

Enviro Injection AHS

Advanced Injectible Hose System



DESCRIPTION

Enviro Injection AHS is an advanced injectable hose system designed for installation in construction joints, ready for subsequent injection materials to ensure a watertight seal in the installed area.

Enviro Injection AHS can be used in most conditions including low temperature and immersion in water. It is tough, flexible and chemically inert and can be reinjected if water ingress persists.

This system can also provide the perfect back up security, particularly when used in conjunction with Enviro Waterstop P-Series.

FEATURES

- Easy application
- Chemically inert
- Flexible
- Compatible with Enviro Waterstop P-Series
- Active protection
- One-way valve
- Strong inner core

TYPICAL USES

Enviro Injection AHS is simple to install and can be used for a variety of applications including;

- Cut and covered tunnels
- Basements
- Bridge decks
- Swimming pools
- Water retaining structures
- Podium slabs
- Water tanks
- Lift pits

SUBSTRATE PREPARATION

The surface must be clean and smooth where Enviro Injection AHS is to be installed. Generally, the surface finish obtained during concrete placement is sufficient without any further preparation.

Any imperfections in the substrate should be filled with a suitable repair product such as Enviro Mortar 45 or Enviro Epoxy B.

For further information on substrate preparation or for project specific advice, please consult EnviroSystems.

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HOSE ASSEMBLY

Fabricate lengths of Enviro Injection AHS to maximum lengths of 10 meters. On both ends of Enviro Injection AHS, securely fix vent hose to required length. Cover the joint between Injection AHS and vent hose with a heat shrinkable plastic sleeve.

PLACING OF ENVIRO INJECTION AHS

Place Enviro Injection AHS along the centre of the concrete section. In thicker sections, ensure that Enviro Injection AHS is placed approximately 250mm from the water entry side of joint. Protect all installed Enviro Injection AHS from any contaminants or mechanical damage and remains clean for concrete placement.

During concrete placement, ensure that all Enviro Injection AHS and vent hose is encapsulated by at least 50mm of concrete. Enviro Injection AHS installed parallel to each other should have a clearance greater than 50mm.

FIXING OF ENVIRO INJECTION AHS

With fixings provided, drill holes into substrate approximately 50mm deep and 250mm apart along the intended installation line. Clamp Enviro Injection AHS against substrate firmly to ensure hose remains in contact with substrate during concrete placement. Enviro Injection AHS should not be allowed to float up at any stage and should not be fixed to any steel reinforcement.

INJECTION

Concrete should be fully cured prior to injection. Generally full cure of concrete is considered 28 days; however this could vary due to concrete design, design thickness etc so it is the responsibility of the installer to determine the full cure.



Fill Enviro Injection AHS with required material, starting from one end and pump until materials flows out at the other end. Plug with supplied packer. Always ensure injection pump reaches a minimum of 2 bar pressure and continue while material is being consumed. Once pressure stabilizers and no material is being consumed, injection pressure should be increased to 20 bars for approximately 5 minutes.

When no decrease in pressure is noticed, stop the injection. Repeat this injection process from the other end of Enviro Injection AHS to ensure the same pressure distribution is achieved across the length of the joint.

Once injection is finished, clean any unset material from the exposed hose so not to impede reinjection at a later date (if necessary).

PACKAGING & COLOURS

Enviro Injection AHS is available in 200 lineal metre kits which includes fastening clips, heat shrinkable sleeves, and plugs.

SHELF LIFE

Enviro Injection AHS can be stored in its original packaging indefinitely. Ensure during storage that Enviro Injection AHS is not exposed to any contaminants. Always check product quality before using after prolonged periods of storage. If unsure contact EnviroSystems for advice.

HEALTH & SAFETY ADVICE

There are no known risks associated with handling of Enviro Injection AHS. The applicator is responsible to ensure a full understanding of the safety requirements of the injection resin material being used.

We're here to help you!

It is a good idea to keep a journal of your waterproofing job, whether big or small.

- Take pictures at all stages of your work, including preparation
- Record the quantity and description of products used with corresponding batch numbers
- Record dates and times of when you applied products, from start to finish

Please do not hesitate to contact us for any questions you may have.

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STATEMENT OF RESPONSIBILITY

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