DESCRIPTION
Idrostop Multi 11 and Idrostop Multi 19 are PVC-P hoses for sealing and waterproofing injections in construction joints.

WHERE TO USE
Idrostop Multi 11 and Idrostop Multi 19 are used for injection of waterproofing materials (resins and/or cementitious grouts) in building joints.

Some application examples
- Tunnels.
- Constructions of stations in new metro lines.
- Horizontal sealing of construction joints: base/base, base/wall, cover/cover.
- Vertical sealing of construction joints: wall/wall.
- Civil structures in general.

TECHNICAL CHARACTERISTICS
Idrostop Multi 11 and Idrostop Multi 19 are made up by an internal hose covered by an external one. The internal pipe has got an exit opening every 20 mm, everyone rotated 90°. The external surface has got longitudinal openings to help flow the injected material. They are offset from the openings on the internal hose, thus preventing the entrance of the cement paste inside the Idrostop Multi. The difference between Idrostop Multi 11 and Idrostop Multi 19 is the hoses diameter. Idrostop Multi 11 has an external diameter of 11 mm and can be used for injections of chemical resins, such as polyurethane (Restfoam 1 KM, Foamjet 260 LV, Foamjet T, Foamjet F), organo-mineral (Silicajet ST, Silicajet EXP), epoxy (Epojet, Epojet LV), acrylic (Mapegel UTT System). Idrostop Multi 19 diameter is bigger, 19 mm, and allows the injection of both chemical and cementitious grouts (grouts with Microcem, Mapegrout Compact, etc.). Both hoses are suitable for multiple injections. Idrostop Multi 11 and Idrostop Multi 19 have to be installed on clean surfaces. Any loose parts have to be removed. It is suggested to finish the joint surface with trowel during concrete working and not to have an excessive rough surface. The hoses have to be fixed to the concrete section by means of suitable clamps. The distance between two clamps has to be between 15 and 20 mm for the Idrostop Multi 19 and approximately 10 mm for the Idrostop Multi 11. This is important to ensure a perfect contact between the hose and the concrete surface.

The maximum length of the laid injection hose can be approx. 12 m for the Idrostop Multi 11 and 15 m for the Idrostop Multi 19. The concrete cover layer shall be at least approx. 10 mm. After the complete concrete curing, the injection can be carried out. The injection of the chemical resin or the cementitious grout starts from one side of the pipe. When the liquid flows out from the opposite exit, close the end of the hose and continue injecting until reaching the pressure gauge.

All the accessories for applying and using Idrostop Multi 11 and Idrostop Multi 19 are available upon request.
PACKAGING
Idrostop Multi 11 and Idrostop Multi 19 are supplied in 100 m long rolls, sealed in tight shrink film. Every pallet can contain up to 20 rolls, for a maximum of 2,000 m of hose per pallet.

STORAGE
Idrostop Multi 11 and Idrostop Multi 19 can be stored for maximum 5 years when protected from frost and direct exposure to sun light.

PRODUCT FOR PROFESSIONAL USE.

WARNING
Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

All relevant references for the product are available upon request and from www.mapei.com