



## GROUT GUARD EPOX – MT

(Low viscous moisture tolerant epoxy grout)

### Description:

GROUT GUARD EPOX – MT is an 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.

### 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.

### Approvals /Standards:

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

### Constro Chem India Pvt. Ltd.

201, Shrusthi tower Near Parsik Janta Bank, Kalwa Naka, Thane (West) , Maharashtra  
– 400 605 Contact No. +91- 9323244244 Email: - [sales@constrochemindia.com](mailto:sales@constrochemindia.com)

### 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 300mm 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 Viscos 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/cm<sup>2</sup> to 7.5 kg/cm<sup>2</sup>

### Product information:

Base	Epoxy Resin (Two Component)
Appearance	Brown Liquid
Mix proportion	A:B 2:1
Shelf Life	1 year in tightly sealed container
Pot life	20 mins for 1 kg mix at 25° C
Curing	24 hours in air

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### Advantages:

- Creates good bond between structural elements in wet and damp conditions.
- 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 C 579	55	N/mm <sup>2</sup>
3	Tensile Adhesion Strength (Grouted and cured under water)	ASTM C 882 / ASTM D 695	>10 mpa	N/mm <sup>2</sup>

### Packaging:

PART A	20kg
PART B	10kg

### Storage and shelf 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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