

Technical Manual

One-component foaming polyurethane injection resin

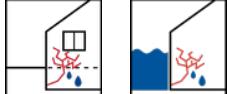
EasyInject is designed for filling and sealing in materials such as concrete and reinforced concrete.

Properties

- ❖ It requires contact with water to start the reaction.
- ❖ Low viscosity
- ❖ Excellent sealing properties
- ❖ One-component product
- ❖ Short reaction start time
- ❖ Good chemical, thermal, and mechanical resistance



Areas of application



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

Product specifications

	Resin
Color	Brown
Tensile strength (PN-ISO-37_2007P)	37,6 kPa
Elongation at break (PN-ISO-37_2007P)	37,1%
Compressive stress at 10% strain (PN-EN 826:2013-07)	6,7 kPa
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

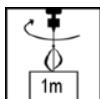
Optional additional products

- ❖ ResinBau CrackOn.5 - crack-closing mortar
- ❖ ResinBau CrackFlex - for two-stage injection
- ❖ Hammpack® PI-Cleaner - for cleaning injection pumps
- ❖ 1K injection pump
- ❖ Hammpack® injection packers

Preparatory work

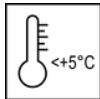
- ❖ This product is intended for professional use only.
- ❖ Before starting the injection, an analysis of the condition of the object must be carried out.
- ❖ The substrate must be stable and compact, and must not contain loose elements or substances that reduce adhesion, such as fats, oils, etc.
- ❖ Drill holes properly, depending on the work being done.
- ❖ We suggest undercutting/roughening the cracks or loose fragments and cleaning them of construction dust, so that they can be superficially closed by filling with mortar (ResinBau CrackOn.5).
- ❖ The holes should be rinsed with water.
- ❖ Injection packers should be installed.

Resin preparation



- ❖ The resins must be mixed (recommended) before injection. To do this, a low-speed mixer will be necessary.
- ❖ Mix quantities that can be processed quickly. Fresh resin has significantly better parameters, which makes it easier to distribute within the structure (the resin fills the crack more easily/saturates the structure).

Instructions for use



- ❖ The material, ambient, and substrate temperature should be above 5°C.
- ❖ The resin needs contact with water to foam and cure.
- ❖ Avoid leaving resin in the pump tank - it absorbs moisture from the air.
- ❖ Prepare the pump for application according to the manufacturer's recommendations.
- ❖ The pressure at which the resin is delivered depends on the structure and size of the crack.
- ❖ Start the injection at the lowest point of the crack.
- ❖ Continue the injection until the resin leaks from the adjacent packer (the face of the crack on each side should be closed).
- ❖ This is necessary to achieve a uniform distribution of the material.
- ❖ Stop pumping, disconnect the hose from the packer nipple, and move on to the next one.
- ❖ Continue the procedure until the crack is completely filled.

Cleaning after work

- ❖ Clean the pump and equipment using Hamppack® PI-CLEANER every time work is stopped for more than 10 minutes and after the application is finished.
- ❖ During cleaning, observe the appropriate safety conditions.
- ❖ If the cleaning agent escapes from the injection hose, rinse it with an appropriate amount of Hamppack® PI-SAVER preservative.

Storage Shelf life

- ❖ In a dry place at a temperature of 5°C - 30°C.
- ❖ Shelf life is 12 months from the date of production in the original, unopened packaging. After opening, the product's lifespan decreases rapidly.

Safety

- ❖ Wear protective glasses, gloves, and 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 contact with skin: rinse abundantly with water.
- ❖ Mix the remaining EasyInject with sand and dispose of the mixed material according to local regulations.
- ❖ For all other information, refer to the product's safety data sheet.

