

# Compression Joint SX<sup>®</sup> 1

## TECHNICAL DATASHEET

Status 31.07.2020

Item no.: S07314515

### PROPERTIES

**Compression Joint SX<sup>®</sup> 1** is a combined compression/swellable profile especially designed for sealing concrete prefab elements. The compression sealing on both sides of the profile will be compressed when the concrete prefab element is fixed against an existing construction. The compression is giving rise to a restoring force on the joint flanks which seals the joint in first instance. The swelling profile in between the two compression profiles functions as a bearing. As soon as the swellable strip centrally positioned comes into contact with water, swelling occur building up a swell pressure. This swell pressure seals the joint permanently.

### APPLICATION

**Compression Joint SX<sup>®</sup> 1** is applied for waterproofing movement joints in between concrete devices. **Compression Joint SX<sup>®</sup> 1** can already be pre-installed to the concrete prefab element in the prefab plant by simply bonding the profile the flat side facing against the concrete device. On the construction site the concrete prefab element then is simply installed to the construction. The compression sealing on both sides of **Compression Joint SX<sup>®</sup> 1** will then be compressed to the level of swelling profile centrally positioned. With regard to larger supporting loads, special supports must be incorporated to bear the weight between the two devices.

### TECHNICAL DATA

Lengths:	25 m – rolls
Widths:	48 mm
Thickness:	15 mm, respectively 10 mm
Colour:	black (compression sealing), blue (hydrophilic tape)
Hardness:	approximately 45° + / – 5° ShA
Resistance to temperature:	-30°C / +60°C
Swelling:	up to 400 vol. %

### PACKAGING & STORAGE

25 m - rolls      carton: 5 rolls per 25 m = 125 m

**Compression Joint SX<sup>®</sup> 1** must be stored in a dry place. Avoid mechanical damage.

# Compression Joint SX<sup>®</sup> 1

## TECHNICAL DATASHEET

Status 31.07.2020

Item no.: S07314515

## INSTALLATION

**Compression Joint SX<sup>®</sup> 1** is bonded to the construction with **Polymer-swellingpaste SX<sup>®</sup> 100** in the middle of the concrete prefab element. During insertion a secure bearing of the sealing profile on the prefab element must be guaranteed. Lightly pushing the profile into **Polymer-swellingpaste SX<sup>®</sup> 100** ensures optimum fixing. Unevenness can be equalized with the swell mastic. Bitt joints and overlaps of **Compression Joint SX<sup>®</sup> 1** are bonded with an especial instant adhesive. Cuts are done with an especial mitre cutting tool.

## ACCESSORIES

Item no. S06223030	PolyproofX <sup>®</sup> 1 hollow chamber profile 30 x 30 mm L = 5 m
Item no. S02830291	Contact adhesive SuperX 1 PLUS
Item no. S02410290	Polymer-swellingpaste SX <sup>®</sup> 100
Item no. S07920001	Clamp joint SX <sup>®</sup> contact adhesive

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: 07/2020