



# MCON RASAYAN PVT. LTD.

Trusted Partners In Construction Chemicals



## MCON STEEL 2K

**TWO PART ACRYLIC BASED  
ANTI CORROSIVE COATING**

### **Product Description :-**

MCON STEEL 2K is anti-corrosive coating for structural steel and reinforcement. It is a rust treatment which stabilises steel reinforcement and creates moisture - repelling coating of good mechanical stability, abrasion resistance, bond strength and excellent anti-corrosive properties. MCON STEEL 2K has excellent bond with the steel with long term anti corrosive properties.





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## Areas of Application :-

- ✓ Coating of reinforcement bars in new - R.C.C. structures to have a long term protection from Wet weather.
- ✓ Steel-pipeline, structures, bridges, arches, etc. especially in marine environment.
- ✓ H. T. wires / cables / strands etc. in prestressing job.



## Features & Benefits :-

- ✓ High alkalinity of coating and high flexural strength and extra adhesion due to specially engineered polymers in MCON STEEL 2K , gives long term protection against corrosion to steel
- ✓ Improves bond strength of steel with Concrete.
- ✓ Treatment can be carried out at site. Coated bars do not suffer bond loss when embedded in concrete unlike epoxy coated bars which are known to suffer substantial bond loss.
- ✓ Self-curing.



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## Technical Information :-

Colour	Brownish Red
Application	Brush application
Recommended DFT/COAT	80 to 100 Microns
Specific Gravity	Approx 1.25
Surface Dry	1 hour at 30° C
Hard Dry	24 Hrs.
pH Value	pH value between 8-9 (Alkaline)
Chemical Resistance	Resistance to alkalis in moderate concentrations
Adhesion Test	Approved as per IS 13515: 1992
Storage	Store between 5° C and 50° C, Shake and stir well before use
Shelf Life	1 Year





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## **Method of Application :-**

### **Surface Preparation :-**

Good surface preparation will help MCON STEEL 2K work more effectively.

Remove excess rust with a stiff, bristled brush.

The object of this step is to get any loose or flaking rust off rather than trying to seal it in.

Apply MCON Steel RR and let it dry. Again wire brush the surface to remove the loosened Rust.

This step ensures that other surface contaminants will not interfere with the reaction of the Product on the rusted surface.

### **Mixing :-**

Shake the liquid component well to a homogenous mix.

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 powder component in to the liquid under continuous stirring.

Continue to stir thoroughly to achieve a lump free homogenous slurry.



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Apply STEEL 2K with a brush or a roller. The surface of application must be pre-wetted thoroughly with water & brought to a 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.

MCON STEEL 2K will dry in 2 hours however it takes 24 hours to cure. Application of a second coating will ensure proper rust protection.

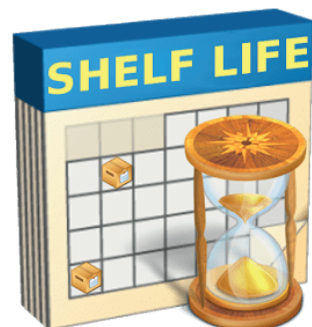
## Coverage :-

1 pack of MCON STEEL 2K covers 100 kgs. Of Steel of 12mm diameter.



## Shelf Life & Storage :-

Please store away from direct sunlight.  
12 months from date of manufacturer.



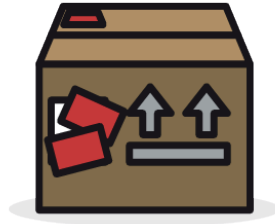


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## Packing :-

2 kg. powder + 1 liter liquid.



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

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