



MCON POLYMER MORTAR EP

SINGLE PACK READY TO USE
M25 POLYMER REPAIR MORTAR



Product Description :-

MCON POLYMER MORTAR EP is a general purpose non-shrink, cementitious, trowel applied single pack repair mortar for repairs to Concrete sections and Plastered surfaces. POLYMER MORTAR EP is composed of good quality cement, properly selected aggregates & additives. It is used & designed for repairing of damaged reinforced concrete elements like columns, beams & structure.

Features & Benefits :-

- Ready to use Cement based Polymer mortar - No need to add sand, cement & aggregates, so saves time & energy.
- High bonding strength –Suitable for overhead surfaces & can also be sprayed.
- Needs to be mixed with water only – No additional dispersion liquid is necessary.
- Low permeability – Offers extremely low permeability to water carbon dioxide and chlorides.
- Multi-purpose – Can be applied on horizontal, vertical and overhead surfaces without any form work and can be used along with plastic or steel fibres.

Areas of Application :-



Ceiling Surfaces



Wall Plaster



Concrete Substrates



Sidewalks

Technical Specification :-

Nature	Cementitious Grey Powder
Chloride Content	Nil
Depth of Carbonation	Nil
Wet Density	1952 kg/m ³ giving a yield of 13l/25 kgs bag at flow able consistency (W/P = 0.16)
Flexural Strength	@28 days 25°C 10 N/mm ²
Compressive Strength	@7 days 25°C 15 N/mm ² @28 days 25°C 25 N/mm ²
Setting Time	At 20° C and 0.16 water to powder ratio (flow consistency)
Initial set	6 hours 00 minutes
Final set	8 hours 15 minutes



CONCRETE REPAIRS



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Alkali Content : The presence of non-alkali reactive aggregates ensures its resistance to future expansive reactions and deterioration.

Bond Strength : The typical shear bond strength at water powder ratio of 0.13 at 20° C without any bonding agent is 68 N/mm² at 28 days.

Easy To Apply :-

- Clean the surface and remove loose concrete, dust, oil, paint, grease ,waterproof coating, etc. Expose fully any corroded steel in the repair area and remove all scale and corrosion deposits.
- Apply MCON STEEL 2K for rust free bars.
- Saturate the substrate with water to prevent absorption of water from the mixed material. In case of a very old concrete substrate, it should be primed by applying one coat of BOND APL + WATER (1:1) as Bonding Agent.
- Allow the bonding agent to reach tacky condition before applying of MCON POLYMER MORTAR EP.
- Use Mechanical Mixer for mixing of MCON POLYMER MORTAR. Charge 85-90 % of clean & potable mixing water (3.75 to 4 ltr per 25 kg bag) to a Mixer.
- Start addition of powder slowly under continuous mixing. Keep mixing for 2 minutes. Add balance quantity 15 – 20% of mixing water & again mix for another 2-3 minutes to form a homogeneous, free flowing , uniform & lump-free mix.



Coverage :-

1.3 m² per bag at 10 mm thickness, 13 l per bag of 25 kg
1952 kg. per cubic meter – Fresh wet density



Packing :-

25 & 40 Kgs

Shelf Life :-

- 6 months from manufacture in original unopened bags if stored in dry conditions.

Health & Safety :-

- MCON POLYMER MORTAR EP is a cementitious alkaline product. Care should be taken to avoid contact with eyes, skin, mouth and food stuff. Any splashes on the human body must be washed with plenty of water.

An ISO 9001 : 2015 - An ISO 14001 : 2015 - AN BS OHSAS 45001 : 2018

MCON RASAYAN PVT. LTD.

Trusted Partner In Construction Chemicals

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