

TECHNICAL DATA SHEET

PROMINENT RUST PRIMER

Date: *January 2025*



THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

An anti-corrosive metal primer based on an acrylic emulsion together with zinc phosphate as a corrosion inhibiting pigment.

INTENDED USES:

1. Primer for prepared rusted metal surfaces.
2. Primer for prepares weathered galvanised iron.
3. Primer for new prepared steel or galvanised sheeting, oil free metal.

FEATURES:

- | | |
|-------------------|---|
| 1. Rust inhibitor | Prevents formation of rust and existing rust spreading. |
| 2. Adhesion | Excellent adhesion to firm, clean rust and weathered galvanised iron. |
| 3. Overcoating | Can be overcoated with Prominent Paints Universal Undercoat, Prominent Paints Gloss Enamel, and emulsion paints with high resin content after 48 hours. |
| 4. Water based | Easy to clean, easy to apply. |

PRODUCT INFORMATION:

Appearance:	Low sheen.
Colours:	Red and Grey.
Solids:	47.3% by mass and $\pm 35.4\%$ by volume.
Density:	1,43kg/l.
Recommended Wet Film Thickness:	113 μ m
Recommended Dry Film Thickness:	40 μ m per coat.
Spreading rate:	6 - 8m ² /l dependent on surface texture.
Viscosity at 23°C:	100-110KU.
Flash point:	Non-flammable.
Respecting the environment:	Dispose of excess product and containers in a responsible manner without harming the environment.

This product is manufactured under strict SABS ISO 9001:2015 quality standards.

STORAGE:

PACKAGING:

Keep containers properly sealed.
Store away from direct heat, sun and severe cold in a place with adequate ventilation.

1Lt, 5Lt, 20Lt

TECHNICAL DATA SHEET

PROMINENT RUST PRIMER

APPLICATION DETAILS:

Mixing:	Stir well before use with a flat paddle to an even consistency. Stir occasionally during use.		
Method:	Roller (short, medium woven pile), brush and airless spray.		
Thinning:	Not recommended.		
Cleaning:	Tap water. Remove as much of the product as possible from the application equipment before cleaning with water.		
Application Conditions:	<u>Surface Temperature</u>	<u>Ambient Temperature</u>	<u>Relative Humidity</u>
	Min: 10°C	Min: 10°C	Min: 10%
	or 3°C above dew point, if possible, away from direct sunlight		
	Max: 50°C	Max: 35°C	Max: 80%
Drying time:	<u>Touch dry:</u>	<u>Recoating:</u>	<u>Overcoating:</u>
	1h at 23°C	4h at 23°C	8 - 24h at 23°C
	Note: higher temperatures will accelerate the drying times (approximately halved for every 10°C increase) whilst lower temperatures will retard the drying times (approximately doubled for every 10°C decrease).		
Requirements:	2 Coats or more depending on meale corrosion test results.		

SURFACE PREPARATION

Surfaces must be sound, clean, and dry (moisture content below 15%) before painting.

New Work:

- 1. New Steel:** Remove fabricators pre-treated oil, oxidation or any other contamination with Prominent General Purpose Cleaner at a diluted ratio of 1:10 with water using a scouring pad and then rinse with clean water. Make use of Prominent Multi Surface Etch Cleaner and abrasive pads. Ensure that a water break-free surface is obtained. Rinse well and allow drying before applying 1 coat Prominent Rust Primer.
 - 2. Rusted Steel:** Remove all rust mechanically, degrease with Prominent General Purpose Cleaner diluted 1:10 with water using a scouring pad and then rinse with cleaner water. Then use Prominent Multi Surface Etch Cleaner diluted 1:5 with water and a scouring pad and allow reaction for 20 minutes. Rinse with clean water or high-pressure water. Allow to dry. Apply 2 coats of Prominent Rust Primer.
 - 3. Weathered galvanised iron:** Loose rust and oxidation must be mechanically removed, degrease with Prominent General Purpose Cleaner diluted 1:10 with water using a scouring pad and then rinse with cleaner water. Then use Prominent Multi Surface Etch Cleaner diluted 1:5 with water and a scouring pad and allow reaction for 20 minutes. Rinse with clean water or high-pressure water. Allow to dry. Apply 2 coats of Prominent Rust Primer.
 - 4. New galvanised iron** Remove fabricators pre-treated oil, oxidation or any other contamination with Prominent General Purpose Cleaner at a diluted ratio of 1:10 with water using a scouring pad and then rinse with clean water. Make use of Prominent Multi Surface Etch Cleaner and abrasive pads. Ensure that a water break-free surface is obtained. Rinse well and allow drying before applying 1 coat Prominent Rust Primer.
- Meale corrosion test:** After initial Rust Primer Application should it be red and the confirmation of rust crystals needs to be confirmed, stick a piece of masking tape over the first coat primer after 4 hours and pull it off. When you look on the sticky side of the tape and you notice rust spot then apply a subsequent coat of Prominent Rust Primer before applying your topcoats.

TECHNICAL DATA SHEET

PROMINENT RUST PRIMER

SURFACE PREPARATION

Previously Painted Surfaces with Peeling and Flaky paint with Rust:

1. Remove all paint back to bare surface in rusted areas. Treat as new work.

If in doubt about the correct surface preparation, then contact the Prominent Paints Technical Department first on 0861 776 646 or 011 389 4746.

LIMITATIONS:

1. Must be used only as a primer and not as a finishing coat.
2. If the Primer has not been applied within four hours after preparation, the preparation starts from scratch.
3. Exterior surfaces must not be exposed to rain within 12 hours of application.
4. Application conditions must be adhered to.
5. Prominent Paints Rust Primer cannot be over coated with Prominent Paints Machinery Enamel products and other strong solvent products e.g. Prominent Paints 2 Pack Polyurethane Floor Coating.
6. Product not UV resistant.

SAFETY PRECAUTIONS:

1. Keep out of reach of children.
2. Ensure to maintain good ventilation during the application and drying process.
3. In case of skin contact, wash with soap and water or a recognised skin cleaner. Avoid contact with eyes. In case of contact with eyes rinse immediately with running water and seek medical advice
4. If product is ingested, drink plenty of water or milk. Do not induce vomiting at any time. Seek medical advice.
5. Refer to the Material Safety Data Sheet (MSDS) for detailed information about the product and transportation and classification criteria. MSDS is available on www.prominentpaints.co.za or from Prominent Paints Customer Service Department.
6. To avoid any risk of spillage, always transport in a secure upright position.

DISCLAIMER:

The information contained herein is given in good faith and is meant merely as a guide for the specifier or user. It is gained from results obtained from our experience and tests conducted under controlled conditions. No warranty/guarantee is implied since the conditions of use, application method, substrate and cleanliness of the substrate are beyond Prominent control. For a surface specific specification contact the Prominent Customer Service Department for assistance. This issue supersedes all previous publications.

Important Note: Technology may change with time, necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used for reference. Prominent Technical Data Sheets are available on www.prominentpaints.co.za or from the Prominent Customer Service Department.

Prominent (Pty) Ltd.
11 Dan Jacobs Street.
Alrode Alberton 1449
P.O. Box 136166
Alberton North 1456

Customer Service Department:
Tel: +27 86 177 6646
Tel: +27 11 389 4746

Reg. No. 1997/006763/07