

# Polymer- swellingpaste SX<sup>®</sup> 100

## TECHNICAL DATASHEET

Status 19.06.2020

Item no.: S02410290

### PROPERTIES

**Polymer-swellingpaste SX<sup>®</sup> 100** is a high-quality, firm, rapid hardening, swellable, single-component adhesive and sealing compound with a polymer base. The especial composition of **Polymer-swellingpaste SX<sup>®</sup> 100** makes the paste start to swell when getting in contact with water (swell percentage appr. 150%). The sealant has a high elasticity and high adherence. Once **Polymer-swellingpaste SX<sup>®</sup> 100** is installed it develops an adhesive tensile strength instantly. **Polymer-swellingpaste SX<sup>®</sup> 100** is particularly well-suited to bonding hydrophilic water bars to concrete and steel and as well as a sealant for construction joints.

The first swelling is time delayed which makes **Polymer-swellingpaste SX<sup>®</sup> 100** applicable regardless of weather conditions.

### APPLICATION

**Polymer-swellingpaste SX<sup>®</sup> 100** is mainly used to fix hydrophilic water bars (e.g. **Bentoproof black PLUS**, **PolyproofX<sup>®</sup> 1**) in construction joints. By applying the paste, any unevenness on the surface of application is levelled, assuring a flush contact between the concrete base and the hydrophilic water bar. Its cohesive properties are just as good on slightly damp surfaces as on dry ones.

In addition to this, **Polymer-swellingpaste SX<sup>®</sup> 100** can be used for bonding patches to **Polyfleece SX<sup>®</sup> 1000 Wall** as well as for sealing cable and pipe conduits.

**Polymer-swellingpaste SX<sup>®</sup> 100** can be applied out of the cartridge as a construction joint sealant without using a swelling tape by simply installing the paste directly on the joint of the first concrete section in the desired quantity.

### TECHNICAL DATA

Colour:	white
Environmental compatibility:	free of solvents and isocyanates, free of PVC, phtalat, silicone, neutral smell
Density:	1.4 g/cm <sup>3</sup>
Shore hardness (Shore A):	Shore A 30
E-modulus:	0.7 N/mm <sup>2</sup>
Tensile strength:	1.2 N/mm <sup>2</sup>
Elasticity when breaking:	300.0 %
Resistance to temperature: (after curing)	-40°C to +100°C
Skin formation:	after appr. 10 minutes
Curing in 24 h:	appr.1.5 mm

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### PACKAGING & STORAGE

290 ml - cartridge

box: 12 cartridges

**Polymer-swellingpaste SX<sup>®</sup> 100** can be stored in the original unopened packaging for at least 12 months at temperatures between +5° C and +25° C.

### INSTALLATION

290 ml – cartridge

12 cartridges per carton

**Polymer-swellingpaste SX<sup>®</sup> 100** can be stored in the original unopened packing for at least 6 months at temperatures between +5° C and +25° C.

### ACCESSORIES

Item no.: S07110020 - 50

SX<sup>®</sup> - insert profile on basis EPDM ø 20 mm - ø 50 mm

Item no.: S07202025 - 45

Clamp joint profile SX 20/25, 30/35, 40/45

Item no.: S06223030

PolyproofX<sup>®</sup> 1 hollow chamber profile 30 x 30 mm

**Note:**

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