



MCON RASAYAN PVT. LTD.

Trusted Partners In Construction Chemicals

• MCON MAGIC COAT CE •

**COAL TAR EPOXY BASED WATERPROOF
AND ANTI CORROSIVE COATING**

Product Description :-

MAGIC COAT CE is a two component coating system based upon epoxy resin, coal tar and amine curing agents specially chosen for their ability to withstand high degrees of corrosion and also for mild chemical attacks. It is a waterproofing as well as anticorrosive coating system, which on mixing and hardening provides excellent water resistant barrier.





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Areas of Application :-

- ✓ MAGIC COAT CE must be applied to new or old concrete substrates that are structurally sound.
- ✓ Excellent as a waterproof coating for terraces, podium, landscapes, terrace gardens etc. with anti-root technology.
- ✓ Ideal as an anti corrosive coating for ducts, pipes etc.
- ✓ Good for waterproofing of sloped roofs.

Features & Benefits :-

- ✓ Elastomeric – On that accommodate cracks up to 2 mm with an elasticity of 40-50%
- ✓ Low water permeability – excellent resistance to ingress of water.
- ✓ Adhesion – excellent adhesion to concrete and masonry surfaces.
- ✓ Anti root coating with excellent resistance to Chemical attack.
- ✓ Good adhesion to the surface to be coated.
- ✓ Resistant to alkalis, as the coatings are applied on alkaline concrete.
- ✓ Resistance against CO₂, sulphate and chlorides to provide barrier property.
- ✓ Good flexibility as the structural members undergo dimensional variation due to cyclic loads.



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Method of Application :-

Surface preparation :-

Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. Degrease the surface by using suitable solvents.

Repair the spalled concrete portion by MCON Polymer Mortar to the depth of at least 10 mm to avoid feather edging & to provide strong bond.

Clean the concrete surface to remove any contamination. Where breaking is not possible, roughen the surface by light scabbling or grit blasting.

For priming of concrete substrate, use Magic Coat EP Primer.

The surface should be bone dry prior to application of MAGIC COAT CE.

Mixing :-

Shake the base well and then pour hardener into the base material.

Use heavy duty slow speed mechanical mixer fitted with a suitable paddle for mixing the two components of the material.

In a mixing vessel, slowly add the H hardner component in to the B based component under continuous stirring. Continue to stir thoroughly to achieve a lump free homogenous slurry.





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Coating Application :-

The surface of application must be touch dry state.

Take up the first coat application with a stiff nylon brush. Work well into the substrate, to ensure that all small undulations are completely filled with the coating.

6 to 8 hrs after completion of first coat, take up second coat application in a direction perpendicular to the first.

Complete the application and leave to air cure for 2 days. A hessian cloth can be kept over the coated surface to protect it from the effect of direct sunlight, in case of small open balconies or terraces, in bathrooms and internal areas. Protect the coating from water for 2 days at least.

Technical Specification :-

CHARACTERISTICS	SPECIFICATIONS
Nature	Two components Liquid
Color	Black,Brown
Mixing ratio part by volume	Part I (B) : Part II (H):: 80 : 20
Pot life at 30°C	2 - 3 hours
Initial hardness at 30°C	24 hours
Full Cure at 30°C	6 - 7 Days
Coverage	25-30 sq.ft. / ltr.



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Performance Properties :-

System Tested

Substrate	Steel
Surface Preparation	SSPC-SP6
1 ct. Mcon Magic Coat CE	@ 18 mils dft

Adhesion:

Method	ASTM D4541
Result	Passes 600 lbs/sq in
Coverage	25-30 sq.ft. / ltr.

Flexibility

Method	ASTM D522
Result	Passes 180° bend 1" Mandrel

Salt Spray Resistance

Method	ASTM B117
Result	1000 hours – no rust, no blistering

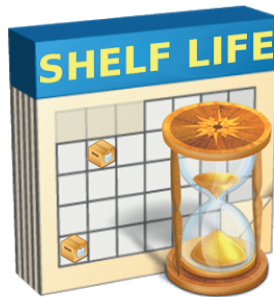


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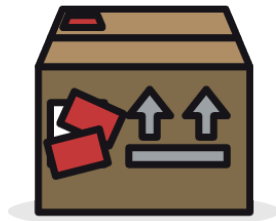
Shelf Life & Storage :-

12 months in original packing if stored at room temperature i.e.25°C



Packing :-

5 kgs. {4.0 kgs (B) + 1.0 kg (H)}



**(Mcon Rasayan has maintained the highest level of Quality and Consistency by following Systems and is certified as an ISO 9001 : 2015, ISO 14001:2015 & ISO 18001:2015 Company.)*

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