

**RESTORE RUST CONVERTOR****1. DESCRIPTION**

Restore Rust Converter is a high quality co-polymer based waterborne rust converter for use on rusted mild steel that reacts and convert rust to a stable surface

2. INTENDED USE

- To neutralize red rust on mild steel in areas where it is impractical/impossible to remove rust completely, such as burglar bars, fencing, structural steel, garden furniture etc.
- To give corrosion protection to rusted surfaces without the need for intensive surface preparation.
- For interior and exterior use.

3. PRODUCT FEATURES

- Reacts chemically with rust and effectively stops further corrosion.
- No need to use sand blasting or acid based cleaners
- Can be used on wet surfaces
- On drying the creamy white coating is converted to a firmly adherent bluish-black film.
- Water insoluble after curing
- Can be overcoated with most types of solvent borne and waterborne emulsion paints such as alkyds, acrylics, epoxies, polyurethanes and vinyl systems.

4. TECHNICAL DATA

Product Code	RES 1024
Colour	Creamy White – converts to blue-black
Appearance	Glossy
Packaging	500ml & 1ℓ plastic bottles
Flashpoint	Non-flammable
S.G (Weight)	1.08 (typical)
pH	1,5 – 3,5
Viscosity	60 – 65KU
Practical spreading rate	Approx. 7m ² /ℓ
Recommended DFT	Min: 20µm Max: 30µm

5. SURFACE PREPARATION

- Remove all loose rust by wire brushing, chipping, scraping and abrading.
- Remove oil, grease or any contaminants using **Restore Brush Cleaner** followed by clean water rinses
- N.B. Particular in coastal areas surfaces must be rinsed thoroughly with fresh water to remove salt deposits before applying **Restore Rust Converter**
- Apply 2 coats of **Restore Rust Converter** with a brush
- The converted rust will dry due to blue/black finish

6. LIMITATIONS

- Do not apply emulsion paints directly to **Restore Rust Converter**
- **Not** for use on galvanized iron roofs or on surfaces exceeding temperatures above 60°C as this may cause break down of the polymer.
- Once stirred, decant what is required for application in order to prevent brush residue contamination of the unused product.
- Do not put used product back into the container, this will result in gelling.

7. APPLICATION

- Apply in full wet coats by brush, roller or airless spray to allow maximum penetration into remaining rust.
- May be overcoated with itself (unexposed conditions only) or with alkyd paint systems, epoxies polyurethanes, vinyl systems, etc.
- Before overcoating with emulsion paints such as **IMPA GELCOAT WB**. First apply a coat of **IMPA ZINC PHOSPHATE PRIMER** to prevent bleed through.



TECHNICAL DATA SHEET

Page 2 of 2

- For added protection in humid and coastal environments apply a coat of **Metalcare Metal WB Primer** before overcoating.
- **Mixing**
Stir with a flat paddle or shake container until homogeneous.
- **Thinning**
Not normally required for brush or roller application. Thin 5 – 10% with water for conventional spray.
- **Method**
- Brush, roller or airless spray
- **Cleaning**
- Water
- **Substrate**
- Rusted steel
- **Drying time**
- Touch dry 30 min at 23°C
- Dry to handle 1h at 23°C
- Overcoating 1h at 23°C overcoating with itself
4h at 23°C if overcoating with other paints to allow for chemical reactions to complete
No max limit provided surface is clean and firm
- **Storage**
Store away from direct sun, heat and severe cold

8. SAFETY PRECAUTIONS

- Application should be avoided in cold and moist weather conditions.
- **Do Not** apply the product at surface temperatures below 6°C (minimum of 2°C above dew point) and temperatures above 40°C
- **Do Not** apply if ambient temperature is less than 10°C or more than 40°C.
- **Do Not** apply if relative humidity temperature is less than 10°C or more than 85. °C
- Handle with care – the product is acidic
- Protective clothing and goggles should be worn when applying by spray
- Keepout of reach of children
- Ensure good ventilation during application and drying
- In case of skin contact, wash with soap and water or a recognised skin cleaner
- Avoid contact with eyes. In case of eye contact, wash with copious amounts of water and consult a doctor.
- Harmful if swallowed. Do not induce vomiting. Seek medical attention.
- Refer to Material Safety Sheet for complete information.

Environmental Health & Safety Information

DANGER! CORROSIVE! WILL CAUSE EYE BURNS AND PERMANENT TISSUE DAMAGE.

HARMFUL IF SWALLOWED. CONTAINS POTASSIUM HYDROXIDE. AVOID CONTACT WITH SKIN.

May cause permanent skin damage and severe respiratory system irritation. Use with adequate ventilation. Wear protective clothing, acid resistant rubber gloves and eye goggles. Avoid breathing spray mist. If properly used, a respirator may offer additional protection. FIRST AID: Eye and skin contact: In case of eye or skin contact, flush immediately with water for 20 minutes. Get medical attention if irritation or symptoms of overexposure persist. If inhaled, move to fresh air. If swallowed, DO NOT induce vomiting. Get medical attention immediately. Give water to dilute material in stomach. Never give anything by mouth to an unconscious person.

CAUTION: KEEP OUT OF REACH OF CHILDREN AND ANIMALS – DO NOT TAKE INTERNALLY.

Refer to Material Safety Data Sheet for additional health and safety information.

IN CASE OF FIRE: Use foam, CO₂, dry chemical, or water fog.

SPILL – Absorb with inert material and dispose of as specified under Thinning/Clean-up.

DISCLAIMER

The technical information contained in this document are given in good faith and are meant to be used as a guideline by the specifier or user. Whilst we are confident about the quality of our products, we cannot accept any liability for the incorrect use or application of our products. Surface preparation forms an integral part of the scope of works and it is expected that the highest standards are maintained during surface preparation and application, to ensure that our products perform as intended. Always ensure to use the same product batch numbers, refrain from doing spot touch-ups and paint surfaces from corner to corner to prevent colour and sheen variance.

Please note that all our latest Product Data Sheets and Material Safety Data Sheets are available for viewing on our website at www.prepfit.co.za. All information listed is owned or used under licence of Prepfit and its related companies. © Prepfit (Pty) Ltd. All rights reserved.