

# TECHNICAL DATA SHEET

## DUINJECT HOSE

### Re-injectable Grout Hose.

**DUINJECT HOSE** system is essential for the construction of watertight structures. The joints should be arranged in such a way that crack formation is virtually eliminated.

It is important for the contractor that joints are a simple but safe design. Conventional joint constructions can be extremely costly, unsuitable for the intended purpose and consequently often cause leakage. Cracks in the form of nominal cracking points are not methodically planned, crack formation is left to chance.

When damage occurs, leakage is restrained by injection at specific points. The cost of this operation is difficult to calculate and is usually considerably underestimated. This knowledge has resulted in the development of a system, which as a joint packing for scheduled injection through a special hose system, covers the entire area of joint without concrete drilling. It has been designed specifically for the multiple injection of suitable grouts into construction joints.

**DUINJECT HOSE** is constructed from a specially formulated plastic with special slots, which prevent the infiltration of concrete water and laitance during casting but opens when internal pressure is applied. Its flexible nature allows it to follow contours and should be placed at lengths of 10 meters (up to 30 meters required).

### FEATURES:







- Economical to work out due to simple manufactured parts and assembled accessories.
- Simple Installation.
- Can be injected with all available grouting materials (PUR Resin, EP resin, acrylic resin, and micro fine cement)
- Repeated injection possible only with acrylic resin

### APPLICATION GUIDELINES:

**DUINJECT HOSE** 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 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 on to the concrete with clips at approximately 200 to 300 mm centers throughout the required length.

	Shutter Connector
	Hose Connector
	Hose Fixing Bracket
	Inlet Hose
	Outlet Hose
	<b>DUINJECT HOSE</b>

At either end of the hose, there is an inlet and outlet hose with a length of 200 to 500 mm lengths. These are color coded blue and clear,

which 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.

**Note:** It is important that the **DUINJECT HOSE** is placed flat to ensure correct installation and must not be placed against reinforcement. It should not cross ridges or cross itself or other lengths of hose and must not bridge gaps.

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

It is recommended that a water test is conducted prior to injection. A water test can be performed by injecting water into the tube, to check that the tube is clear from restriction and has been installed correctly. Any large areas of leakage can also be plugged prior to injection.

#### **DIMENSION:**

Approximately 11 mm round and 4 mm injection bore.

#### **Resin Requirement:**

Each meter of DUINJECT HOSE requires approximately 200ml of grout for each injection.

For Detailed procedures we recommend that to contact our Duproof representatives.

#### **STORAGE:**

**DUINJECT HOSE** should be stored at room temperature (min10°C and max 35°C), kept dry and out of direct sunlight.

#### **HEALTH & SAFETY:**

**DUINJECT HOSE** should only be used as directed. Our recommendations for protective equipment should be strictly adhered to for your personal protection.