data sheet, are only binding for us, when confirmed in writing. The manufacturer is not responsible for damages resulting from the misuse or incorrect storage of the product. For the accuracy of this information we are liable within the scope of our delivery and service conditions. Creation date: 12/2022