

TECHNICAL DATASHEET

Stand 28.08.2018

PROPERTIES

PolyproofX® 1 Injekt is a combination of two active certified joint sealants: the certified injection hose **WaterproofX® 100** and the certified chemical hydrophilic water bar **PolyproofX® 1**.

Within the system the hydrophilic water bar **PolyproofX® 1** takes on the part of the immediate sealing. Due to the swelling pressure caused by swelling, the water bar with its TPE seals safely and reliably the joint.

If required the unique injection hose **WaterproofX® 100** which is located in the core of the hydrophilic water bar, can be injected several times.

Even lengths of 30 m can be injected without any problems. The open construction of the hydrophilic water bar guarantees that the injection hose is fully flush-lying in the joint. Thus grouting material can disperse into the complete surface area of the joint.

APPLICATION

PolyproofX® 1 Injekt is a combined hydrophilic injection for sealing construction joints in concrete structures. The sealing system must be installed fully flush-lying in a construction joint either in between basement slab and wall, between two wall or slab sections or in the joint between wall and ceiling.

Even after numerous wet/dry cycles, the **PolyproofX® 1 Injekt** system will function properly.

PolyproofX® 1 Injekt is available in a handsome **PolyproofX® 1 Injekt Set 5x8 m**, including all required accessories.

Grouting materials:

PUR resin, PUR foam resin, polymer gel matrix, epoxy resin, fine cement.

TECHNICAL DATA

Profile, external dimension:	19 x 23 mm
Profile, dimension injection hose:	external: 13 mm, internal: 8.3 mm
Consistency hull:	plastic (thermoplastic)
Colour core:	dark blue
Colour hull:	light blue
Swelling capacity:	approximately 450%
Swell retardation:	24 hours

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PACKAGING & STORAGE

19 x 23 mm
Coil: 56 m

carton: 40 m (5 coils à 8 m)

pallet: 720

PolyproofX® 1 Injekt has to be stored in a dry place and protected against mechanical damage.

INSTALLATION

The underground surface has to be even, free of loose particles and must not show any sharp-edged displacement. Before installing ensure that ice, standing water and cement sludge are removed.

PolyproofX® 1 Injekt is positioned along the middle of the construction joint on top of the first section, running between the reinforcing rods, fixed with **Contact adhesive Super X® 1** or optionally with clamps. When fixing with clamps, the distance in between the clamps should not be beyond 15 cm to ensure that **PolyproofX® 1 Injekt** is securely fixed in place and will remain so during concreting.

Lightly pushing the water bar into the **Contact adhesive Super X® 1** ensures optimum fixing.

The openings of the hose must be lead through at the right angle from the construction. The hose must be connected to the **Varioclix®**, which is either fixed to the formwork or fixed on the reinforcing bar. The openings of the **Varioclix®** must be easily accessible and carefully labelled to ensure that the correspondent hose can be injected later on.

Uneven surfaces can be smoothened with **Polymer-swellingpaste SX® 100**. The minimal covering of concrete must be at least 8 to 10 cm on all sides. In places of overlaps and circuit points **PolyproofX® 1 Injekt** has to be bonded in parallel minimum 10 centimetres.

In case of mechanical damage to the system (precociously swelling, folding, cuts, holes) the system can longer be applied. Such damaged systems may not be installed and must be replaced.

ACCESSORIES

Item no. 30745-8	PolyproofX® 1 Injekt Set 5x8 m
Item no. 30741	fixing clamp 22 mm
Item no. 30307	Contact adhesive Super X® 1
Item no. 30420	Polymer swelling paste SX® 100
Item no. 10300	Varioclix®

Note:

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