

Easy inject

Technical Instruction

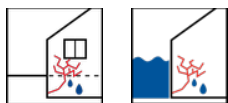
One-component Foam Polyurethane Injection Resin

EasyInject is designed for filling and sealing in materials such as concrete and reinforced concrete masses.

Properties

- ❖ Needs contact with water to start reaction
- ❖ Low viscosity
- ❖ Excellent sealing properties
- ❖ Single component product
- ❖ Short reaction onset time
- ❖ Good chemical, thermal and mechanical resistance

Areas of application



- ❖ Sealing of structures against pressure water
- ❖ Sealing of cracks in masonry structures



Technical product data

	Resin
Color	Brown
Viscosity (23 °C)	450 mPas
Density (23 °C)	1,05 g/cm ³
Foaming with 10% addition of water	830%
Start of reaction (23 °C)	25 s
End of reaction (23 °C)	2 min

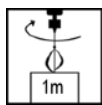
Optional additional products

- ❖ ResinBau CrackOn.5 - mortar to close the crack face
- ❖ ResinBau CrackFlex - for two-stage injection
- ❖ Hammpack® PI-Cleaner - for cleaning injection pumps
- ❖ Injection pump 1K
- ❖ Hammpack® injection packers

Preparation work for injection

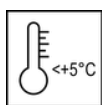
- ❖ This product is intended for professional users only
- ❖ Before starting injection, the condition of the object must be analyzed
- ❖ The substrate must be stable and compact, without loose elements or substances that reduce adhesion, such as grease, oil, etc.
- ❖ Properly drill the holes, depending on the work to be done
- ❖ We suggest to shoe / puncture the scratches or loose parts of the joints and clean the construction dust, so that it can be surface sealed with putty (ResinBau CrackOn.5)
- ❖ The holes should be blown out with compressed air
- ❖ Packers should be installed

Resin preparation



- ❖ Resins must be mixed before injection. For this purpose, a slow-speed mixer will be necessary.
- ❖ Mix such quantities to be able to process them at a fast pace. Fresh resin is much lower viscosity, which makes better distribution in the structure (resin more easily fills the crack / saturates the structure)

Method of application



- ❖ The temperature of the material, environment and substrate should be above 5°C
 - ❖ The resin needs contact with water for foaming and curing
 - ❖ Avoid leaving the resin in the pump tank - absorption of moisture from the air
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- ❖ Prepare the pump for application according to the manufacturer's recommendations
 - ❖ The pressure at which the resin will be applied depends on the structure and size of the crack
 - ❖ Start the application at the lowest point of the crack
 - ❖ Continue the application until the resin leaks from the adjacent packer (the crack face on each side should be closed)
 - ❖ This procedure is necessary to achieve an even distribution of the material
 - ❖ Stop pumping, disconnect the hose from the packer's calamite and move on to the next one
 - ❖ Continue the procedure until the crack fills completely

Cleaning after finished work

- ❖ Clean the pump and equipment with Hamm-pack® PI-CLEANER every time the work stops for more than 10 minutes and after the application is completed.
- ❖ Be careful to maintain proper safety conditions when cleaning.
- ❖ When the cleaner escapes from the injection hose, rinse it out with an appropriate amount of Hamm-pack® PI-SAVER preservative.

Storage Shelf life

- ❖ In a dry place at 5 °C - 30 °C
- ❖ Shelf life 12 months from the date of manufacture in the original, unopened package. Once opened, the life of the product decreases very quickly.

Safety

- ❖ Wear safety glasses, gloves and protective clothing. Avoid contact with skin and eyes.
- ❖ In case of contact with eyes: rinse thoroughly with clean water and consult a doctor.
- ❖ In case of skin contact: rinse abundantly with water.
- ❖ Mix EasyInject residue with sand and dispose of the mixed material according to local regulations.
- ❖ All other information available in the product data sheet.

