

FREQUENTLY ASKED QUESTIONS :

: The Best PAINTING PROCESS for HEAVY MILD STEEL FABRICATIONS :

Selecting the most ideal painting system for structural steel fabrications and Galvanized steel Fabrication is a daunting task in front of the Maintenance Managers and the Chief Engineers. It becomes all the more critical when the steel fabrications and the machinery / equipments have to be installed in the most stringent working atmospheres such as COASTAL AREAS, Highly HUMID Area, Nearly Salty and Saline atmosphere, areas with Steam, Water vapour, and Chemical fumes, places with High operating temperature. For getting the optimum & the best results from a Painting System, in terms of LONG EQUIPMENT LIFE, highest Anti Corrosion and the Aesthetics, I suggest the following Products offered by INNOVATIVE COATING INDUSTRIES, MIDC, Pimpri, PUNE 411 018. I would like to discuss the various aspects of Anti Corrosion Paints Products as **FREQUENTLY ASKED QUESTIONS:**

1: For which types of STEEL Fabrications and the Industries Sector, is this Painting process recommended ?

We recommend this for Painting & RE-PAINTING of MS & GI Structures, Fabrications, PEBS, Metal Buildings, Off-Shore Platforms construction, All Rusted & Non-Rusted Steel Fabrications: SOLAR POWER Plants, HVAC plants, Ready Mix Plants Factory Trusses, support Structures, Tank Farms, Chimneys, Steam, Water, Chemicals & Petro-solvents Pipe-lines, Columns, I-Beams, Bridges, Dams, Transmission Towers, Telecom Signal Towers, EOT Cranes, Formworks & Scaffoldings A/c Ducts etc :

2: Which Products shall be selected? What basic chemical Anti-Rust Properties such Products must have ?

The Product selected must be SAFE for WORKMEN, LOW FUMING, Non Toxic, and readily available. These products must have min 12 months of Shelf-Life and the Metal cleaners shall be water based (Non Flammable) We are sure our Premium grade Anti corrosion products will prove quite useful to you, All these products must offer Excellent Corrosion protection to Mild Steel fabrications from atmospheric Rusting, Oxidation and surface chipping Corrosion. These Chemicals & the Paint Coatings must have excellent Adhesion to the Metal / Substrate as per recommended Indian Standard Specs.

3: What will be the LIFE of the Paint System? What will be the RE-PAINTING PERIOD: ?

The effective RUST FREE life of the recommended Painting System will be governed by Atmospheric Moisture, Chemical fumes, Saline air, Temperature and overall weather conditions of the Plant Location. It will generally be considered as 2-3 years.

4: What is the Process Sequence to be followed ?

The Exact sequence to be followed is: (A) PRE-CLEANING (B) Derusting (surface Rust Removal) (C) PAINTING

(A) PRE-CLEANING: Complete REMOVAL of Oil & Grease, Surface Rust must be ensured. This can be carried by Chemical cleaning, Solvent Cleaning, Sand Blasting, Sand papering, Grinding, Mechanical cleaning or any other means. Corrosion, Rusting, Oxidation of Mild steel is a SUB SURFACE PHENOMENON. Hence TOTAL Pre-cleaning becomes a most important pre-condition mandatory for getting OPTIMUM FINAL RESULTS.

MOST IMPORTANT: SHOT Blasting / Sand Blasting / Grit Blasting are the BEST methods for Surface cleaning.

TOTAL Removal of Residual Water, cleaning of even traces of Acidic cleaners, all foreign matters, dust, dirt from the CLEANED surface must be ensured. These traces of impurities can cause HYDROGEN IMBRITTLMENT in the microscopic pores of the Metallic surface. These impurities promote SUB-SURFACE CORROSION, AFTER SOME DURATION. Trapped Hydrogen will try to escape to atmosphere and will RUPTURE THE FINISHED PAINT however it may be thick and strong. The opened-up areas of Paint coating / Film on steel now provide NUCLEUS for further rusting. **USER WILL AVOID TAKING ANY SHORT-CUTS in the PRECLEANING PROCESS as it will result in Post Painting Rusting. The speed of re-rusting will be directly dependant on Humidity, Moisture, Temperature & presence of chemical fumes, flu-Gases, salinity in the atmosphere.**

(B) De-Rusting: The Chemical derusting is easily accomplished by use of RUSTOGEL 1406 offered by Innovative for all Corroded Mild Steel Fabrications and Structural Steel. These cleaners are based on Phosphoric Acid, Solvent, Wetting Agents & Foaming agents. Phosphoric Acid is a RUST PREVENTIVE ACID. Being in GEL FORMAT, the chemical is quite useful for DERUSTING and CLEANING And MAINTENANCE of all heavy steel Fabrications in vertical and horizontal positions. Rusto-Gel 1406 is very user Friendly, Easily water washable. For Light Rust Removal **INNOVATIVE COATING INDUSTRIES offers THREE in ONE chemical, used by Brush, Spray Dip & Swab applications.**

(C) PAINTING: Our Recommended Products are: 1) **ZINKOTE 20 GP: Zinkote GP is manufactured using 99% Pure Zinc DUST Rich Paint** for HIGHEST Corrosion Resistance.: Coverage: 2 M² Zinc Contents in DFT: 88-92%: Zinc deposit Coating: 20-25 Offers highest Anti Corrosion properties over a long Period. Confirmation: **ASTM A 780.**

2) **ZINKOTE 20 Premium: is manufactured using 99% Pure Zinc FLAKES Rich Paint** for HIGHEST Corrosion Resistance. Coverage: 2 M² Zinc Contents in DFT: 88-92%: Zinc deposit per spray Coating: 20-25 Microns. Max TWO Coats recommended. Confirms to **ASTM A 780**: The methods of use of ZINKOTE

5) Is Zinc Rich Paint (For Cold Galvanizing) available in Ready to USE Aerosol Spray Format for on-site use?

Yes: Zinc Rich Paint is also offered as **ZINC METAL SPRAY (Light Grey Finish)** and **ZINC BRIGHT SPRAY (Silver Bright Finish)** in 500 ml Self Spray Aerosol Spray Cans.

6) What are the Advantages of using AEROSOL SPRAYS:

ZINC METAL SPRAY (Light Grey Finish) and ZINC BRIGHT SPRAY (Silver Bright Finish) offered in 500 ml Self Spray Aerosol Spray Cans are MOST CONVENIENT for on Site use, Offer very uniform Zinc Coating Film, the aerosol cans are extremely User Friendly, are used at Work Sites, quite handy light weight for using At greater heights.

7) What are the Colour Availability Options in Zinc Rich Paints?

For an additional cost, we offer ZINC RICH PAINTS in WHITE, YELLOW, BLUE, LIGHT GREEN and ORANGE Colour Shades. This meets the required Brand Colour shades for specific brand equipment manufactures like RMPs, Earth Moving Machinery, Cranes, EOT Cranes, Transport Vehicles, Chemical & Petro-Chemicals Pipe Lines, Steam Pipe Lines, SILOS, TANK FARMS & CHIMNEYS.

8) Are any special products recommended for Heat Exchange Equipments and Chimneys?

We offer **600^oCHR ALUMINIUM PAINT** which is Most Ideal Heat Resistant Paints for Chimneys, Solar Panels, Chemical & Steam pipelines, Heat Exchange Equipments, and all such Fabrications / Structures which are operating under Extreme Temperature Conditions HR Aluminium Paint is available in Silver and Black Colours.

9) Other optional Products on the Entire Range of Metal Finishing chemicals for STAINLESS STEEL, GALVANIZED STEEL, MILD STEEL , ALUMINIUM , Copper and Heat Exchanger tubes cleaning can be seen on our website:

10) Products offered by INNOVATIVE COATING INDUSTRIES : MIDC , Pimpri : Pune

RUST CONVERTER : RUST PREVENTIVE : PRIMER
The Best Pre-Treatment for RUSTED / Non Rusted MILD STEEL STRUCTURAL FABRICATIONS



Innovative Coating Industries : MIDC, Pimpri : PUNE India
PRADEEP VAIDYA 9820181738 puvpromtech@gmail.com
SONIA VAIDYA 9819813015 soniavaidya30@gmail.com
www.promtechaerosol.com

Rust Converter



ZINC RICH PAINTS ZINKOTE 20 GP & Premium



SS 304 WELD Brightner



APPLICATION AREAS : TARGET BUYERS : POTENTIAL USER INDUSTRIES :



For complete Technical & Commercial details : Please contact

Pradeep Vaidya CEO **PROMTECH CONSULTANCY** **INNOVATIVE COATING INDUSTRIES : MIDC , PUNE**
THANE : B-7 / 701, Vedant Complex Vartak Nagar Naka : THANE W 400606 09820181738 puvpromtech@gmail.com
SONIA VAIDYA Tech Mktg Executive : Thane 022 25883265 9819813015 soniavaidya30@gmail.com
Pune Factory : F-II/29/4/ii, MIDC , Pimpri : PUNE 411 018 PAYAL 7767982244 payalpathak75@gmail.com