

GROUT GUARD EPOX – LV (LOW VISCOSITY EPOXY INJECTION GROUT)

DESCRIPTION:

GROUT GUARD EPOX – LV is an low viscosity epoxy resin system comprising of **RESIN: GROUT GUARD EPOX –B-LV** and **HARDNER: GROUT GUARD EPOX –H-LV**. This system has an excellent bond with the concrete structures and it can penetrate into the finer cracks present in the concrete.

AREAS OF APPLICATION:

- As an injection resin with good adhesion to dry concrete, mortar, stone.
- **GROUT GUARD EPOX – LV** is used to fill and seal voids and cracks in structures such as bridges, columns, beams of industrial and residential buildings.
- Used as injection for deteriorated concrete structures like beams and columns for strength and durability.
- Grouting for honeycombs gives strength and durability.

APPROVALS / STANDARDS:

- Confirms to the **ASTM C-881 TYPE-II GRADE – 2 CLASS C**.

DIRECTION FOR USE:

- The cracks and openings at junctions shall be cleaned for placing injection nozzles. Thereafter the injection points placed approx between 150 mm to 300 mm and shall be drilled to the depth of 75 mm to 125 mm.
- All the dust and loose particles shall be cleaned from the drilled points by air pressure.
- Injection nipples to be placed and sealed with epoxy putty. Grouting to be done with **GROUT GUARD EPOX – LV**
- Low Viscosity **GROUT GUARD EPOX – LV Shall** be injected through nipples. The process shall continue till the firm resistance from the surface is received. the process of injection may vary from 3.75 kg/cm² to 7.5 kg/cm²

PRODUCT INFORMATION:

Base	Epoxy Resin (Two Component)
Appearance	Brown Liquid
Mix proportion (By Weight)	EPOX – A – LV : EPOX – B – LV , 2:1
Application	Pneumatic pressure Grouting
Shelf Life	1 year in tightly sealed container
Pot life	50 mins for 1 kg mix at 25° C
Curing	24 hours in air

Constro Chem India Pvt. Ltd.

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ADVANTAGES:

- Creates good bond between structural elements
- As it is low viscous can be injected into finer cracks also.
- Usable at low temperatures.
- High mechanical and adhesive strength

TECHNICAL DATA:

SR NO.	TEST PARAMETER	TEST METHOD	TEST RESULT	MEASUREMENT UNIT
1	Viscosity at 25° C	ASTM D 2196	342	CPS
2	Compressive strength (at 7 days)	ASTM C 881 / ASTM D 695	87	N/mm ²
3	Tensile Adhesion Strength	ASTM C 881 /ASTM D 695	73	N/mm ²

PACKAGING:

PART A	20kg
PART B	10kg

STORAGE AND SELF LIFE:

Store away from direct sunlight. 12 months from date of manufacture

SAFETY PRECAUTIONS:

However, any splashes on any part of the human body must be washed with plenty of water and seek medical advice.

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