



# SOLID RUSTGARD

An Anti Rust Primer Coat



## BENEFITS

- > Superior corrosion resistant formula - contains Zinc Phosphate.
- > Easy to use.
- > Quick drying and can be handled within an hour.
- > It has good flow and levelling properties, leaving the surface smooth and ready for paint.
- > Good sanding and topcoat adhesion.
- > It has no toxic fumes, so you can safely use it in a confined space.
- > Cleaning your tools afterwards is easy - simply use water.
- > Non-flammable and environment friendly.

## DESCRIPTION

**SOLID RUSTGARD** coating is a high performance metal primer and rust treatment engineered with anti-corrosive zinc-phosphate pigments that prevents the development of rust. Suitable for new or corroded metal, **SOLID RUSTGARD** coating stops rust that may have already formed and creates a highly effective barrier against the formation of new rust.

## USES

- > Prime a variety of metals including steel and galvanized iron.
- > Superior Anti-Rust coating for new or corroded metal.
- > Suitable for domestic, industrial and automotive uses, including priming of industrial steel framing, farm implements, tanks, roofs, handrails, window and door frames.

## COVERAGE

- > Recommended spread rate of 1 litre per 8 ~ 10 m<sup>2</sup> per coat, depending on surface.
- > Recommended wet film thickness of 80 microns per coat giving a dry film thickness of 40 microns per coat.

## HEALTH & SAFETY

- > Not for internal consumption.
- > Keep out of reach of children.
- > Skin or Eye contact: If splashed in the eyes or on skin, rinse off immediately with clean warm water.
- > Spray application: areas where spraying takes place should be clean and well ventilated. If necessary use suitable respiratory safety equipment and protective clothing.



## TECHNICAL DATA

Pack Size	5 and 20 liter metal pail.
No of Component	(1) one.
Drying Time	Surface : 1hr at 25 °C. Hard : 6 hrs at 25 °C.
Overcoating	48 hrs at 25 °C for solvent based topcoat. 4 hrs at 25 °C for acrylic topcoat.
Volume Solids	48% ~ 52%.
Wet Film Thickness	80 microns per coat.
Dry Film Thickness	40 microns per coat.
Service Temp.	-10 ~ 60 °C.
Application Temp.	5 ~ 40 °C.
Color	Dark red.
Density	1.31 ~ 1.38g/cm <sup>3</sup> .
Finish	Matt.
Toxicity	Non toxic when dry.
Fire Hazard	No.
Shelf Life	24 months.
Storage	Under cover in cool, dry condition.

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## HOW TO USE

### Surface Preparation :

- > Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, mill scale, salt, algae, grease and excess rust.
- > Weathered steel and weathered galvanized iron: Remove all rust by sanding or wire brushing. Rinse with water to remove sanding dust and allow to dry. If metal has been exposed to salty air, wash off thoroughly with fresh water. If substrate is contaminated with any grease, grime or oil, clean with **SOLID ALKALINE-BASED DEGREASER** or lacquer thinners, rinse off with water and allow to dry.
- > **New metal** : New metal requires special treatment. Abrade surface lightly, then rinse well. Remove mill scale by sandblasting or with a chipping hammer (sand-blasting to SA2.5 with a 40 ~ 50 profile gives the best results). Prime with **SOLID ETCHING PRIMER**.
- > New galvanized iron: Clean surface with **SOLID ALKALINE-BASED DEGREASER** according to instructions. Rinse thoroughly with water until a water breakfree surface is attained and allow to dry. Apply **SOLID ETCHING PRIMER** and allow to dry. Overcoat with **SOLID RUSTGARD** coating within 3 days.
- > **New steel** : Remove any surface rust or mill scale by sanding or wire brushing. Wash with **SOLID ALKALINE-BASED DEGREASER** or lacquer thinners to remove sanding dust and any oils or grease. Rinse with water and allow to dry. Apply **SOLID ETCHING PRIMER** and allow to dry. Overcoat with **SOLID RUSTGARD** coating within 3 days.

### Application :

- > Stir **SOLID RUSTGARD** coating well.
- > Apply using a brush, roller or spray.
- > Allow first coat of **SOLID RUSTGARD** coating to dry for at least one hour before applying a second coat.
- > For best results always apply two coats.
- > Allow **SOLID RUSTGARD** coating a minimum of 48 hours to cure before applying a topcoat.

**Cleaning** : Hands and equipment are easily cleaned in water while wet. Collect spills with suitable absorbent material.

### IMPORTANT

- > Application in areas where surface temperature exceeds 40°C is not recommended.
- > Exhibit care when overcoating with compositions containing strong solvents e.g. nitro-cellulose lacquers

## QUALITY ASSURANCE

**SOLID** manufactures the entire range of construction chemical under compliance of SIRIM and other international standards (ASTM, BS, GBI, LEED).

## TECHNICAL SERVICES

While new advance and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel and experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

**Disclaimer** : The information provided in the data sheets is based on both current development of work and years of field experience. Efforts are made to ensure that the information is reliable, however, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of continuing research and development (R&D) undertaken in our laboratories, we advise customers to ensure that the data sheets provided are not superseded by an updated publication. All products are sold are subject to our standard condition of sale, which is available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local **SOLID** representative.



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