



Mapeplan Joint

Highly Flexible PVC Profile for Sealing and Waterproofing Tunnel Segments Joints



1. Cleaning

It is necessary to clean the joint by hand tools and/or with high-pressure water jets, removing dust/mud as well as CaCO_3 residuals that may be visible along the joint.

2. Mapeplan Joint

Following the cleaning step, it is necessary to introduce *Mapeplan Joint R* in the joint, starting from transversal joint and then to the longitudinal ones.

The junction point between transversal and longitudinal profiles can be closed with the specific T-shaped joint *Mapeplan Joint RT*.

Junctions between transversal and longitudinal joints, as well as the profiles themselves, must be sealed.

3. Injection

Injection resin must be prepared according to the Technical Data Sheet. Once ready, the resin must be pumped through the **Mapeplan Joint INJK** injection needle, which can be inserted through the joint profile and reused several times.

Resfoam and **Foamjet** products are polyurethanes characterized by a moderate to high foaming factor once in contact with water or in absence of it, resulting in a fast sealing of the gap.

Silicajet products are organic-mineral fast-reacting resins characterized by moderate to high foaming factor. They react with or without water, resulting in a fast sealing of the gap to be treated.

Mapegel products are flexible hydrophilic gels characterized by a very adjustable gelling time, high adhesion to surfaces and lack of foaming. They are effective in wet and dry conditions.



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