



MCON STEEL 2K

TWO PART ANTI CORROSIVE COATING FOR STEEL RE BARS



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.

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.
- 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.
- Improves bond strength of steel with Concrete.
- Self-curing.

Areas of Application :-



*Reinforcement
Bars*



Bridges



Steel-Pipeline



Structures

Easy To Apply :-

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.





ANTI CORROSIVE SYSTEM

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

Technical Details :-

Colour	Yellow & Red
Application	Brush application
Recommended DFT/COAT	80 to 100 Microns
Specific Gravity	Approx 1.25
Base	Zinc Chromate
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



Coverage :-
100 Kgs Steel Of 12 mm Dia



Packing :-
3 Kgs
(2 Kg Powder + 1 Ltr Liquid Pouch)

Shelf Life :-

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

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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