

## **Aqua-reactive PU Injection Resin**

### **VPI 622 – Open Granular Soils**

VPI 622 is a solvent free, one component aqua-reactive polyurethane injection resin. It is sufficiently fast reacting to cut-off active or gushing water flows, even under pressure. When 622 comes into contact with water, it reacts to produce a rapidly expanding closed cell foam. This rapid expansion acts to close off flow paths and hence arrest movement of free water. The foam is moderately flexible, hydrophobic and chemically resistant. It is harmless to the environment and resists biological attack. Accelerator is added to VPI622 to vary the speed of reaction for the required application.

#### **Uses**

Injecting into cracks and minor open fissures in concrete and masonry structures where water leaks are to be controlled. Injection into open, granular soils where specialised stabilisation is required.

#### **Advantages**

An extremely efficient injection resin for leak sealing use where water is encountered in loose granular soils. Exhibits excellent penetration into voids and porous 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.

Reaction times are set according to the soil types being injected.

622 may be used to control fast flowing water or water under pressure. Where such conditions are encountered, please contact our technical department.

#### **Package & Storage**

VPI 622 is supplied in 20kg drums. Accelerator is supplied in 2kg 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>
1%	1min 40 sec	11 min
2%	45 sec	6 min
6%	35 sec	2 min 20 sec
10%	20 sec	1 min 10 sec