VERSION: 01

ISSUED: NOV 2024

LARSEN

SPECIALITY

TECHNICAL DATA SHEET

Injection Resin

VERY HIGH STRENGTH

90 N/mm2

BONDS TO DRY AND DAMP SURFACES

NON-SHRINK

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

HAI HARDWARE ASSOCIATION IRELAND

NATIONAL TILING & FLOORING ASSOCIATION OF IRELAND

THE TILE ASSOCIATION

The Concrete Society Established in 1966

For further information, consult our Technical Department.

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LarsenBuildingProducts.com

TECHNICAL DATA SHEET

PRODUCT INFORMATION

APPEARANCE:	Fluid straw coloured liquid
DESNITY:	1080 kg/m3
VISCOSITY:	340cps @ 20°C
MOISTURE SENSITIVITY:	Negligible
APLICATION TEMPERATURE:	5-30°C
COMPRESSIVE STRENGTH:	>90N/m2
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. ~0.9 L of resin

DIRECTIONS FOR USE

MIXING

Mix all the contents of Part A with all of the contents of Part B - thoroughly by hand or with 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 and 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 and 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 mixed Injection Resin and spread around with a squeegee until the substrate can absorb no more resin. As much mixed Injection Resin should be applied as the surface will absorb without superfluous material remaining on the surface.

DIRECTIONS FOR USE (continued)

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 manufacturer's containers.

PACKAGING
1kg packs.