

# P100 Injection Resin

## Aqua-reactive PU Injection Resin

Stabila P100 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. Stabila P100 Accelerator is added to Stabila P100 to vary the speed of reaction for the application in hand. When P100 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

### 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 flowing water is encountered.

Exhibits excellent penetration into voids and porous substrates.

### Application

Stabila P100 injection is by single component pump through injection packers or ports as appropriate.

Speed of reaction is dependent on percentage of accelerator used and water temperature. Cold water will increase reaction times. Where cold water, or relatively fast water flows occur,

higher accelerator dosage is necessary. There is no advantage to be gained by increasing the accelerator dose beyond the recommended maximum.

Stabila P100 may be used to control fast flowing water or water under pressure, but where such conditions are encountered, please contact our Technical Department before use.

### Package & Storage

Stabila P100 is supplied in 20kg drums. P100 accel-

erator 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.

### Health & Safety

Avoid contact with eyes and skin. Follow advice in separate Health & Safety data sheet.

### Technical data

	P100	P100 Accelerator
Form	Liquid	Liquid
Viscosity (25°C)	170±20 mPas	25±10 mPas
Colour	Brown	Yellow/clear
Specific gravity (20°C)	1.15	0.995
Flashpoint (TOC)	>150°C	>130°C
Mixing ratio	1% to 10% Accelerator by weight	
Application temp	Not less than 5°C	

### Reaction times (15°C)

% Accel dosage	Induction time	Gel time
1% (by weight)	1 min 40 sec	11 mins
2% "	45 sec	6 mins
6% "	35 sec	2 min 20 sec
10% "	20 sec	1 min 10 sec