

Polymer- swellingpaste SX[®] 100

TECHNICAL DATASHEET

Status 29.10.2021

Item no.: S02410290

PROPERTIES

Polymer-swellingpaste SX[®] 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[®] 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[®] 100** is installed it develops an adhesive tensile strength instantly. **Polymer-swellingpaste SX[®] 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[®] 100** applicable regardless of weather conditions.

APPLICATION

Polymer-swellingpaste SX[®] 100 is mainly used to fix hydrophilic water bars (e.g. **Bentoproof black PLUS**, **PolyproofX[®] 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[®] 100** can be used for bonding patches to **Polyfleece SX[®] 1000 Wall** as well as for sealing cable and pipe conduits.

Polymer-swellingpaste SX[®] 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.

Under all circumstances especial attention must be paid on the fact that finally **Polymer-swellingpaste SX[®] 100** is installed in a confined space. Only then the swell pressure can build up once the mastic gets in contact with humidity.

TECHNICAL DATA

Colour:	white
Environmental compatibility:	free of solvents and isocyanates, free of PVC, phtalat, silicone, neutral smell
Density:	1.4 g/cm ³
Shore hardness (Shore A):	Shore A 30
E-modulus:	0.7 N/mm ²
Tensile strength:	1.2 N/mm ²
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[®] 100 can be stored in the original unopened packaging for at least 6 months at temperatures between +5° C and +25° C.

INSTALLATION

Polymer-swellingpaste SX[®] 100 is directly applied to the surface with a spatula or with a cartridge gun. The surface must be firm, sustainable, clean and free of dust or loose particles. Opened containers should be used as quickly as possible.

Storing and working with **Polymer-swellingpaste SX[®] 100** is trouble free; it's neither combustible nor toxic.

The working temperature for **Polymer-swellingpaste SX[®] 100** is from +5°C to +40°C (+1°C/+30°C construction device).

Not yet fully cured **Polymer-swellingpaste SX[®] 100** has to be protected against humidity to prevent premature swelling.

ACCESSORIES

Item no.: S07110020 - 50

SX[®] - 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[®] 1 hollow chamber profile 30 x 30 mm

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: 10/2021