

Injector LV E70

2 Pack epoxy concrete and
structure primerE AND PLASTER



TECHNICAL DATA SHEET

FEATURES

Kesari Injector LV E70 is two part, solvent free, medium viscosity, tough flexible epoxy system.

USES:

- Storage tanks.
- Pipelines (interior and exterior).
- Injection grout
- Sewage pipes and others.
- Waterproofing
- Sewage treatment plants.
- Road Stud other concrete Adhesive
- Flooring Primer

PRODUCT

- Solvent free system.
- Good adhesion.
- Versative.
- Good abrasion resistance & chemicals resistance.
- Tough & Flexible coating helps absorb shocks
- High build coating.
- High durability.
- Non critical mixing ratio
- Unpigmented

Product data:

	Resin: Part A	Hardener: Part B
Appearance	Yellow clear liquid	Amber colour
Packing	20 Kg.	10 Kg.
Density	1.05 Kg./lt.	0.98 Kg./lt.
solid content	100%	100%

Mixing ratio

Part A : Part B = 2:1

Product data:

Mix Visco @25 deg C	500cps
Bond strength	Concrete failure
Compressive strength	50-60 N/mm2 (14 days/+27 oC)
Flexural strength	40 N/mm2 (14 days/+27 oC)
Finish	Gloss/semi gloss
Absorption	<0.6%
Chemical resistance	Good resist to all mild chemicals

Consumption:

7 to 8 m2 /kg or 0.13 to 0.14 Kg/m2

Note: These figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.

Surface care and treatment before application:

- Concrete substrates must be sound of quality
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Grinding is preferred
- Address issue of cracks and damaged surface with compatible products
- Scrape and remove all previous coatings tiles/ marbles chips

Atmospheric condition:

- Realtive humidity : 70% max
- Dew Point : substrate and uncured floor to be atleast 5 oC above dew point

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Application instruction:

- Stir resin Part A and Part B separately and mechanically before mixing.
- Add hardener Part B to resin Part A.
- Mixing ratio: 2:1 by weight
- Mix small quantity to avoid gelling before application.
- Stir and mix continuously for 3 mins until uniformity achieved.
- Avoid air entrainment.
- Use low speed electric stirrer
- During the mixing operation, scrape down the sides and bottom of the container with a flat or straight edge trowel at least once to ensure complete mixing.
- can be applied by brush, roller, airless
- Airless spray is preferable since pinholing and overspray are minimized.
- Apply several coats rather than one thick coat especially when internally coating pipes and tanks.
- Observe carefully maximum coating intervals. Fiber mesh (optional) used in between coats help improve strength of concrete

Pot life:

1 Kg. mass at 25 oC : 45-60 mins

Points to remember:

- Do not apply Kesari Injector LV E70 on substrates with rising moisture.
- Freshly applied Kesari Injector LV E70 should be protected from damp, condensation and water for at least 24 hours.
- Kesari Injector LV E70 will discolour over time when exposed to sunlight (UV) and under certain artificial lighting conditions. use suitable topcoat to reflects sunlight and heat improves longevity; and aesthetics.
- For professional use only by experienced applicators.

Curing details:

at 25 oC

Initial cure: 4-6 hrs

Initial hardness: 24 hrs

Full cure: 7 days

Important note:

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Caution:

- PART A: WARNING – IRRITANT, SENSITIZER: Contains epoxy resins Eye irritant. May cause skin/respiratory irritation. Prolonged and/or repeated contact with skin may cause allergic reaction/sensitization. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Harmful if swallowed. Strictly follow all use, handling and storage instructions.
- PART B: WARNING: CORROSIVE, SENSITIZER, IRRITANT. Contains amines (mixture). Contact with skin and eyes causes severe burns. Respiratory irritant. May cause eye/skin irritation. Possible sensitization/allergic reaction with prolonged or repeated exposure. Harmful if swallowed. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Strictly follow all handling, use and storage instructions.