



AREA OF USE

- For construction joints.
- Recommended for lean and reinforced concrete surfaces

TECHNICAL DATA

Properties	Typical Value
Profile	Round with 4 Semi-circular Grooves
Colour	Light Blue
External Diameter	13mm
Internal Diameter	6mm
Metre Marking At	1M interval
Outlet Length	≈ 5mm
Outlet Spacing	≈ 15mm
Re-injection Materials	Superfine Cement MVX AcryGel S.E.A. Pro
Non re-injection Materials	PUR Foam Resin PUR Resin Epoxy Resin

➤ Packaging

120M Running Hose

MVX RGT-1 ProTube is robust, tested and made of specially composed artificial material for easy workability and safe functionality. It acts as transport line for the grouting material which is injected after the concrete works.

In regular intervals, the injection hose is equipped with outlets showing in all directions and giving best injection quality.

Depending on the material properties, the wall thickness of the hose is selected so that the micro outlets open at 1 bar and the injection material gets into the area of the construction part to be injected.

The result is a sure and permanent sealing of the construction joint. The micro-outlets safely prevent slurries and foreign matters from penetrating the injection hose.

After the injection process has been finished, the micro-outlets close again by relaxation of the coating which had been compressed during the injection work.

The maximum hose length is 15m between each junction box.

➤ Application

MVX RGT-1 ProTube must lie flat on the surface of the first concrete layer. Fix MVX RGT-1 ProTube with brackets or a grating with distance about 10cm to 15cm or less.

Aligning with the wall centre is the ideal position of the MVX RGT-1 ProTube. The distance of MVX RGT-1 ProTube hose to the outer edge of the joint must be at least 10cm.

In the area of hose joints, the two hoses must overlap by 15cm and lie parallel at a distance of 3cm to 5cm between them. The connection at the nail packers or the filling and vent systems have to be positioned so that they are perfectly accessible.

➤ Injection

The MVX RGT-1 ProTube will be injected only after 28 days at the earliest. Visible flaws along the construction joint must be filled with quick-set cement before the injection work.

The injection can be carried out differently by:

- > **Nail packers, injection hose packers**
- > **Filling and vent hose**

By flushing with water or using air to check if the inner passage of the injection hose is free of blockage.

Through the connection (filling and vent hose, nail packer, injection hose packer) the injection hose is injected until the injection material comes out at the open end which is plugged with the injection nipple as soon as the injection material comes out without any air bubbles.

During the injection works, the flow and distribution of the injection material in the construction joint can be monitored with the manometer of the injection pump.

Required re-injection must be carried out within the processing time of the material and until the pressure remains constant. Constant pressure shows that the construction joint cannot take more material. The injection process is finished.

Residual injection material is rinsed out with water and nearly without pressure. After this procedure, the injection canal can be used for further injections.

Prior to the injection of superfine cement (mineral injection material) or MVX AcryGel S.E.A. Pro, the injection hose is rinsed with water.

If epoxy resin, PUR foam resin or PUR resin is used, the hose cannot be rinsed. It is not possible to use it for injection hose.

➤ Cleaning

All tools and equipment must be cleaned immediately with clean water after use. Hardened material can only be removed by mechanical means.

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