TRUSTED journey from Rusted to Protected.

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Metal Clean (Rust remover, and protector)

Metal Clean is formulated to clean metallic surface of scales, formed on the surface during manufacturing stage and rust formed on the surface during storage. Metal clean not only de rusts, but also passaivates ferrous surfaces

Features:-

- Instantaneous performance
- Easy to use, application by brush
- Forms a protective monolithic cover over the steel
- Maintains dimensional stability of the steel- unlike other techniques
- Restricts further oxidation, saves thickness of metal.
- Forms a good surface for bonding of primers and further treatments.
- Converts the orange rust to original black color of steel

Any metallic surface, prior to be put to service or prior to coating of protective paint must be free of scales and rust. Since rust and scale are flaky in nature, it is likely that rust and scale flakes could detach and expose further the metallic surface to corrosion, defeating the purpose of paint protection.

Applications:-

Metal Clean is meant for removing rust scales on iron surface of structural steel, fabrication steel, M.S. equipments, reinforcement bars in

RCC members, for de-rusting and primary protection against corrosion due to saline environment or adverse ground water effects, and/ or prior to coating of iron surface with suitable protective coating. It could be done before iron members are used for fabrication, on after fabrication or on primer-coated surface exhibiting localized protection failures, which need to be rehabilitated or rejuvenated by further protective coating. Thus it protects the dimensional stability and inherent properties of the MS member / equipment by preventing any oxidation.

CONFORMITY:-

Metal Clean is in conformance to method of use as per IS 9077:1979 (R1997) Clause 5.3.3. as a rust remover solution.

Method of use:

On the surface of the MS member/ equipment; remove loose oxides by means of a wire brush, alternately with steel wool. Apply Metal clean on the affected areas by brush. Apply one coat of Metal Clean on the surface, wait for 10-15 minutes. Apply second coat if necessary. Smaller MS members may be dipped for a few seconds in a container filled with Metal Clean and removed and allowed to air dry. After application allow Metal Clean to dry completely over the surface which takes few minutes. The orange rust will appear black which indicates completion of de-rusting. Rinse the surface

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with water or mop the equipment with a wet cloth to remove any un-reacted material. Sometimes whitish residue is seen, which is due to application of excess of Metal Clean. It is okay, and does not interfere with the performance of the metal. It can be cleaned with a sand paper if required. The surface is now cleaned, de-rusted & passivated against corrosion and protected. Now dry the surface with a dry mop. The surface is now passivated and ready to receive protective coating or paint. The passivated iron surface shows high resistance to rusting on exposure to environs. This passivated surface prohibits the detachment of paint.

Advantages:-

- Metal Clean de rusts and passivates the iron surface treated by forming an impermeable ferrous film on the surface.
- Due to its low viscosity it penetrates surface rust and thus provides a thorough de-rust.
- This impermeable film to a higher degree further resists rusting (as compared to an untreated surface)
- The treated surface exhibits better and lasting bond to over-coat and paints, commonly used for iron surface coating.
- It protects the surface better under aggressive environments
- It is quick, easy to use and economical
- It is free of any deleterious materials like chlorides and sulfates.
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COVERAGE :-

Use ordinary paint brush to coat over the iron surface to be treated, 60-80 sq ft of iron can be treated with one litre of Metal Clean.

Packing: Metal Clean is available in 1,5,20,35,50, 200 Ltr, packings.

NOTE: In case of Metal Clean getting into eyes or cut skin, rinse eyes/ skin with abundant clean water and if burning / pain sensation persists seek medical attention.

It is always better to be safe. We recommend use of PPE Such as goggles, gloves, respiratory mask during the use of Metal Clean.

Metal clean in not inflammable.

It must be applied in properly ventilated conditions.

No	PRODUCT DATA	
1	Colour	Clear
2	Specific Gravity	1.05
3	pH	< 6 approx
4	Method of Application	Use directly on rusted surface by brush
5	Chloride and Sulfate content	NIL
6	Toxicity	Metal clean is not meant for ingestion, it is mildly corrosive and all PPE must be used during its use.

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AN ISO 9001:2015 ACCREDITED MANUFACTURER

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- Sealants for various applications
- Rust preventive oils
- Rust preventive coatings
- Fast drying rust preventive coatings
- Cutting oil
- Protective epoxy coatings:-
  - Coal Tar Epoxy
  - Zinc Phosphate epoxy primer
  - Epoxy paints
- Temporary rust protective baths
- PU sealants

- Instant pothole repair mortar
- Furnace room concrete repair
- "High temperature equipment" coatings
- Floor Hardner's for tremix
- Multi Purpose Clear coats
- Industrial waterproofing systems
- Industrial grouts
- Industrial Flooring repair & maintainence systems
- PU triple layer waterproof and thermal protective coating

Epoxy Mortars

CONCRETE ADMIXTURES

Waterproofing

Tile Adhesives

Primers

PROTECTIVE EPOXY COATINGS

CUTTING OILS

Rapid Repair Mortars

INJECTION GROUTS

MICRO-CONCRETE & CEMENTATIOUS GROUTS

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