

Description

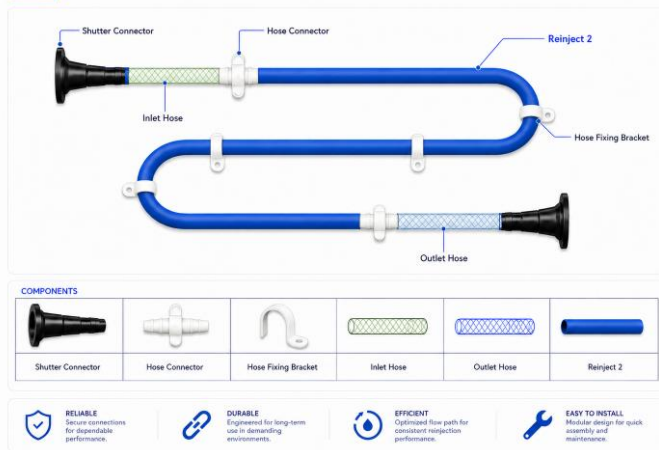
Reinjekt 2 is a pre-installed multiple-injection hose system that eliminates the need for concrete drilling at construction joints. Designed for contractors who need a reliable, cost-effective waterproofing solution that can be installed quickly during construction and re-injected on demand if leakage occurs.

Installed as a joint packing before concrete is poured, the system covers the entire construction joint through a dedicated hose — no drilling required later. This means injection access is guaranteed from day one, saving time and cost if remedial waterproofing is ever needed.

Reinjekt 2 is constructed from specially formulated plastic with special slots that prevent the infiltration of concrete water and laitance during casting, but open when internal pressure is applied. Its flexible nature allows it to follow contours and it should be placed in 10 metre lengths, or up to 30 metres if required.

Reinjekt 2

REINJECTABLE INJECTION TUBE ASSEMBLY



Benefits

- Economical: simple parts and accessories reduce labour and material costs
- Fast installation: clips and pre-cut lengths mean minimal site disruption and no specialist equipment needed
- Can be injected with all currently available grouting materials, including PU resin, EP resin, AC resin and ultra-fine cement
- Repeated injection possible when using acrylic resins only — re-access the joint any time in the future without breaking out concrete
- Can withstand 12 metre head of concrete

General Application

- Construction joints in impermeable concrete structures
- Interface joints of concrete slabs and shotcrete sprays
- Between reinforcement bars where later injection may be required
- Areas requiring scheduled injection without concrete drilling

Application Guidelines

Installation

Step 1 Prepare the substrate: Ensure the concrete base is smooth and flat. Any high spots or ridges must be ground down before

installation to prevent kinks in the hose that would block grout flow.

Step 2 Position the hose: Lay the Reinjekt 2 hose along the joint between reinforcement bars or across the interface joint of concrete slabs. Maximum length per run is 10 metres (30 metres if required for the application).

Step 3 Fix in place: Secure the hose using the hose fixing brackets (clips) at 200–300 mm centres along the full length. The hose must remain flat, straight and free of kinks throughout.

Step 4 Form the injection points: At each end of the hose, 200–500 mm colour-coded tails are provided (Green=inlet, Blue=outlet). Either thread these through the formwork for surface access, or use the shutter connector system to terminate within the joint face. Label or mark injection point locations on the as-built drawings for future reference.

Step 5 Pour concrete and cure: The hose can withstand up to 12 metres head of concrete during casting. The special slots remain closed under concrete pressure and only open when injection pressure is applied.

Installation Checklist — Do's and Don'ts

- ✓ DO: Lay hose flat on a smooth, clean substrate — kinks or bends will block grout flow and compromise injection.
- ✗ DON'T: Place the hose against reinforcement bars — contact with rebar can puncture or restrict the hose.
- ✗ DON'T: Cross ridges, other hose lengths, or allow the hose to cross over itself — this creates pressure dead zones and failed injection.
- ✗ DON'T: Bridge gaps in the substrate — unsupported hose sections can be crushed during concrete pour.
- ✓ DO: Use the colour coding consistently — Green = inlet, Blue = outlet. Record injection point locations on as-built drawings for future reference, particularly on long projects where injection may be years away.
- ✓ DO: Follow the flow of grout during injection — only cap the outlet once clean grout emerges to confirm the joint is fully penetrated.

Single Injection (Any Suitable Grout)

Use this method for first-time injection with a compatible grout.

Step 1 Connect the injection pump to the green inlet hose and leave the blue outlet hose open.

Step 2 Mix the grout strictly in accordance with the grout manufacturer's instructions.

Step 3 Begin injection at low pressure, typically 0.5–1 bar, allowing grout to fill the hose gradually.

Step 4 Continue pumping until clean grout is visible at the outlet hose. This confirms that the hose has been fully charged.

Step 5 Once grout appears at the outlet, cap or close the outlet hose to allow pressure to build inside the Reinjekt 2 hose.

Step 6 Continue injection slowly and increase pressure gradually. Normal working pressure is typically 1–5 bar. Where required for full joint penetration, pressure may be increased to 5–10 bar, subject to the grout manufacturer's recommendations and project engineer approval.

Step 7 Hold pressure for approximately 1–3 minutes, or until grout intake slows and pressure stabilises. This allows grout to be forced through the hose slots and into the full length of the construction joint.

Step 8 Release pressure gradually before disconnecting the pump.



Step 9 If PU resin, EP resin, ultra-fine cement or any non-flushable grout has been used, cap the inlet and outlet hoses after completion. The injection should be treated as a single injection only.

Step 10 If acrylic resin has been used and future reinjection is required, immediately flush the hose before the resin gels. Open the outlet hose, connect a clean water supply to the inlet hose and flush until clean water runs from the outlet.

Step 11 Where possible, reverse flush from the outlet hose back toward the inlet hose to remove any remaining acrylic resin.

Step 12 Use a vacuum or suction pump to remove residual water and uncured resin from inside the hose.

Step 13 Confirm that the hose is clear and flowing freely, then re-cap the inlet and outlet hoses to prevent contamination until future injection is required.

If acrylic resin is allowed to gel inside the hose before flushing is complete, the hose may become blocked and may not be suitable for future injection.

Technical Data

Item	Details
Dimensions	Approximately 11 mm round with 4 mm injection bore
Resin Requirement	Each metre of Reinjekt 2 requires approximately 200 ml of grout for each injection
Compatible Grouts	EP SLV, PU Flex Gel, AC 200, AC 300

For detailed procedures we recommend that you contact your nearest Galaxie Office.

System Components

- Shutter connector
- Hose connector
- Hose fixing bracket
- Inlet hose
- Outlet hose
- Reinjekt 2 hose

Packaging

Reinjekt 2 is supplied in 10 and 100 metre kit form with the option of two different shutter connectors, or as a bulk supply of 100 metre rolls.

Storage

Reinjekt 2 should be stored at room temperature (min 10°C and max 35°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

Health & Safety

Reinjekt 2 should only be used as directed. We always recommend that the Health & Safety Data Sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection.

