

Stabila P500

Flexible Leak Sealing Injection Resin

Stabila P500 is a solvent free, one component aqua-reactive polyurethane injection resin of medium viscosity that produces a tough, highly flexible, closed cell foam without shrinking. When P500 comes into contact with water, it reacts to produce an expanding foam that acts to close off flow paths and hence cut off active water flows, even under slight pressure. Stabila P500 Accelerator is added to vary the speed of reaction. The cured foam is hydrophobic and chemically resistant. It is harmless to the environment and resists biological attack. This product has been tested and satisfies the requirements of The Approval & Use of Products with a Small Surface Area in Contact with Waterq Advice Sheet 8, as published by the Drinking Water Inspectorate

Uses

Injecting into cracks and open fissures in concrete and masonry structures where leaks are to be controlled.

Injection into construction and pipe joints , tunnel segment joints, etc. where a flexible end product is required.

May also be used for stabilising open gravels in specific environments.

Advantages

An extremely efficient injection resin for leak sealing in cracks/joints subject to movement.

Excellent penetration into cracks, fissures, voids and porous substrates.

Highly flexible, tough foam with excellent adhesion to substrate.

Application

Stabila P500 injection is by single component pump

through injection packers or ports as appropriate.

Speed of reaction subject to percentage of accelerator used and water temperature.

Where cold water, or active water flows are encountered, higher accelerator dosage may be necessary. There is no advantage to be gained from increasing the accelerator beyond the recommended maximum.

Stabila P500 is not formulated to stop fast flowing or water under undue pressure. Where such conditions are

encountered, please contact our Technical Department.

Package & Storage

Stabila P500 is supplied in 20kg drums. P500 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.

Health & Safety

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

Technical data

	P500	P500 Accelerator
Form	Colourless	Colourless
Viscosity (20°C)	800 mPas	20 mPas
Specific gravity (20°C)	TBA	
Flashpoint (TOC)	>150°C	
Application temp	Not less than 5°C	

Reaction times (15°C)

% Accel. dosage	Induction time	Gel time
6%	30 sec	115 sec
8%	25 sec	90 sec
10%	20 sec	75 sec

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