

EUCOPREV TUBE

INJECTION CHANNEL FOR SEALING CONSTRUCTION AND CASTING JOINTS IN CONCRETE STRUCTURES

FIELD OF APPLICATION

EUCOPREV TUBE is an injection channel for sealing construction and casting joints. It is placed in the centre of the pouring joint to be formed. In case of possible water infiltrations after pouring the concrete, the injection channel can be injected with reactive injection resins. EUCOPREV TUBE is a blue/green injection channel with slots. Due to the pressure during injection, the slots open so that the resin can access the pouring joint. The resins swell in contact with the penetrating water to seal the joint.

- Is placed in casting joints
- Around pipe passages
- Cavities between concrete slabs and sheet piles.
- Renewal joints
- Joints between old and fresh concrete yet to be poured
- etc...

BENEFITS & FEATURES

- Environmentally friendly.
- Easy installation, no special equipment required.
- Complete system, supplied with all accessories.
- No penetration of concrete into the channel during pouring.
- Slots open at low pressure during injection.
- Can be adjusted to the required length.
- Can be injected both preventively as curatively.
- Zones without water infiltration do not require injection.
- Can be combined with other waterproofing systems such as metal sealing sheet, synthetic swelling tapes, bentonite swelling tapes, synthetic swelling rubbers, swelling paste, ...

APPLICATION

Application conditions

Check that the pressure that the swelling tape will transfer onto the concrete during swelling is not too big. Sufficient concrete cover is therefore important. Always place the strip in the middle of the pour seam. On each side of the EUCOPREV TUBE, a concrete cover of 7 cm is required to avoid the concrete breaking under the expansion pressure.

Tools & complementary products

- EUCOPREV TUBE ELBOW*
- EUCOPREV TUBE FIX CLIP*
- EUCOPREV TUBE PVC HOSE*
- EUCOPREV TUBE CAP*
- (* to be ordered separately)

Preparations

EUCOPREV TUBE is placed onto a clean and stable substrate.

Application of the product

Cut the injection channel to the desired length, depending on the length of the joint. Maximum length is 10 m. Make sure the ends are smooth and attach the blue EUCOPREV TUBE ELBOW to both ends of the injection channel with a twisting motion. Cut the EUCOPREV TUBE PVC HOSE to the desired length and connect to the EUCOPREV TUBE ELBOW. Close the reinforced PVC tube with the EUCOPREV TUBE CAP sealing caps.

Place the now assembled pieces in the joint and attach with the metal clips and with steel nails every 30 cm. Make sure that the injection hose is always in contact with the substrate. Take into account an overlap of 10 cm between the blue corner pieces. The reinforced PVC injection tubes can be attached to the reinforcing bars with steel wire or can be rolled up in a plastic box that is embedded in the concrete.

Finishing

After the concrete had hardened completely, EUCOPREV TUBE can be injected with EUCCHEM injection resins. Always consult their technical and safety data sheets.

Remove the sealing caps. Before injecting, check that the correct inlets and outlets of the injection hose are known. To verify this, one can simply inject with water and verify where the hose exit is. It is recommended to inject the injection tube with water first, to ensure that there is enough water in the joint for the resin to react. Use different injection pumps to inject the water and the resin to be injected. Use conical packers to connect the injection pump to the reinforced PVC injection channel. Place the conical packer at the inlet of the PVC injection channel and make sure that the conical packer is properly connected to the PVC injection channel. Connect the injection pump to the packer.

Start the injection. If there is water in the EUCOPREV TUBE, it will flow out at the end of the hose. As soon as resin appears at the end of the injection tube, the outlet is closed with a clamp. Then slowly increase injection pressure to fill the joint completely with resin. When the joint is fully saturated, stop the injection and also close the entrance with a clamp. Do not remove the sealing clamps until the resin has cured.

Cleaning of the tools

EUCOPREV TUBE: Does not apply
For the resins: see technical data sheet of the resin used.

MAINTENANCE AFTER APPLICATION

Does not apply.

TECHNICAL DATA

Consumption

- 1 m injection hose per meter of joint. (Take into account an overlap of 3 cm.)
- 3 fastening clamps per meter of injection hose.
- 2 blue corner pieces per injection channel.
- 2 pieces of reinforced PVC channel per piece of injection tube, to be cut to the desired length.
- 2 sealing caps per piece assembled.

Technical data & reaction times

Property	Value
Outer diameter	12 mm
Inner diameter	5 mm
Length of the slots	3 - 3,5 mm
Min. pressure to open slots	> 2 bar
Positioning slots	Clockwise, round about the hose
Weight	140 gr / meter injection hose
Max length injection hose	10 m
Colour	Blue/green
Odour	Odourless

Chemical resistances

When used in applications with chemically polluted water, it is advisable to consult your EUCCHEM BV representative.

Additional documentation & referrals

Always consult all technical data sheets of the products to be used. Always work with clean tools in good condition.

APPEARANCE - COMPOSITION - PACKAGING

EUCOPREV TUBE is a blue/green injection channel.
50 meters per roll.

To be ordered separately:

EUCOPREV TUBE ELBOW - colour blue
100 pieces per bag

EUCOPREV TUBE FIX CLIP
100 pieces per bag

EUCOPREV TUBE PVC HOSE
10 m per roll

EUCOPREV TUBE CAP
100 pieces per bag

Storage takes place on a pallet, clear of the ground, in a dry area between +5°C and +30°C and has an indefinite shelf life, provided it is stored under the conditions described above.

ADDITIONAL COMMENTS

For special applications it is advisable to consult EUCCHEM BV.

SAFETY PRECAUTIONS

Always use personal protection in accordance with the local guidelines. Consult the appropriate safety sheets before use. All most recent safety data sheets are always available at www.eucochem.com. When in doubt, contact our technical service.

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