

InjectPro-Hose Kit

Waterproofing injection hose system for concrete joints

CSI Div. 03

03 64 00 Injection Grouting

Product Description:

InjectPro-Hose is an injectable waterstop system that creates a channel for the easy installation of InjectPro acrylate and polyurethane chemical grouts. The $\sim 1/2"$ (12.5 mm) permeable tube is installed prior to pouring/placing concrete. Once the shrinkage associated with the concrete curing process is completed, the hoses can be injected with the appropriate InjectPro chemical grout. This allows cracks to open fully before permanently sealing the interfaces and voids within construction joints, pipe penetrations, slurry walls, and slab connections with InjectPro acrylate and polyurethane chemical grouts as well as microfine cements and epoxy resins.

Typical Applications:

- Sealing cold and construction joints, pipe penetrations, joints between slurry walls and slabs.

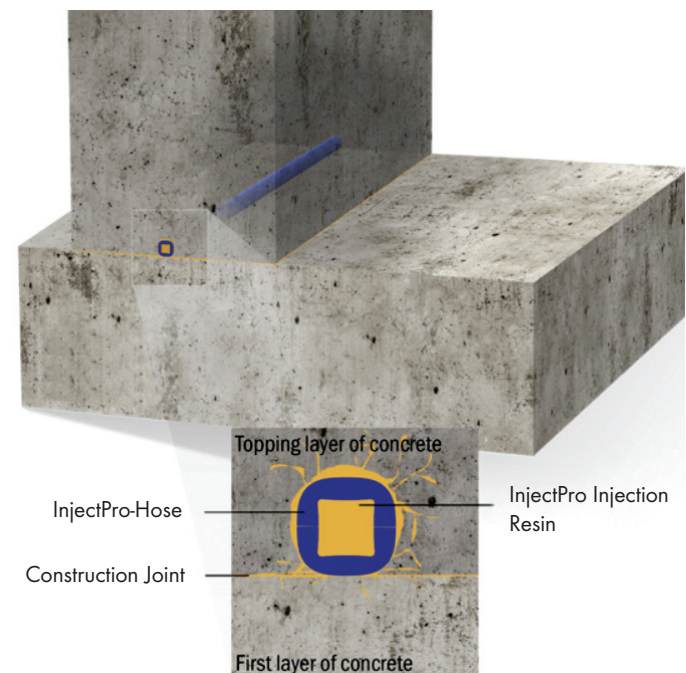
Advantages:

- Channels grout directly into the joint
- Fast, simple installation not requiring special tools
- Low pressure injection
- Provides a permanent seal after injection
- Suitable for many different structures and construction methods
- Injectable anytime after concrete cure
- No drilling required for injection of grouts
- Re-injectable system

Hose Installation Procedures:

- Cut InjectPro-Hose to required lengths, maximum 25' - 32' (8 - 10 m) per section. Attach a red inlet line to one end of the hose, and a yellow vent line to the other end of the hose using the supplied connectors.
- Begin by placing and securing the red inlet line to the desired "starting" point at the interface of the planned concrete section. Continue by placing the InjectPro-Hose along the center of the joint and securing it to the concrete. Exact location will depend on design and function of structure. The InjectPro-Hose is attached using the included fastening clamps spaced roughly every 6" (15 cm), however, spacing may need to be adjusted based on site specific conditions. Ensure the hose is flat against the concrete so that it cannot float or come loose when the fresh concrete is placed. In areas of rough or uneven surfaces, fill any gap between InjectPro-Hose and the surface with Aquafin Waterstop-GunGrade. Finish by securing the yellow vent end to the desired "ending" point at the interface of the planned concrete section. Ensure starting and ending points are easily accessible after concrete placement for proper injection.
- In areas where sections of the InjectPro-Hose overlap, place them side-by-side spaced roughly 1" - 2" (3 - 5 cm) to prevent blockage. Overlap sections by min. 6" (15 cm) to ensure sufficient grout travel.
- Ensure the InjectPro-Hose is not placed too closely to the outside of the

Physical Properties InjectPro-Hose	
Outside Diameter	0.5"
Inside Diameter	0.25"
Maximum hose length	32' section



concrete wall. Placement should be minimum 1/3 to 1/2 of the total wall thickness with minimum 2.5" (6.3 cm) concrete cover on all sides of InjectPro-Hose.

- Entire section of InjectPro-Hose must remain open and free from blockages throughout installation.

Note: Notification of any damage or perforation to the InjectPro-Hose or components, prior to final concrete pour, is the responsibility of the applicator. Notify the Owner, Engineer, and Aquafin immediately.

- Indicate the location of the InjectPro-Hose system in the drawings.
- Contact Aquafin Technical Services at 410-392-2300 for more detailed information.

Grout Injection:

- Patch any visible flaws along the construction joint with AQUAFIN-PlugIC quick setting cement prior to starting injection work.
- The InjectPro-Hose and the InjectPro acrylate and polyurethane chemical grouts are designed as a system. Not all chemical grouts are suitable for injection in this system. Aquafin only recommends the use of the following injection materials:
 - InjectProECO-LV, InjectPro-PM3811-Flex

InjectPro-Hose Kit

1. Flush the InjectPro-Hose through the connection (filling and vent hose or packer) using water or air, ensuring the hose chamber is open and free from blockage.
 2. Begin injecting InjectPro chemical grout with low pressure output between 0.5 and 5 bar. Inject the hose through the connection until the injection resin comes out of the open end of the InjectPro-Hose section.
 3. Plug the open end with an injection nipple as soon as the resin no longer has any air bubble.
 4. The flow and distribution of the injection resin is monitored by the manometer on the pump. Reinjection must be carried out within the gel time of the resin. Once the pump reaches constant pressure the injection process is finished. The joint is full and cannot take additional material.
- NOTE: For use with other materials contact Aquafin:

Kit Contents:

InjectPro-Hose Kit is sold in a pack with the following components:

- 100' roll of InjectPro-Hose
- 4 pieces – red inlet line
- 4 pieces – yellow vent line
- 16 pieces – 2-ear hose clamps
- 100 installation clamps

Unlimited shelf life when stored in a dry place.

Available Accessories:

Cutting tool for hose, junction boxes, filling and venting attachment for injection pump. Contact Aquafin for additional accessories.

Limitations:

- InjectPro-Hose System must be installed by a qualified Aquafin InjectPro Installer in accordance with the InjectPro-Hose Manual for warranty to be effective. Installation by a non-qualified installer will not be covered by any Aquafin warranty.

Note:

Proper application is the responsibility of the user. Field visits by AQUAFIN personnel are for the purpose of making technical recommendations and not for supervising or providing quality control on-site.

Safety:

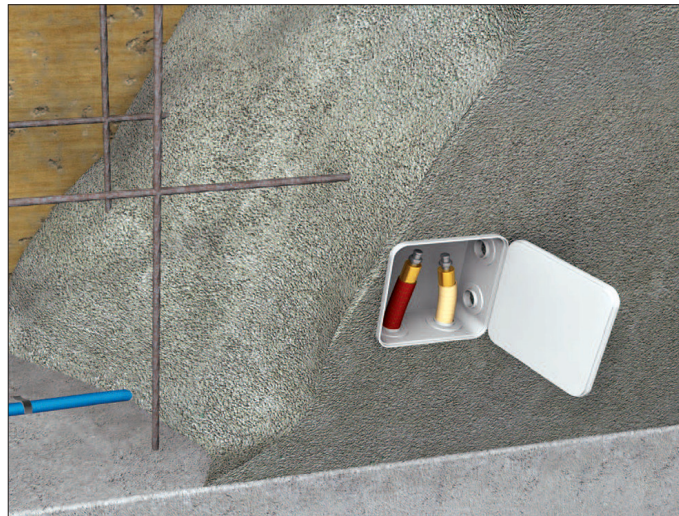
Refer to SDS for each individual chemical grout. For commercial use only. Wear proper PPE as required. KEEP OUT OF REACH OF CHILDREN.

LIMITED WARRANTY: All projects requiring an AQUAFIN product warranty must be registered and approved by AQUAFIN, INC. prior to installation. Refer to AQUAFIN Warranty Availability schedule for a full description of project requirements as well as types and durations of warranties, as not all warranties are available for all projects. AQUAFIN, INC. warrants this product to be manufactured free of defects and to be consistent with its technical properties as stated in our current Technical Data Sheet. Our product recommendations are based on industry standards and testing procedures. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. We assume no warranties written, expressed or implied as to any specific methods of application or use of the product. AQUAFIN INC. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. AQUAFIN, INC. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

For Professional Use Only.



InjectPro-Hose installed using Nail Packers



InjectPro-Hose installed using a Junction Box.