



Rustcure

Description

Evolving Elements Rustcure effectively treats rust and prepares the surface for priming. The advanced formulation chemically reacts with the rusty surface creating a lasting barrier against further corrosion. It is an acid based treatment designed for chemical passivation and removal of light rust from metal roof sheetings.

It also facilitates removal of minor deposits of oil and grease as well as chemically etching the metal surface to ensure optimum adhesion of the subsequent primer coat.

Evolving Elements Rustcure is supplied as a concentrate and must be diluted before use.

Features and Benefits

- Converts rust to a useful metallic surface.
- Creates a lasting barrier against further corrosion.
- Promotes adhesion for subsequent paint application.
- Fast and effective.
- For application on lightly rusted steel, wrought iron and other ferrous metals.

Suitable substrates (when properly prepared)

- Zinalume® & Galvanised Iron
- Bare (clean) Iron and Steel
- Colorbond®

Substrate Preparation

When applying Evolving Elements Rustcure to a roof, it is recommended that rainwater tanks be disconnected from the guttering system before commencing work.

Substrate Preparation cont..

The guttering should remain disconnected until after application of all subsequent coatings and until all residues are washed from the guttering.

- Rustcure is suitable for use on light rusted steel, wrought iron and other ferrous metals.
- Should only be applied to rusted surfaces and is not recommended as a rust preventative coating on clean steel.

Dilution

- Always add Evolving Elements Rustcure to water, do NOT add water to the Rustcure.
- For Chemical etching of sound metal surfaces , slowly add one (1) part Rustcure to three (3) parts clean water and mix well.
- For removal & passivation of light rust, slowly add one (1) part Rustcure to one (1) part of clean water and mix well.

NOTE: Do not use a metal container for dilution and mixing - use plastic container

Application Method

- Heavy rust deposits must be removed by wire wheel or sanding before application of Rustcure. The surface must be cleaned and allowed to dry before application of Rustcure. Pressure cleaning is recommended for best results.
- Apply with brush, roller, mop or scouring pad to a dry, cool surface.
- Leave for minimum of 10-15 minutes to react. Agitation of the liquid into corroded areas using a plastic scourer or broom can increase effectiveness.
- Rinse off properly with clean water. Avoid splashing
- The treated area must be primed with the applicable Evolving Elements Surface Prime Plus+ within 30 minutes of rinsing.

Shelf-Life - Transport & Storage

Unopened Containers - Maximum two (2) years from date of manufacture when stored correctly. Pails should not be stacked more than three (3) high during transportation and must be transported upright, Store in a cool place, upright, out of direct sunlight and above 4°C. For further information refer to MSDS Evolving Elements Rustcure.

Safety and Handling

KEEP OUT OF REACH OF CHILDREN

Evolving Elements Rustcure is a highly corrosive liquid containing Phosphoric Acid; it may produce severe burns & skin irritation.

Refer to MSDS for Evolving Elements Rustcure before use. For further information on Material Safety Data Sheets, contact JPS Coatings on +61 3 9357 6644 or visit www.evolvingelements.com.au.



Adhere to the following safety measures:

- Avoid inhalation of the vapour, prolonged skin contact and particularly eye contact.
- Wear protective clothing to minimize skin contact and wear goggles where splatter is likely.
- Where spills occur, soak up liquid spillage with sand/sawdust and dispose of in a sensible manner. Do not permit run-off to sewer, storm water or open bodies of water.
- Storage- no specific issues, store away from food and drink.

First Aid Measures

Ingestion

- If swallowed, wash out mouth with water. Do NOT induce vomiting. Drink at least two (2) glasses of water. Seek medical attention.

Eye

- Wash with copious amounts of water for 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. Seek medical attention.

Advice to Doctor

- Treat symptomatically.

Technical Specifications

Packing	Coverage	Application Thickness
5L D.G Plastic carboys (@6Kg/Pail)	10-15m ² /L	N/A
Type	Acid based Rust remover Contains Phosphoric Acid 35% w/w	
Application method	 Roller, Brush, Spray	
Clean Up	 Clean all with water after use	
Appearance	Green Coloured Liquid	
Odour	Low	
Drying Time(@25°C & 50% RH)	Tack Free	Wash & Overcoat
	N/A	Surface Prime Plus+ - 30mins
Fully Dry	N/A	
No. of coats	Typically 1 coat	
pH	Acidic - < 1.0	
Specific Gravity	~ 1.1 -1.2	
Dilution	Water - Dilute as indicated above	
Shelf life	24 Months from date of mfg (sealed)	
Flammability	Non-flammable	

Warranty

JPS Coatings provides a material replacement warranty against peeling or flaking of the full Roofcoat System caused by any defect in manufacture for a period of ten years when applied correctly by a skilled and experienced applicator in accordance with all current application criteria, including but not limited to, substrate type and preparation, application rates and methods, prevailing weather conditions and protection of finished work. Application dates, product batch numbers and quantities must be recorded and supplied as a minimum to effect potential product failure investigation. JPS Coatings provides no warranty, expressed or implied, against damage due to movement of the substrate or structure. JPS Coatings cannot accept responsibility for variations in colour, strength, defects, appearance or workability etc resulting from on-site mixing procedures and other application conditions as they are not within the control of JPS Coatings.

This information is provided with respect to the listed JPS Coatings products;

(a) You review the Technical Data Sheets (TDS) and Safety Data Sheets (SDS) before you use or handle the product; (b) the product be used only in accordance with the information provided by JPS Coatings; (c) the product be transported and handled in accordance with the SDS and relevant TDS; and (d) you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product. The information in the technical data sheet was prepared using information gathered during product development. While JPS Coatings endeavours to update this information and maintain the accuracy of its contents, JPS Coatings cannot guarantee that the information is wholly comprehensive. JPS Coatings recommends that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact JPS Coatings Office. To the full extent permitted by law, JPS Coatings liability for breach of a condition or warranty implied into the contract for sale between JPS Coatings and you by law is limited at JPS Coatings election to: (a) the replacement of the product; or (b) payment of the cost of replacing the product. The technical information and suggestions for use and application are given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise. The manufacturer does not assume any liability for any loss or injury resulting from the use of the product. Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times