

GROUT GUARD –EPOX MT

(Moisture tolerant epoxy injection grout)

DESCRIPTION:

GROUT GUARD EPOX – MT is a low viscous, moisture tolerant, two- component, epoxy resin system comprising of resin and hardener. This system has an excellent bond with the concrete structures in damp and wet conditions.

AREAS OF APPLICATION:

- As an injection resin with good adhesion to dry as well as wet concrete, mortar, stone.
- GROUT GUARD EPOX – MT 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.

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 SPECIFICATIONS:

Sr. No	Specifications	Technical Details
1	Base	Epoxy Resin (Two component)
2	Appearance	Brown liquid
3	Viscosity @ 25° C	342 CPS ASTM D 2196
4	Mixing Ratio	Part A: Part B 2:1
5	Tensile Adhesion Strength (Grouted & cured under water)	>12 N/mm ² (ASTM C 882)
6	Tensile Strength	55 N/mm ² (ASTM D 638)
7	Compressive Strength @ 7 Day	85 N/mm ² (ASTM C 881 / D 695)
8	Elongation @ Break	2.5 % (ASTM D 638)
10	Pot Life	45 min.
11	Density	1.07 kg/ltr @ 27° 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 – MT.
- Low Viscosity, moisture tolerant GROUT GUARD EPOX – MT 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

APPROVALS / STANDARDS:

ASTM C881 TYPE II GRADE 2 CLASS C

APPLICATION:

Pneumatic pressure injection grouting.

PACKAGING:

Part A	20 Kg
Part B	10 Kg

STORAGE & SHELF LIFE:

Store away from direct sunlight. 1 year in tightly sealed container.

SAFETY PRECAUTIONS:

Wear gloves, goggles, and mask to avoid skin and eye contact. Work in well-ventilated areas to prevent inhalation of fumes. Avoid ingesting epoxy or hardener, and wash hands thoroughly after use. In case of skin contact, wash with soap and water, and seek medical attention if irritation persists.

+91 9323244244

