

## **: Frequently Asked Questions :**

### **RUSTOFIX 1411 :: Rust Converter**

**What is Rust Converter ?** **Rust Converter** a water-based primer, contains two active ingredients: Tannic acid and an organic polymer. The first ingredient, tannic acid, reacts with iron oxide (rust) and chemically converts it to iron tannate, a dark-colored stable material. Tannins are a group of water- and alcohol-soluble natural products extracted from fruits, trees and grasses. The second active ingredient, is an organic polymer that provides a protective primer layer. The overall chemical reaction converts rust into a stable, blackish / Bluish protective polymeric coating that serves as an excellent primer for both oil and epoxy based paints.

**How is Rust Converter different than a Rust Remover ?** Rather than removing rust, a rust converter mixes chemically with rust to create a black inert substance that can be painted over, concealing the existence of any rust and preventing further corrosion.

**What objects can I use Rust Converter on ?** **Rust Converter** can be used on any rusty iron or steel object. It can be used on Mild Steel Fabrications , Support Structures, underbody of vehicles, trailers, fences & gates, iron railings and staircases, sheet metal, cast iron, outsides of tanks, lawn equipment, mower decks, farm equipment, tractors , PTD Equipments , Signal Towers , Transmission Towers , PEBs , Metal Buildings , Dams , Bridges , Mild Steel Tubes , Angles , Channels , All MS Plants and Equipments placed and Operating near Saline and Humid atmospheres , to name just a few. It will not work on aluminum, copper, stainless steel or galvanized metal. As a general rule, Rust Converter is the best solution for fixing rust on items you would consider painting.

**How do I prepare the surface for application ?** Good surface preparation will enable the Rust Converter to work effectively and leads to a high quality end result. You will need to remove large rust and scale particles with a stiff bristled brush, hammer or sandpaper. The object of this step is to get any loose or flaking rust off as it does not provide a stable surface. The point is not to remove all the rust ( this defeats the purpose of Rust Converter ) as **Rust Converter chemically bonds to the rust and seals it in**. Rust Converter cannot penetrate grease or oil, so clean and degrease the surface first, then let it dry. This step ensures that other surface contaminants will not interfere with the reaction of the rust converter on the rusted surface. If the surface is subject to salt water spray for deicing salts, rinse the surface thoroughly with water, and allow it to dry prior to applying Rust Converter.

**How is Rust Converter applied ?** For best results, apply **Rust Converter** with a brush or a roller. Use a brush for smaller applications and a roller for larger surfaces. It can also be sprayed on, but we recommend using an airless sprayer.

**Can I apply Rust Converter over non-rusted or painted surfaces ?** Yes, Rust Converter will adhere to non-rusted or painted surfaces but it does not provide any additional rust prevention when used on these surfaces.

**Should Rust Converter be thinned ?** **Rust Converter** should not be thinned and should be applied as supplied, ( this is offered in Ready for Use Format ) . Please shake the contents before use to get Uniform Mixing .

**How much surface area will one Litre cover ?** One Litre covers up to 120 square feet of rusted metal by brushing. Porous, textured , round & intricate shaped surfaces will require a heavier application rate.

**Can I apply a primer coat over Rust Converter ?** Yes, an oil based primer may be applied over **Rust Converter** but is not required.

**Is it necessary to paint over Rust Converter ?** Although it's not required, if your surface is exposed to severe , saline & Humid working conditions, we highly recommend applying two coats of a quality oil-based paint / Zinc Rich Paint over Rust Converter. It will definitely enhance the protective qualities of the surface from adverse weather conditions including rain, salt mist and direct sunlight.

**What type of paint should I use to cover the Rust Converter ?** Use oil based , Alkyd, Acrylic or epoxy paints , Zinc Rich Paints , to paint over **Rust Converter** , do not use Latex or water based paints.

**How many coats of Rust Converter should I apply?** Many applications require one coat. We suggest applying a second coat to assure complete coverage and conversion.

**How long does it take Rust Converter to dry ?** **Rust Converter** will dry to the touch in approximately 20 minutes. Application of a second coating will ensure proper rust conversion. If possible, wait 24 hours before applying a second coat of Rust Converter to allow for curing. If applying an oil-based top coat, wait 48 hours after the last coat to ensure it has proper time to cure.

**How should I clean my application equipment after applying Rust Converter ?** Simply use soap and water for clean-up. A spray jet / pressurized water jet will be the best for cleaning residual **Rust Converter** from the application equipments .

**Can I use Rust Converter on my grill, cast iron wood stove, engine, boiler or any other heated surface ?** No, **Rust Converter** is not heat resistant and should not be used on any surface that will be heated.

**Can Rust Converter be used on galvanized steel ?** It's only effective on the highly rusted areas where iron oxide (rust) is present, **and will not bond effectively to the galvanized areas.**

**Can Rust Converter be used inside a tank ?** No, we do not recommend using **Rust Converter** inside a tank used for storage of Drinking / Potable Water, but it is commonly used on the outside of large tanks.

**What is the shelf life for Rust Converter ?** Rust Converter has a shelf life of 12 months. We always offer FRESH STOCKS to assure that the freshest batches reach our esteemed buyers / customers .

**At what temperature can I apply Rust Converter ?** Apply Rust Converter when the temperature is between 50 & 100 °F ( Room Temperature ). Avoid applying **Rust Converter** in direct sunlight or under very damp conditions. Do not apply if the surface temperature is below 50 degrees F.

**Can I use leftover Rust Converter after I've poured it out of the Jar ?** It is advisable to use all the quantity taken out from the Jar. it should not be returned to the bottle with any unused liquid .

**What protective equipment is required ?** It's recommended that either safety glasses or goggles be worn along with chemical resistant gloves as it may cause eye or skin irritation. It is mild, but like with all chemicals ( Paints included ), we recommend exercising due pre-cautions during its usage.

**How should I dispose of any unused Rust Converter?** There are no Toxic , Acidic or Alkaline chemicals . **Rust Converter will not pollute water. It is Non Flammable. Can be discharged into your normal ETP, and subject to routine pH Checks , Aeration etc.**

**Is Rust Converter harmful if ingested ?** Yes, **Rust Converter** contains Tannic acid and medical attention should be sought immediately if ingested.

**Are vapors from Rust Converter harmful ?** The vapors emitted from Rust Converter are similar to latex paints and are not harmful, but it is recommended that it be applied only in well ventilated areas.

**Is Rust Converter approved by the FDA ?** No, **Rust Converter** shouldn't be placed in contact with foods or human water supply.

**How does Rust Converter need to be stored ?** It's best to store Rust Converter out of direct sunlight at room temperature. Do not allow to freeze and avoid temperatures above 100 degrees F.

**Can I apply a powder coat over Rust Converter ?** We have not tested rust converter using a powder coating. From our information, powder coating is not typically applied over a primer coating, but instead is applied over bare metal. We do not know how effective the powder coating would be in adhering to the rust converter product, and it may start to flake off. We do not recommend using a powder coating over the rust converter. **E&OE**

For all other commercial & Technical Details, Contact **Prof PRADEEP VAIDYA CEO PROMTECH Consultancy Group :**

**APPLICATION AREAS : TARGET BUYERS : POTENTIAL USER INDUSTRIES**



**INNOVATIVE COATING INDUSTRIES :: PROMTECH Consultancy Group ,**

Pune Factory : C/o : PMP Pvt Ltd , F-II / 29 / 4/ (ii) Near TELCO Materials Gate MIDC , PIMPRI , **Pune 411 018 India**

**Ms PAYAL Pune Factory : 0 7767982244 Email : [payalpathak75@gmail.com](mailto:payalpathak75@gmail.com)**

**INNOVATIVE COATING Industries : B-7 / 701 , VEDANT Complex , Nr Vartak Nagar Naka , THANE West 400606 India**

**PRADEEP VAIDYA CEO Promtech Consultancy Group : 9820181738 Email : [puvpromtech@gmail.com](mailto:puvpromtech@gmail.com)**

**SONIA VAIDYA Cell : 9819813015 Email : [soniavaidya30@gmail.com](mailto:soniavaidya30@gmail.com) [www.promtechaerosol.com](http://www.promtechaerosol.com)**