



HIND INJECTO TUBE

PRODUCT DATA SHEET

REINJECTABLE GROUTING HOSE FOR PREVENTION OF LEAKAGES IN CONSTRUCTION AND COLD JOINTS IN CONCRETE

Hind Injecto Tube is an advanced, specially designed injection hose system to prevent passage of water through construction joints. The hose is built up to be tough, flexible and resilient in nature and is not affected at low temperature and immersion in water. It has a solid red inner core with a injection hole running in longitudinal direction through the centre. Three moulded grooves are designed which runs along the entire length of the hose. Few number of openings 2.5 mm in diameter at a spacing of 10 cm apart appears in the grooves in staggered way. Strips made out of closed cell neoprene covers the three grooves and it functions as a one way valve. The entire hose is housed in a wide meshed nylon fabric sleeve.

USES

Hind Injecto Tube is recommended for use in construction and cold joints, water retaining structures, tunnel, sewage treatment plant, construction of underground structures around pile heads & basements.

ADVANTAGES

- Easy installation even at complicated details.
- No requirement of drilling for fixing, hence concrete is not damaged.
- Its reinjection options helps to stop leakages caused by settlement or any type of structural movement. It also helps to prevents leakages at a later stage of its installation.
- It is built up of a solid inner core and is not damaged under concrete pressure making the injection material flow smoothly without and disturbance.
- Being chemically inert, it does not deteriorate even if injection of materials like polyurethane, epoxies and cement is done.
- It is highly flexible and is easily installed at corners without cutting or jointing.
- It can withstand high and low injection pressure.

INSTALLATION

It has to be always ensured that before installation, the correct type of injection hose is selected for the project along with all accessories and equipments.

Surface Preparation

The concrete surface shall be smooth , clean, free from oil or grease and contamination. If any honey comb are existing near the joint it is to be properly patched off and further cleaned to make it free from dust and all loose materials.

Assembly/Fixing of Hose

The injection hose should normally be placed as close as possible to the centre line of the slab or wall for a suitable length plus the outlet and inlet vents. This vents allow the injection and each vent are identified with different colours (white/red). The length of this vents are between 400 -700 mm long and are selected as per project requirements. The outlet and inlet vents are housed in boxes or catchers and placed at a convenient place to ease injection operation. Normally hose clips are used for fixing of the hose. Vent ends to be sealed with caps so that green concrete does not go inside and choke the hose when set.

Injection

The injection pressure initially should be between 70-165 psi. Once the injection material fills up the joint area the pressure is to be increased from 540 -650 psi and maintained for 4-5 minutes so that the injection material is allowed to flow and penetrate all the weak areas and pores in concrete. piston type pumps are used for injection operation.

Note: Before injection it is to be ensured that the age of the concrete is more than 28 days old.

PROPERTIES

Material	PVC
Internal Dia	6mm to 11mm
External Dia	11mm to 19 mm
Injection Opening	6mm to 8mm
Typical Injection length	10 to 15 Mtr.
Injection Material	Cement, Micro-fine Cement, Resins and Polyurethane Grouts.

SHELF LIFE

It has any indefinite storage life and should be stored in a place away from oil, dust concrete rubbles etc .

PACKING

As per requirement.

Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
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