TECHNICAL DATA SHEET

INJECTION RESIN

Larsen Injection Resin is a low viscosity, solvent free epoxy resin based crack injection system. It can be used in dry, wet or damp conditions (no standing water) within an application temperature range of 5°C to 30°C. Injection Resin is mainly used for the repair of small, fine and hairline cracks in reinforced concrete structures. It can also be used as a stabiliser for weak and friable sand/cement screeds.

- **Very high strength.**
- **90 N/mm^2.**
- **Bonds to dry and damp surfaces.**
- **Non shrink.**

Technical Information

APPEARANCE:	Fluid Straw-colour liquid
DENSITY:	1080 kg/m^3
VISCOSITY:	1800cps @ 5°C 340cps @ 20°C
MOISTURE SENSITIVITY:	Negligible
APPLICATION TEMP.:	5 – 30 °C
STRENGTHS:	
COMPRESSIVE STRENGTH:	90 N/mm^2
TENSILE STRENGTH:	45 N/mm^2
POT LIFE:	30°C - 10 minutes 20°C - 20 minutes 10°C - 1 hour 5°C - 2 hours

COVERAGE:
Dependent on the nature of the surface and usage.

A 1kg pack produces approx. ~0.9L of resin.

DIRECTIONS:

Mixing Mix all the contents of Part A with all of the contents of Part B thoroughly by hand or a low speed electric drill and paddle for a minimum of 3 minutes and a maximum of 5 minutes.

Tools FOR MIXING: Slow speed drill and mixing paddle
FOR INJECTION APPLICATIONS: Injection flanges; Polythene tube to suit flanges; Plastic cartridge sets; Wire or plugs to seal injection tube; fast setting repair mortar for sealing the surface of the crack and fixing the injection flanges.
FOR GRAVITY APPLICATION: Paint brushes; Squeegee; Mastic;
ANCILLARY TOOLS: Gloves; goggles; knife; rags and Larsolve Thinners/Cleaner

Application HORIZONTAL CRACKS FILLED BY GRAVITY: Use mastic to form a dam at each side of the crack to prevent the Injection Resin running onto the surrounding floor. Simply pour the resin into the crack. Keep topping up until the crack is full and will take no more resin. For very fine crazing repeated application by paint brush or squeegee until the substrate is saturated may suffice.
VERTICAL CRACKS: Place injection flanges over the crack and fix with fast setting repair mortar, 100-200mm apart. Seal the face of the crack with fast setting repair mortar. Blow through each injection flange with compressed air to ensure an injectable system. Connect the gun to lowest flange, slowly inject resin until material appears at the next highest flange. Bend the first injection tube and seal closed with wire, or use a plug. Move up one and repeat. Continue the process until all flanges have been injected. Keep a check to ensure that resin is not escaping from some other exit point.
STABILISING POROUS SCREEDS: Pour on Injection Resin and spread around with a squeegee until the substrate can absorb no more resin.

Cleaning Clean tools, equipment etc. using a suitable cleaning solvent. Mechanical means are necessary when the product has set.

Storage Larsen Injection Resin should be stored in closed containers protected from extremes of temperature.

Shelf Life 12 months in unopened manufacturers containers.

Packaging 1kg packs

HANDLING PRECAUTION Larsen products are generally harmless provided they are used as instructed and that certain precautions normally taken when handling chemicals are observed eg, do not allow any material to come into contact with foodstuffs. Avoid prolonged contact with skin. Do not swallow. For specific product safety details consult the Material Safety Data Sheet.

IMPORTANT NOTE The information given in this data sheet is based on both current development work and many years' field experience. Whilst every effort is made to ensure that the information is reliable we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc.

For further information consult our Technical Department
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