

REPAIR GUARD- EPOX MORTAR

(Epoxy based thixotropic repair 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 Graded Quartz filler. This system has an excellent bond with the concrete 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.

ADVANTAGES:

- Creates good bond between structural elements.
- Non- shrink epoxy mortar.
- High mechanical and adhesive strength.
- Excellent chemical resistant

PRODUCT INFORMATION:

Base	Epoxy resin three component
Mix proportion	A: B: C 2: 1: 14-16 (By weight) A=Resin B=Hardener C=Graded Quartz filler
Shelf life	1 year in tightly sealed container
Pot life	30 mins for 1 kg mix at 25° C
Shelf life	12 months in original unopened
Curing	48 hours in air
Setting time	15 hours

TECHNICAL DATA:

Sr No.	Test Parameter	Test Result
1	Compressive Strength@ 1 Day	40 N/mm ²
	Compressive Strength @ 7 Day	80 N/mm ²
2	Flexural Strength	13 N/mm ²
4	Slant Shear bond strength	10 mpa

METHOD OF APPLICATION:

- 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.
- Before application of surface apply bond coat of Resin + Hardener
- All the dust and loose particles shall be cleaned from the structural surface before applying.

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.

