

**RESTORE FERRO RUST CLEANER****1. DESCRIPTION**

- **Restore Ferro Rust Cleaner** is suitable for application at dispersed points where blast cleaning would be impractical.
- For post treatment of nuts and bolts
- For pre-treatment on rusty steel structures that needs to be overcoated

**2. INTENDED USE**

- Small articles like nuts and bolts may be dipped in **Restore Ferro Rust Cleaner**
- Larger surfaces may be brushed on or wash on. Allow to act for about 15 minutes.
- If there is residual rust repeat in those areas.
- Clean surface with water.

**3. TECHNICAL DATA**

|                          |                             |
|--------------------------|-----------------------------|
| Product Code             | RES 6001                    |
| Colour                   | Transparent                 |
| Appearance               | Black – Grey when dry       |
| Packaging                | 1L & 5L plastic bottles     |
| Flashpoint               | 100°C                       |
| S.G (Weight)<br>pH       | 1-12 (typical)<br>1,5 – 3,5 |
| Practical spreading rate | Approx. 16m <sup>2</sup> /ℓ |

**4. SURFACE PREPARATION**

- First, we recommend removing as much dirt, grease, oil or other contaminants from the surface of the rusted item as you can. While this step isn't necessary, it will extend the life of **Restore Ferro Rust Cleaner**.

**5. LIMITATIONS**

- Avoid splash onto other surfaces, splashes will leave permanent stains on aluminum, zinc, cement plaster and wood.
- When the primer is a single or two pack self etch primer, the etching action will be lowered as the steel already reacted with phosphoric acid.
- Unreacted phosphoric acid could therefore remain in the etch primer film and cause blistering.

**6. APPLICATION**

- **Submerge the Item:**  
**Restore Ferro Rust Cleaner** must maintain contact with your rusted item to perform its chemical process. The easiest method is to use a plastic tank or tub to contain the **Restore Ferro Rust Cleaner** and then place the item in the **Restore Ferro Rust Cleaner**.
- **How long to Submerge:**  
There is not one answer to how long you should soak your item, and there are many factors that shorten or lengthen the soak time needed.  
The most obvious factor is how deep of a rust problem you have. A very lightly rusted item is likely to take under an hour. A heavily rusted item that has been left unprotected for years may take 8 hours or more.  
The temperature of your **Restore Ferro Rust Cleaner** can effect how long it takes to de-rust your item. We recommend that you use it as at temperatures at or above room temperature. It will work at lower temperatures, just much more slowly.  
If your container of **Restore Ferro Rust Cleaner** was left in a cold environment just remember, even if you bring it into a warm environment, it will take a while for it to warm up. The temperature of the **Restore Ferro Rust Cleaner** is the important factor, not the ambient temperature.
- **After Removal:**  
Once all the rust has been removed, you can take the item out of the solution. You may notice some loose material on the surface of the item. To remove it, just wash the item with water and use a brush or sponge if necessary.



## TECHNICAL DATA SHEET

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- **Protection from Rusting :**
- An optional step that will protect your item from re-rusting is to wet your item again with **Restore Ferro Rust Cleaner** and let dry. This can be accomplished by keeping a small amount of it in a separate container and dipping it in. The other option is to use a squirt bottle to wet the item. This protection step will protect your item for a few weeks if kept indoors. For longer protection or outdoor protection we recommend you use **Restore Rust Conventor**.
- **GENERAL**
- **Restore Ferro Rust Cleaner** may be followed as soon as the surface is dry by a good primer coating eg. **Impa MP5 Rust WB Primer**.
- Although the steel is phosphate, the primer should follow within at least 3-4 hours as rusting can begin if left longer.
- After application inspect the surface for residual rust.
- Repeat process of applying, leaving for 15 minutes and rinsing till surface is rust free.

### 7. 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.
- Dispose container safely when done.
- 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 ORGANIC SALT. 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, CO<sub>2</sub>, 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](http://www.prepfit.co.za). All information listed is owned or used under licence of Prepfit and its related companies. © Prepfit (Pty) Ltd. All rights is reserved.*