



MCON MORTAR EP

THREE PART EPOXY REPAIR MORTAR FOR HIGH STRENGTH STRUCTURAL REPAIRS



Product Description :-

MCON MORTAR EP is a three part solvent free combination of epoxy resin and hardeners filled with specially graded chemically inert aggregates with high crushing strength. It is applied by trowel as a durable chemical resistant repair mortar 8 – 10 mm thick depending upon the requirement. The system includes MCON BOND EP a two part epoxy resin primer and MCON MORTAR EP which are both supplied in pre-weighed units ready for onsite mixing and application. The finished area has a slightly granular texture of uniform self colour.

Features & Benefits :-

- Chemical Resistance : Unaffected by wide range of acids, alkalis and industrial chemicals.
- Easily applied : Designed for easy application to a fair finish.
- Quality : Pre-weighed quality controlled materials ensure consistency and reduce risk of site errors.
- Multi-purpose – Can be applied on horizontal, vertical and overhead surfaces without any form work.
- Low permeability – Offers extremely low permeability to water carbon dioxide and chlorides

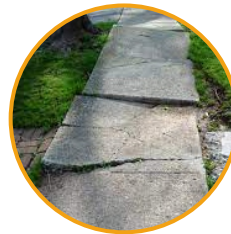
Areas of Application :-



Concrete Structure



Cementitious Substrates



Sidewalks



Driveways

Fields Of Use :-

- Permanent repairs to concrete structure and cementitious substrates where strength, impermeability to water and resistance to aggressive chemicals is essential.
- Ideally suited for maintaining engineering, chemical handling and processing plants.
- Patch and Repair Mortars: Grouts for repairing cracks and de-lamination of concrete structures such as sidewalks, driveways, and walls.



CONCRETE REPAIRS



MCON MORTAR EP

THREE PART EPOXY REPAIR MORTAR FOR HIGH STRENGTH STRUCTURAL REPAIRS



Technical Specification :-

Curing Characteristics	30°C
Pot Life	60 min
Final Setting Time	24 hours
Full Cure	7 days
Mechanical Characteristics	Full cure
Compressive Strength	40 N/mm ²
Flexural Strength	12 N/mm ²
Tensile Strength	4.2 N/mm ²
Bond Strength To Concrete	3.0 N/mm ²

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

Easy To Apply :-

Surface Preparation :-

- 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 and then apply MCON STEEL ZRP.
- 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 MCON BOND EP as Bonding Agent.
- Allow the bonding agent to reach tacky condition before applying of MCON MORTAR EP.

Mixing :-

- Use Mechanical Mixer for mixing of MCON MORTAR EP.
- Start addition of aggregates 80% slowly to the Epoxy mix (Base+Hardener) under continuous mixing.
- Keep mixing for 2 minutes. Add balance quantity 15 – 20% aggregates & again mix for another 2-3 minutes to form a homogeneous, free flowing , uniform & lump-free mix.



Coverage :-

10 Sq.ft Per Pack
For 15 mm



Packing :-

7.5 kg. pack (0.7 kg. base + 0.3kg.
hardener + 6.5 kg. aggregates)

Shelf Life :-

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

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

MCON RASAYAN PVT. LTD.

Trusted Partner In Construction Chemicals

Corporate Office : Gala No. 6 , Bardanwala Estate , Bandivali Hill Road , Jogeshwari (W) , Mumbai - 400 102 , Maharashtra , India .

Consumer Care : 022 - 26790031 • Email Id : info@mconrasayan.com • Visit us : www.mconrasayan.com • Follow Us :   

CONCRETE REPAIRS