



# Dr. Fixit Inject RI

## REINJECTABLE HOSE WATERSTOP WITH INTEGRAL VALVE FOR INJECTION GROUTING OF CONSTRUCTION AND COLD JOINTS

### Description

Dr. Fixit Flexi Inject RI is specially designed flexible solid PVC Nitrile Blend (thermoplastic Rubber) covered by Nylon Braiding to waterproof and seal any crack or voids in the joint area to eliminate possibilities of leakage in future.

### Areas of Application

- Its use prevents passage of water through concrete joints like Water reservoirs / tanks.
- Canals and Dams.
- Sewage treatment plants.
- Any sub base concrete construction.
- Water excluding or retaining structures.

### Features

- Uses unique valve techniques for injection by Dr. Fixit Inject RI hose and acrylate resins.
- Easy to install - Fast & easy installation procedures even to complicated structures and construction methods.
- Eco friendly- Non Hazardous and user friendly hoses.
- Reinjection - Suitable for reinjection through same hose to seal future leakages.

### METHOD OF APPLICATION

#### PRE-INSTALLATION

- All Dr. Fixit Inject RI hose and accessories should be protected from oil, dirt, concrete spatter and damage.
- The surface where the Dr. Fixit Inject RI Hose generated by an internal vibrator while compacting the concrete will usually be suitable.
- The concrete base where Hose is going to installed should be smooth and flat to ensure the tube lays flat without any kinks that would interfere with the performance of the tube.

#### INSTALLATION

- Dr. Fixit Inject RI hose can be placed between the reinforcement bars or along the interface joints of concrete slabs.
- Grouting Tube must be located at as close as possible as center line of wall or slab, with only the vent ends crossing the grouting Tube.
- Place the Dr. Fixit Inject RI hose at every 200 to 300 mm gap to be fixed using specially designed clips to ensure the hose remains in place during concrete pouring.
- Connect the accessories as below given diagram.

### Precautions & Limitations

- When hose length is altered then the end edges must be seal immediately to avoid opening of nylon mesh.
- The attachments must be used form same.

### Technical Information

TEST	REFERENCE STANDARD	RESULTS
Inner diameter		6mm
Outer diameter		19mm
Shore A Hardness- Inner core	ISO 686	85±3
Shore A Hardness - outer profile strip	ISO 686	20±5



Tensile strength - inner core	ISO 527-1	>8 N/mm <sup>2</sup>
Tensile strength - outer profile strip	ISO 527-1	>0.5 N/mm <sup>2</sup>
Tensile strength - mesh	ISO 527-1	>300 N
Elongation strength - inner core	ISO 527-1	>300 %
Elongation strength - outer profile strip	ISO 527-1	>250 %
Elongation strength - mesh	ISO 527-1	>20 %
Water absorption	ASTM D 570	<0.12% in 24 Hrs
Low temperature flexibility at -25Degree C	ASTM D 1970	No Crack

### Packaging & Colour

Dr. Fixit Inject RI Hose is available in 100 meters roll in red and black color.

### Shelf Life & Storage

- Boxes should be stored in dry and cool rooms for up to 12 months.
- Protect the material against moisture and direct sunlight.
- Storage temperature: 20 to 30°C Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.
- 4 years from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C.

### Health & Safety

- These are no known health hazardous associated with normal use.

### Other Products Categories available

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Pidilite Industries Limited  
Construction Chemicals Division  
Ramkrishna Mandir Road, Post Box No. 17411  
Andheri (E) Mumbai 400059 INDIA  
Tel +91-22-2835 7000 • Fax +91-22-2835 7008  
www.drfixit.co.in • info@drfixit.co.in

Dr. Fixit Advice Centre (Toll Free No.) 1800 209 5504

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