



Technical Datasheet
Epoxy Crack Injection Liquid

PUMINJECT

DESCRIPTION

Puminject is a low viscosity, free flowing, fast setting, solvent free, two Pack epoxy resin liquid for injection under dry, wet or damp conditions at temperatures down to 0°C. The cured system has high mechanical strength, excellent adhesion, negligible shrinkage and good resistance to a wide range of chemicals.

COMPOSITION

Two part unfilled epoxy resin.

TYPICAL INSTALLATIONS

Puminject is designed to repair small, fine and hairline cracks in reinforced concrete structures, concrete flooring, weak sand : cement screeds etc.

APPLICATION CONDITIONS

0-30°C. Maximum moisture content of 75% RH.

MIXING

Pour the full contents of the hardener container into the full contents of the resin container and mix thoroughly with a slow speed electric stirrer for a minimum of two minutes.

APPLICATION TECHNIQUE

Crack injection, depending on the structure to be repaired, can be quite complicated. However, the principle of application applies in all cases. Resin is pumped under pressure into voids in concrete floors or structures. Holes are drilled at regular intervals in the concrete to permit the air to be expelled and excess resin to flow. Injection commences and once the resin has fully filled the voids it will be seen at the adjacent drilled hole. The hole that has just been filled is then sealed off and resin is injected into the next section. The procedure continues until all the voids in the structure are filled.

TECHNICAL ADVICE

Various techniques are advisable to successfully apply Puminject, and the method used will depend upon many factors such as the type of substrate, the condition of the structure, and the size of the job. Most injection repair projects require extensive understanding of the mechanics involved and we will be pleased to advise of suitable companies to carry out surveys and work required.

CURE SCHEDULE

Pot life (1 kg unit)	-1-1.5 hours at 10°C
	-2-2.5 hours at 5°C
Initial cure at 20°C	-14– 20 hours
Full cure at 20°C	-5-7 days

CHEMICAL RESISTANCE

Please refer to technical data sheet reference TD112.

TECHNICAL DATA

Specific gravity	-1.08kg/ltr.
Compressive strength	-approx. 90N/mm ²
Flexural strength	-approx. 80N/mm ²
Tensile strength	-approx. 40N/mm ²
Shrinkage	-Negligible
Viscosity at 20°C	-1200 c.p.

HEALTH AND SAFETY

Please read technical data sheet reference and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet.

TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.