

BluSeal Injection Hose

Re-Injectable Hose for Construction Joint Sealing

Material Description

BluSeal Injection Hose is a re-injectable hose kit which comes complete with all fittings and accessories for installation into construction joints to allow for post-construction sealing.

BluSeal Injection Hose is designed to allow easy injection of construction joints following construction.

BluSeal Injection Hose eliminates the need for drilling into new concrete for injection of resins. The perforated hose is filled through dedicated, permanent injection ports to allow the flow of resin into the joint. This system is ideal where structural durability is essential and long term joint maintenance must be assured.

Characteristics and Benefits

- Allows easy joint repair after construction
- Low cost installation
- Allows targeted injection along construction joint
- Long-term durability against infiltration
- May be incorporated into maintenance regimes
- No drilling required compared to traditional methods

Areas of Application

- Tunnels
- Underground structures
- Retaining walls
- Water retaining structures

Product Data

Compatible Resins

MasterFill PR 1400 (stopping fast flowing water)

MasterFill PR 1450 (sealing slow flowing water and damp areas)

MasterFill ER 1311 (long term structural binding)

Installation

Preparation

1. Clean concrete surfaces and remove all loose particles.
2. Select locations for injection points and measure required lengths of hose.
3. For uneven surfaces, a bead of **BluSeal AD50** may be used to prevent full encasement of the hose during concrete placement.. Consult your Bluey representative for further advice on uneven and inconsistent surfaces.

Assembly

1. Assemble injection hose in accordance with directions contained in the kit.
2. Ensure that at least 200mm of plain hose is embedded within the concrete at each end.
3. Recommended assembly length to be less than 12m, however, injection lengths of up to 30m can be achieved with specialised equipment and processes.

Fixing

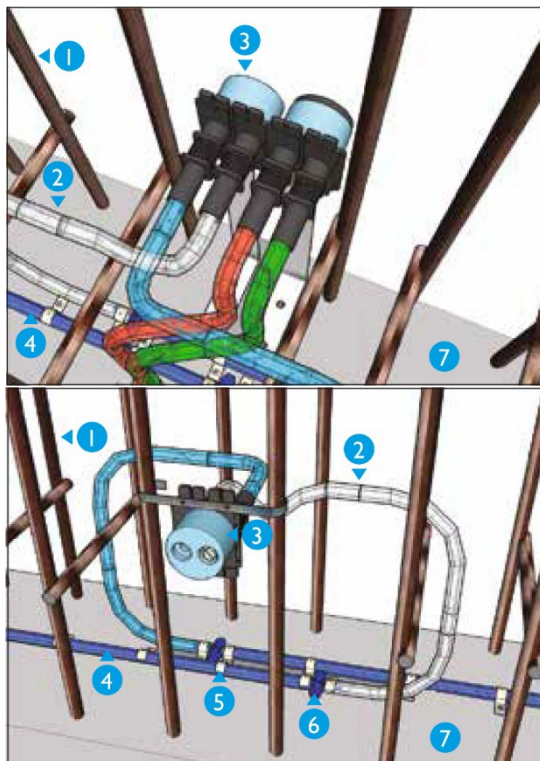
1. Fix the assembled hose to the concrete using the pipe clamps.
2. Ensure that the hose is snug with the concrete surface.
3. The hose should be placed along the centreline of the construction joint.
4. Apply sealant to face of injection nozzle and nail to formwork in final position.
5. Ensure that the position for injection will be easily accessible after completion of the structure.
6. Adjacent lengths of hose shall be installed to ensure that at least 100mm of overlap is provided between perforated hoses along the construction joint.

Injection

1. For information and advice on injecting the BluSeal Injection Hose consult your Bluey representative.
2. Injection must be completed by a suitably experienced applicator.

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1. Steel Reinforcement
2. Solid Reinforced Hose
3. Injection Port
4. Injection Hose
5. Hose Clamp
6. Hose Joiner
7. Concrete Surface

Project Specification Clause

INJECTION HOSE SYSTEM - The Injection Hose System should be manufactured to a high standard of quality and be designed to be used with multiple types of injection resins including polyurethanes, acrylics, low viscosity epoxies and ultra fine cement. BluSeal Injection hose by Bluey Technologies or similarly performing products may be acceptable for use on this project.

Packaging

Per kit:

- 100m injection hose
- 50m solid reinforced hose
- 700 x impact plugs,
- 700 x hose clamps
- 20 x hose joiners
- 12 x injection ports

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Disclaimer

BluSeal Injection Hose ANZ-VI - I 02025

This Technical Data Sheet is provided for general information and instruction only. The properties and characteristics set out herein represent typical testing results under laboratory conditions. Results of actual product characteristics may vary slightly. Site-specific and project-specific conditions may affect product performance, including without limitation: surfaces, environmental conditions, contact conditions, storage conditions, storage timeframes, weather, and climatic or seasonal conditions. Not all product parameters are batch tested as part of the manufacturing quality control process, and performance may vary between batches.

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Emergency Advice

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