



SEIREPUR REINJECT

**Waterproofing water-reactive PU resin
for reinjection**

Single-component injectable with pumping equipment

Low viscosity, high penetration

Variable reaction time with SEIRECAT REINJECT

The resulting elastomer does not expand or contract, is hydrophobic, resistant and forms a compact block

Flexible; ideal for cracks subject to small movements

High durability due to chemical stability, resistance to biodegradation, ability to withstand hydrostatic pressure and insolubility in water

Completely insoluble in water, non-polluting to aquifer

Phthalate-free



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SEIREPUR REINJECT

Waterproofing water-reactive PU resin for reinjection

Product description:

The product is a low-viscosity single-component fluid which reacts when in contact with water to form a flexible closed cell polyurethane elastomer for the execution of waterproofing and water-tightening works with the reinjection of water leaks from the inside where previously treated with SEIREPUR INJECT.

SEIREPUR REINJECT solidifies SEIREPUR INJECT foam in a flexible manner and adheres to the walls of any small cracks, providing a long-lasting seal before surface waterproofing work.

Applicable in cracks where water presence.

Applications:

SEIREPUR REINJECT is used for reinjection/sealing of waterways previously sealed with SEIREPUR INJECT which still have small-volume leakage through small cracks, especially where substrates are subject to some movement.

Substrate Preparation:

Make sure cracks are clean and free of dust, with a minimum temperature of +5°C and a maximum temperature of +30°C. To get rid of dust and debris, flush clean the crack with water. This will also trigger the reaction and facilitate penetration of the product.

Drill holes in zig-zag pattern along the length of the crack at an angle of 45°, at intervals of 20-30 cm, to place injectors provided with check valves up to 2/3 of their length.

The hole should have a depth of approximately half the thickness of the concrete. As a general rule, the distance of the hole from the crack should be approximately half the thickness of the concrete.

Mixture:

Shake SEIREPUR REINJECT well before use. To prevent clumping, pour SEIRECAT REINJECT into SEIREPUR REINJECT while stirring and mix until blended. The reaction time varies depending on the water temperature and dosage of SEIRECAT REINJECT.

Accelerator	Dosage	Reaction time
SEIRECAT REINJECT	Min. 5%	Aprox. 120 seconds
	Max. 10%	Aprox. 60 seconds

The reaction starts quickly in the presence of water.

Recommendations:

Always use clean, dry containers. Clean Injection equipment immediately after finishing the work, re-circulating cleaning solvent until you are sure that all traces of SEIREPUR REINJECT have been removed. Do not wait more than 30 minutes after finishing the injection process before cleaning.

The product also reacts with ambient moisture - ensure that the pump boiler remains closed.

Unused product may be stored in airtight containers with only a small amount of air space inside.

Pre-testing is always recommended with SEIREPUR REINJECT to adjust the reaction time. Do not use lower or higher doses than recommended without first asking the Technical Department at SEIRE. The reaction time depends on the surface temperature and temperature of the product itself as well as water hardness.

Method of application:

Inject the mixture with the aid of single-component electrical or pneumatic injection pump in areas previously injected, where there is still some water flow. The ground water will trigger the foaming reaction.

If applied without moisture present, first pump water into the ground to cause the product to react.

Start injecting at the lowest pressure that allows pumping and slowly increase it until the resin begins to flow.

Inject vertical cracks from the bottom up. For injection, connect the pump to the lower injector and add resin until the next injector overflows. During the injection water will flow from the crack, followed by foaming resin and then pure resin. When this happens, close the bottom injector and continue to inject from the next on top and so on.

Once the resin is settled, you can begin injection again.

After injection of a few injectors, return to the first and reinject with resin. To cure this resin, the crack can be post-injected with water.

Let the resin cure thoroughly before removing injectors. The holes can be filled with cement mortar or resin.

Consumption:

Consumption depends on the size of the cracks.

Cleaning of tools and equipment:

SEIREPUR REINJECT can be cleaned immediately after use with a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

Residues/spillages:

Any spillage from any of the components must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment.

Residues from spillage and empty containers must be dealt with in accordance with local regulations.

See product safety sheet for further information.

Storage:

SEIREPUR REINJECT and SEIRECAT REINJECT can be stored for up to 6 months in original unopened packaging. Store in a dry place at temperatures between +5°C and +30°C. Keep away from frost, direct sunlight and sources of heat. Once opened use as quickly as possible because the validity of the material is greatly reduced.

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Precautions:

Wear gloves and goggles, ensuring skin and face are not exposed, in case of breakages of injection hoses or tubes. Remember that you are working with pressure. If you come into contact with the product, wash immediately with soap and plenty of water.

Technical data

(based on tests conducted in our laboratory according to current regulations)

Appearance:	Colourless liquids
Density:	Approx. 1.1 Kg/L SEIREPUR REINJECT Approx. 1.0 Kg/L SEIRECAT REINJECT
Elastomer Density:	Approx. 1.1 Kg/L
Chemical resistance:	Resistant to diluted acids and alkalies and microorganisms
Packaging:	SEIREPUR REINJECT: 25 kg drums SEIRECAT REINJECT: 2.5 kg drums
Storage:	Aprox. 6 months in a cool dry place and in original sealed container.

Seire takes responsibility for the quality of its products. The application recommendations given are based on tests and practical experience.

We will not be held responsible for the product or its application in case of any dosage or application other than as described and recommended. For any questions about this product, please contact our Technical Department. This data sheet remains valid until a new edition is issued.

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