

Epoxy inject

Technical Manual

Rigid moisture-resistant epoxy injection resin

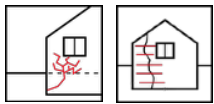
EpoxPower is designed for filling and sealing reinforcement in materials such as concrete and reinforced concrete.

Properties

- ❖ Low viscosity
- ❖ Good tolerance to moisture in the substrate, no mass undercutting
- ❖ Excellent wetting and penetration into porous substrates
- ❖ Good chemical, thermal and mechanical resistance



Areas of application



- ❖ For durable, rigid sealing against water in dry cracks in walls, floors, concrete structures, underground structures
- ❖ Stabilizing \ sealing \ strengthening injections for walls and other building structures.

Product specifications

	Component A	Component B	Mixture
Colour	Colorless	Light yellow	Light yellow
Viscosity (20 °C)	750 mPas	25 mPas	350 mPas
Density (20 °C)	1,15 g/cm ³	0,95 g/cm ³	1,10 g/cm ³
Compressive strength			min. 50 MPa
Tear strength			min. 15 MPa
Stretch to break	About 3,5 %		

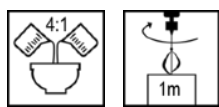
Optional additional products

- ❖ ResinBau CrackOn.5 - crack sealing mortar
- ❖ Hamm-pack® PI-Cleaner - for cleaning injection pumps
- ❖ 1K injection pump
- ❖ Hamm-pack® injection packers

Preparatory work

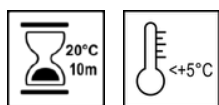
- ❖ This product is intended only for professional use.
- ❖ Before starting the injection, an analysis of the object's condition must be carried out. The substrate must be stable and compact, and cannot contain loose elements or substances that reduce adhesion, such as fats, oils, etc.
- ❖ Properly drill the holes, depending on the work being done.
- ❖ We recommend chipping / cutting and cleaning the crack or loose joint of construction dust in order to close it superficially by puttying (ResinBau CrackOn.5).
- ❖ Blow out the holes with compressed air.
- ❖ Install the packers.

Resin preparation



- ❖ Components A + B (set 100:25). Pour component B into component A. Thoroughly mix with a slow-speed mixer. Remember! Elevated temperature significantly accelerates the reaction time.
- ❖ Mix only as much material as can be processed quickly. Fresh resin has much lower viscosity, which provides better distribution in the construction (the resin more easily fills the crack / saturates the structure).

Instructions of use



- ❖ The temperature of the material, environment, and substrate should be above 5°C.
- ❖ Working time at 20°C is 6 hours.

Temperature [° C]	10 °C	15 °C	20 °C	25 °C
Processing time [min.]	25 min.	15 min.	10 min.	5 min.
Curing time [min.]	12h	8h	6h	4h

- ❖ Prepare the pump for application according to the manufacturer's recommendations.
- ❖ The pressure at which the resin will be delivered 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 out of the adjacent packer (the face of the crack should be sealed from both sides).
- ❖ This is necessary to achieve a uniform distribution of the material.
- ❖ Stop pumping, disconnect the hose from the packer fitting, 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 Hamm-pack® PI-CLEANER every time work is stopped for more than 10 minutes and after completing the injection process.
- ❖ During cleaning, pay attention to maintaining appropriate safety conditions.
- ❖ If the cleaning agent exits the injection hose, rinse it with an appropriate amount of Hamm-pack® PI-SAVER preservative.

Storage Shelf life

- ❖ Store 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. The product's shelf life decreases rapidly after opening.

Safety

- ❖ Store in a dry place at a temperature of 5°C - 30°C.
- ❖ 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 with plenty of water.
- ❖ Mix any remaining EpoxPower with sand and dispose of the mixed material according to local regulations.
- ❖ All other information is available in the product's safety data sheet.

