

Aqua-reactive PU Injection Resin Containing Margel™ Anti-corrosion Inhibitor

VPI 610 – Leak Sealing for concrete structures

VPI 610 is a highly flexible, solvent free, one component aqua-reactive polyurethane injection resin for water cut-off in wet dynamic cracks and joints. Reaction with water yields a very flexible, but tough foam. Once cured the active Margel™ component quickly vaporises and permeates the concrete structure. Its alkalinity ensures early passivation of corrosion as it is adsorbed to the reinforcing steel surface, blocking the path of Chlorides, Water and Oxygen, the fuel of reinforcement corrosion.

Uses

Injecting into cracks and open fissures in concrete and masonry structures where water leaks are to be controlled. Injection into construction and pipe joints, tunnel segment joints, etc. where a flexible end product is required.

Advantages

An extremely efficient injection resin for leak sealing use where structural movement is anticipated or where a flexible material is required. Excellent penetration into cracks, fissures, voids and porous substrates. Exhibits good adhesion to various substrates.

Application

Injection is by a single component pump through injection packers or ports as appropriate. The speed of reaction is dependent on percentage of accelerator used and water temperature.

610 is not specially formulated to stop fast flowing or water under undue pressure. Where such conditions are encountered, please contact our technical department.

Package & Storage

VPI 610 is supplied in 20kg drums. Margel is supplied in 1kg bags. Accelerator is supplied in 2.5kg plastic containers. Store in original containers in a dry area, protect from heat and sunlight. Once opened, use as soon as possible.

Technical Data – Reaction Times (15°C)

<u>% Accel dosage</u>	<u>Induction Time</u>	<u>Gel Time</u>
6 %	30 sec	115 sec
8 %	25 sec	90 sec
10 %	20 sec	75 sec