

RC-15 – Rust Converter

What is Corrosion?

Corrosion is a natural process that causes the transformation of pure metals to undesirable substances when they react with substances like water or air. This reaction causes damage and disintegration of the metal starting from the portion of the metal exposed to the environment and spreading to the entire bulk of metal.



Factors Affecting Corrosion?

- ✓ Exposure of metals to air containing gases like Carbon-Di-oxide (CO_2), Sulfur-Di-oxide (SO_2) and Sulfur-tri-oxide (SO_3)
- ✓ Exposure of metals to moisture especially salt water which increases the rate of corrosion
- ✓ Presence of impurities like Salt – Sodium Chloride (NaCl)
- ✓ Drastic change in temperature condition
- ✓ Presence of Acid in the atmosphere can accelerate the process of corrosion in metal.

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RC-15 – Rust Converter

Quality Standards adopted for testing?

- ✓ Salt Spray Test 240 Hours passed (ASTM B117) and adhesion test 4.2N/mm² (ASTM 4541). The result of salt spray and adhesion test indicated that painted specimens on rust converted surface performed better than hand cleaned coated surface

What is RC-15 - RC-15 Rust Converter?

RC-15 – Rust Converter is a Tannin base dark brown color liquid compound which when applied over rusted Iron surface with a brush, it converts rusted surface to a layer of Iron Tannate which is an Insoluble Iron Complex Compounds

Benefits of RC-15 – Rust Converter?

- ✓ It removes corrosion from the rusted surface and forms automatically a coating over the metal surface thereby removing corrosion without losing the weight of metal
- ✓ Re-Rusting process is hindered in this type of formulation.
- ✓ This coating is an ideal base for the subsequent protecting coat of paint
- ✓ It can readily apply over rusted surfaces where it is not possible to prepare the surface due to inadequate accessibility due to size, quantity etc

Areas of Application of RC-15 – Rust Converter?



RC-15 – Rust Converter

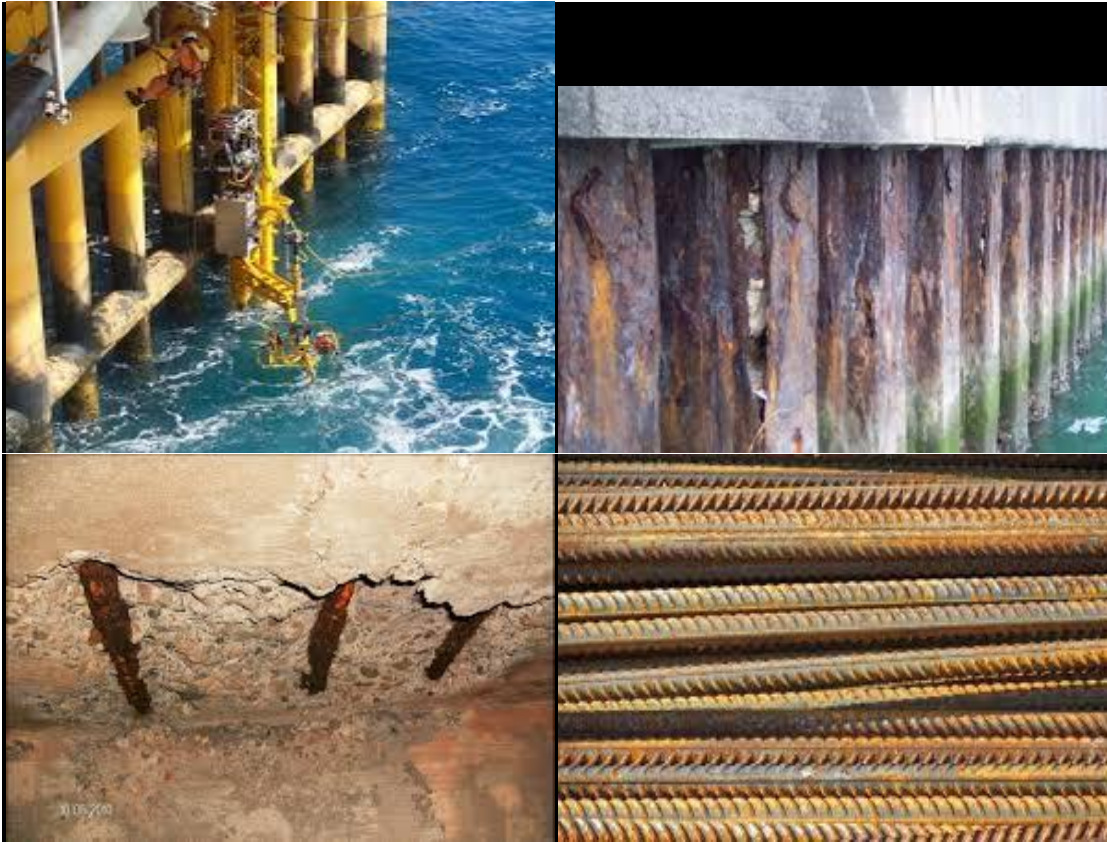


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Method of Application of RC-15 – Rust Converter?

- ✓ Clean the rusted surface to remove oil or Grease if any
- ✓ Use RC-15 - Rust Converter by brush or dip process of the rusted surface
- ✓ Within few minutes the chemical reaction starts and removes the rust
- ✓ Keep the surface away from water and allow it to dry for 24 hours
- ✓ Iron surface is now free from rust & ready to apply for subsequent coating of Paint

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