

HYDROSTOP RI

Injectable Hose System

DESCRIPTION

HYDROSTOP RI is a PVC injection hose which is designed for application to construction joints in concrete, where the integrity of the joint is sealed by post injection. HYDROSTOP RI is suitable for use in conjunction with both microfine cement grouts and polyurethane resin grouts depending on the application. Easily installed at the construction stage and can be re-injected at any point during the lifetime of the structure.

USES

HYDROSTOP RI is used for the effective sealing of construction joints in underground structures, including tunnels, reservoirs, dams, and other high-risk applications where it is important to be able to maintain the integrity of the construction joint throughout the lifetime of the structure. It is also particularly suitable for use in construction joints where there is a limited thickness of concrete which precludes the use of a hydrophilic water stop.

HYDROSTOP RI 6mm diameter is part of the HYDROPRUFE PVC-M compartmentalized waterproofing system. It is installed in conjunction with HYDROBAR PVC to allow injection into each zone as part of the maintenance regime on the built structure.

ADVANTAGES

- Suitable for re-injection.
- Easily installed and applied to complex structures.
- Can be used in conjunction with hydrophilic and PVC water stops.
- Effective sealing of poorly compacted concrete.
- Design life at least equal to that of the structure where it is incorporated.

Property	Value
Colour	Green
Weight	0.11kg/m
Internal Diameter	11mm / 6mm
External Diameter	19mm / 13mm
Perforations	20 per 100mm length

PROCEDURE

Surface Preparation: Ensure the substrate to which the HYDROSTOP RI is to be applied is clean and free from oils and dust. The surface should be free from excessive undulation.

Application: HYDROSTOP RI should be fixed securely to the concrete centrally within thickness of a joint using the hose clips provided at 150mm centres. The injection box should be fitted to the outer reinforcement bars, ensuring that it is fitted tightly against the face of the shutter. The ends of the HYDROSTOP RI should be fitted into the connector pieces inside the injection box. Ensure that the ends of 2 consecutive lengths of HYDROSTOP RI are installed with a minimum overlap of 150mm and 20mm apart from each other. Once the concrete has been poured, then the HYDROSTOP RI can be injected using either a microfine cement or an injection resin from the PREMCRETE HYDROCRYL range.



Revision date: 23/1/23

PACKAGING & COVERAGE

Pack Size: HYDROSTOP RI is supplied in 100m packs.
One pack consists of the following ancillary items:

Plastic injection port boxes
Ventilation hose
Injection port
Injection nipple
Hose cap
Fixing Clips

STORAGE & SHELF LIFE

HYDROSTOP RI should be stored in cool dry conditions away from direct sunlight. When stored in original packaging it will have a shelf life in excess of 2 years.

HEALTH & SAFETY

See separate material safety datasheet.