

RUST CONVERTER

For Use on Rusted Steel as Pre-Painting Preparation

Technical Information

Physical Data

Composition:	Water-reducible chelating polymers (Phosphoric Acid-Free)
Appearance:	Milky white liquid
Specific Gravity (@20°C):	1.0
Viscosity (@20°C):	15 mPa·s
Flash Point (PMCC):	None
pH value:	1.6
Stability:	More than 1 year when stored in a closed pail

Description

Our RUST CONVERTER is designed for use on rusted and sandblasted steel as a pre-coating preparation. It rapidly neutralizes the corrosion process by reacting quickly with rust and transforms iron oxides into a stable, insoluble blue-black metal-organic complex, creating an inert surface. This conversion process ensures the substrate is chemically passivated, providing a solid foundation for the application of subsequent paint or coating systems. It also acts as an excellent adhesion promoter for subsequent paint systems and leaves a water-insoluble hydrophobic film. This product is non-hazardous, non-flammable, and the dry film it produces is fire-retardant. It can be easily applied by brush, roller, or spray and can also be used on damp/wet rusted surfaces. One liter covers approximately 20 square meters, and it has a quick reaction time of only 3 hours. It is compatible with most used paint types and coating systems, including alkyd systems, modified alkyds, chlorinated rubber, epoxies, polyurethanes, vinyls, and the new water-based paint systems, providing cost-effective corrosion control and long-term protection.

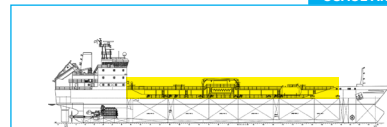
Application

Use this rust converter on all rusted steel surfaces before painting or repainting, especially when sandblasting preparation is challenging, e.g., cargo holds, decks, hatch covers, superstructures, pipelines, winches, rails, etc. It is also used on sandblasted surfaces to prevent or passivate "flash rust". Beyond being particularly suitable for use in the highly corrosive marine atmosphere, it is indeed also suitable for use on offshore oil rigs, in shipyards, and refineries.

Direction for Use

1. Remove loose rust, rust scales/flakes through thorough wire brushing. Millscale, rust chips, blisters, deteriorated paints, oil, grease, etc., should also be removed if present. In heavy industrial and marine atmospheres, rust always contains soluble salts, so it is important to remove atmospheric salts by washing with freshwater before applying RUST CONVERTER.
2. RUST CONVERTER is ready for use, and a single thin application is sufficient. Apply by brush, roller, or spray. One liter covers approximately 20 m². The reaction time is 3 hours, and paints/coatings must not be applied

USAGE AREAS



Special Product

PACKAGING



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sooner. If the rust converter is applied in confined areas, the reaction time may be somewhat longer. It is not a paint, and treated surfaces must be protected by suitable paints/coatings, preferably within 48 hours after the application of the rust converter. Equipment should be washed and flushed with clean water immediately after use.

Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE reg-

Application of RUST CONVERTER to an Oil Tanker Hatch Cover



Step 1
Preparation of the surface can be made also by wire brushing. It is advisable ST-2 Standard preparation. If present remove rust chips, millscale, blisters, grease etc.



Step 2
Flushing with fresh water to remove atmospheric salts.



Step 3
Starting the application of RUST CONVERTER by brush or roller, depending of the surface structure.



Step 4
Continuing RUST CONVERTER application.



Step 5
Hatch cover surface immediately after RUST CONVERTER application.



Step 6
Hatch cover surface after 3 hours application. The surface is ready for painting that must be done within 48 hours from RUST CONVERTER application.

Caution

The rust converter should not be applied to hot surfaces above 40°C, such as a deck area in sunny tropical climates. Such areas should be treated only when the area has cooled down during the evening and left for a reaction overnight.

ulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.

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Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product images are for reference purposes only.

Contact


For further information, please contact your local Uniservice Unisafe sales representative or get in touch with us:


Uniservice Unisafe SRL

Marine Chemicals Division

 Via al S.N.S. della Guardia 58a

Genoa 16162 Italy

 (+39) 010 711 395

 (+39) 010 713 120

 www.uniservicemarine.com