



## Triton Injection Tube

### Description

Triton Injection Tube is designed for waterproofing construction joints in new and old structures. Triton Injection Tube has been designed specifically for the multiple injection of suitable grouts into construction joints and other areas that may require injection at a later date.

Triton Injection Tube is constructed from a specially formulated plastic with special slots, which 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 should be placed in lengths of 10 metres (up to 30 metres if required).

### Key Benefits

- Simple Installation
- Can be injected with all known resins
- Repeated injection possible
- Can withstand up to 12 metres head of pressure
- Can be installed up to 30 metre lengths

### Typical Applications

- Concrete construction joints
- Shotcrete interfaces
- Basement waterproofing
- Water tanks
- Bund walls
- Pipe penetrations

### Application Guidelines

Triton Injection Tube can be placed between the reinforcement bars or along the interface joints of concrete slabs. It is held in place using specially designed clips to ensure it remains in place even during concrete pouring.

The concrete base to which the tubing is fixed should be smooth and flat to ensure that the tube lays flat without any kinks that would interfere with the performance of the tube.

The tubing is then placed on the flat surface and fixed onto the concrete with clips at approximately 200 to 300mm centres throughout the required length. At either end of the hose, there are 200mm-500mm lengths of hose, these are colour coded blue and clear, this helps to identify where one length starts and the other end finishes. There are two alternative ways of forming the injection points. The standard way is for these lengths to be placed through the formwork to provide easy access when the injection work is required.



*Cast in place*



*During Injection*



*After cleaning out Injection*



The alternative is to use the shutter connector system.

**Note:** It is important that the Triton Injection Tube is placed flat to ensure correct installation, and must not be placed against reinforcement, does not cross ridges including other lengths of hose or itself and must not bridge gaps.

When placing the tube, ensure that it is placed consistently using the colour coding. This will make it easier when injecting the resin especially when the injection will be carried out at a much later date. When injecting, follow the flow of the resin to ensure thorough penetration is achieved.

**Technical Data – Triton Injection Tube**

Colour	Orange
Size	Internal 5-6mm
External	12mm
Construction	Virgin PVC
Slot length	4mm
Toxicity	Non-Toxic

**Resin Requirement**

Each metre of Triton Injection Tube requires approximately 200ml of grout for each injection, we recommend the use of Tampur 170 injection resin or similar. For more detailed advice please contact Triton.

**Packaging**

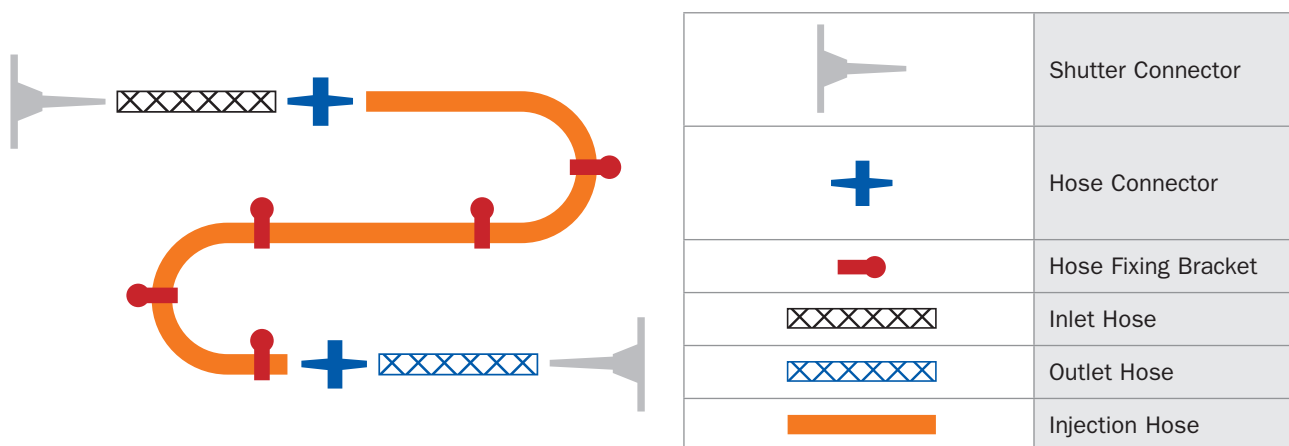
Triton Injection Tube is supplied in 10 metre packs and 100 metre packs complete with fixings and a choice of hose ends. Bulk is available on request.

**Health & Safety**

Triton Injection Tube 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.

**Storage**

Triton Injection Tube should be stored at room temperature (min 10°C and max 35°C), kept dry and out of direct sunlight.



**Triton Contact Details:**

Triton Systems  
 Units 3 – 5 Crayford Commercial Centre, Greyhound Way, Crayford, Kent DA1 4HF

Tel: 01322 318830  
 Fax: 01322 524017  
 Email: info@tritonsystems.co.uk

[www.tritonsystems.co.uk](http://www.tritonsystems.co.uk)