



## REPAIR GUARD -EPOX MORTAR

### DESCRIPTION:

**REPAIR GUARD -EPOX MORTAR** Is a non- shrink and high mechanical strength properties epoxy based mortar. it is a three component system comprising of Base ( Resin) , Hardener and Quartz filler.

This system has an excellent bond with the concrete structures and it can be used as a epoxy screed for flooring, structural elements and repair of RCC structures.

### AREAS OF APPLICATION:

- **REPAIR GUARD -EPOX MORTAR** is gives strength and durability of structural elements.
- Used as a mortar for deteriorated concrete structures like beams and columns for strength and durability.
- Corrosion damaged structures.
- Dilapidated RCC structures.

### APPROVALS / STANDARDS:

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

### DIRECTION FOR USE:

- Mix **REPAIR GUARD -EPOX MORTAR** Base and Hardener in the ratio of 2:1 by weight in a clean plastic container.
- Stir thoroughly for 5-10 minutes so as to achieve a uniform mix.
- Add graded quartz filler slowly and mix.
- The mortar mixing shall be used within 30 minutes.
- All the dust and loose particles shall be cleaned from the structural surface before applying.

### PRODUCT INFORMATION:

Base	Epoxy Resin (Two Component)
Appearance	Brown Liquid
Mix proportion (By Weight)	EPOX – A – LV : EPOX – B – LV , 2:1 Quartz filler 15-16 PBW
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.

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)



## REPAIR GUARD -EPOX MORTAR

### ADVANTAGES:

- Creates good bond between structural elements.
- Non- shrink epoxy mortar.
- 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	550 - 600	CPS
2	Compressive strength( at 7 days )	ASTM C 881 / ASTM D 695	60	N/mm <sup>2</sup>
3	Tensile Adhesion Strength	ASTM C 881 / ASTM D 695	20	N/mm <sup>2</sup>

### 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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