

EPMORTAR ER

Epoxy Mortar

Description

EPMORTAR ER is based on polyester resin system. Product is supplied as resin and hardener for varied applications viz. jointing, patching and repairing. It is available in two grades. **EPMORTAR ER For general repairs (resin and hardener only)** and **EPMORTAR ER: To fill larger volumes allowing concrete users to add aggregates and thereby substantially reducing the cost.**

Uses

- For fast and emergency repair of concrete
- For bedding, jointing, profiling of concrete
- Repair of damaged concrete in precast units
- Jointing between precast units
- Repair of stair treads
- Fixing tiles, cladding
- Repairs to kerbs, man hole covers, door and window frames etc.

Advantages

- Durable and Stronger
- Highly chemical and oil resistant
- Excellent bond strength
- Ease of application as we can mix resin and hardener in any proportion as required
- No primer is required
- Quick finish job operation in 2 - 3 hours
- It is Versatile and can be poured, trowelled, filled with coarse aggregates
- Will cure in dry, wet, damp, and under water conditions
- Can be used at down to 00C or up to 600C

Standard compliance:

- IS 9162-1979 ASTM-C882 ISO 527

EPOXY MORTAR

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Technical Information

Properties	Results
Appearance	Grey Powder
Flexural Strength	25 N/mm ² @7 days
Tensile Strength	12 N/mm ² @ 7 days

Method of Application

- All surfaces must be preferably dry and free from oil, loose particles and laitance.
- The required quantity of resin shall be poured into a plastic bucket and the powder hardener shall be added slowly with stirring thoroughly until uniform consistency is obtained.
- It is recommended that small quantities be mixed at a time and used since pot life of the mixed material decreases at elevated temperatures.
- Ensure that resin mortar is trowelled firmly into place to obtain good adhesion.
- Maximum thickness of mortar in one layer permissible is 12mm.

EPMORTAR ER Concrete

The following proportions may be used as a guideline for making EPMORTAR ER Concrete:

	Resin	Hardner	Sand zone (II)	Coarse aggregate 10mm
By Volume	1	0.8	3.2	-
By Volume with Coarse aggregate	1	0.8	1.45	2.5
By weight	1	1	1.6	1.6

For making EPMORTAR ER concrete, the resin and hardener shall be mixed in the proportion recommended above and sand and coarse aggregate shall be added and mixed thoroughly on a clean board to obtain resin concrete.

EPMORTAR ER Concrete

Product	Temp.	Gel Time	Compressive Strength N/mm ²		
			3 Hours	24 Hours	7 Days
EPMORTAR ER	25°C	30 min	45	72	78
EPMORTAR ER CONCRETE	25°C	30 min	27	65	76

Packaging

- EPMORTAR ER is supplied in 5 Kg set.

Storage

- 6 months shelf life when stored below 25°C in original unopened containers.

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