



**PRODUCT DESCRIPTION**



Richard's Rust Shield QD Industrial Red Oxide Metal Primer is a high performance, versatile primer specially formulated for application to properly prepared interior and exterior metal surfaces. Its special formulation provides excellent protection against rust and corrosion, which enables application in industrial areas. It is moisture resistant, alkali and chemical resistance, and may be applied to slightly, rusted metal surfaces. It applies easily, and provides excellent coverage, may be top coated with a variety of finish coatings, such as latex and alkyd/oil-based coating, industrial coatings, such as two component epoxies, aliphatic urethanes, and most oleo resinous coating systems.

**PRODUCT FEATURES**

- Rust Preventative
- Superior Coverage
- Excellent Adhesion
- Corrosion Resistant
- Moisture Resistant
- Chemical Resistant
- Excellent Product Versatility
- Easy To Apply

**PRODUCT USES**

Suitable for, but not limited to the following properly prepared surfaces;

**INTERIOR/EXTERIOR**

- Structural Steel
- Steel Tanks
- Pipes & Pipelines
- Rails & Catwalks
- Iron
- Equipment
- Machinery
- Etc.

**NOTE: This Coating Material Is Specifically Formulated For Application To Bare Metal Substrates Only. Great For Interior & Exterior Use!**

**PERFORMANCE QUALITIES**

- Product Quality:** Industrial / Professional
- Product Use:** Interior / Exterior
- Application:** Brush | Roller | Spray
- Product System:** Solvent-Based
- Sheen:** Flat
- MPI Standards:** NO
- VOC Compliance:** AIM, LADCO, OTC Phase I

**SURFACE PREPARATION**

**GENERAL:** The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew and any other surface contaminants that may adversely affect the performance of this coating material.

- **PREVIOUSLY PAINTED SURFACES:** Remove loose, scaling, cracked or peeling paint from previously painted surfaces in accordance with The Society for Protective Coatings specifications SSPC-SP 2 – Hand Tool Cleaning, or by power tool cleaning methods, such as electric sanders or grinders according to SSPC-SP 3 – Power Tool Cleaning specifications. Sand rough paint edges smooth to adjacent surface area. Sand glossy surfaces. Spot prime bare surface areas and allow to thoroughly dry before applying finish coatings.
- **SURFACE REPAIRS:** Repair/replace any damaged and/or delaminated surface areas with the proper recommended patching and/or building materials. Allow patching materials to dry thoroughly before application of paint coatings
- **METAL SURFACES – IRON & STEEL:** Remove all surface contaminants, oil and grease in accordance with SSPC-SP1. Remove loose rust and rust deposits in accordance with SSPC-SP 2 – Hand Tool Cleaning, or SSPC-SP 3 – Power Tool Cleaning specifications. For optimal performance, clean the surface by abrasive blasting to achieve SSPC-SP 6/NACE 3 – Commercial Blast Cleaning standards. Prime all bare metal within 8 hours before flash rusting occurs.
- **MILDREW:** Surface areas affected by mildew should be treated with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how you can protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-Lead, or log onto [www.epa.gov/lead](http://www.epa.gov/lead).

**TECHNICAL DATA**

- **COLORS:** Red Oxide
- **TINTING:** Not Recommended
- **VEHICLE TYPE:** Proprietary Alkyd
- **VISCOSITY:** 82 KU ± 2
- **GLOSS @ 60°:** Flat | 0 - 5 units
- **FLASH POINT:** 103° F
- **COATING VOC:** Not to Exceed 400 g/l – 3.36 lbs./gal  
(Meets AIM, LADCO, & OTC Phase I Standards)
- **SOLIDS BY VOLUME:** 50.48% ± 2%
- **SOLIDS BY WEIGHT:** 71.49% ± 2%
- **ESTIMATED COVERAGE:** 300 – 400 SFPG  
(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)
- **RECOMMENDED MIL FILM:** (Estimated @ 350 SFPG)  
**Wet:** 4.6 mils **Dry:** 2.3 mils
- **DRY TIME:** (@ 70° F & 50% Relative Humidity)  
**To Touch:** 30 min. - 1 hr.  
**Recoat:** 6 - 8 hrs. | Conventional Finishes  
16 – 24 hrs. | Solvent Epoxies & Urethanes  
(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)
- **DRIES BY:** Oxidation / Solvent Evaporation
- **CLEAN UP:** Xylene
- **THINNING:** Not Recommended
- **WEIGHT/GAL:** 12.99 lbs.
- **SHELF LIFE:** 2 - 3 years unopened
- **PACKAGING:** Qts. – N/A | Gal. – 4/cs. | 5 Gal. - Each

## RECOMMENDED FINISH COATINGS

The following Richard's products are recommended finish coatings for this primer coating material, but are not limited to the products listed below;

- **FLAT FINISHES**
  - 100 Series, Signature Series 100% Acrylic Flat House Paint
  - 650 Series, Rich Shield 100% Acrylic Flat House Paint
- **LO-LUSTER/EGGSHELL FINISHES**
  - 130 Series, Signature Series 100% Acrylic Lo-Lustre House Paint
  - 370 Series, Rich Classic Eggshell Acrylic House Paint
- **SATIN FINISHES**
  - 400 Series, Signature Series 100% Acrylic Satin House & Trim
  - 640 Series, Rich Shield 100% Acrylic Satin House & Trim
  - 1240 Series, EXCEL 100% Acrylic DTM WB Satin Industrial Enamel
- **SEMI-GLOSS FINISHES**
  - 680 Series, Rich Shield 100% Acrylic Semi-Gloss Enamel
  - 750 Series, Signature Series 100% Acrylic Semi-Gloss Enamel
  - 1250 Series, EXCEL 100% Acrylic DTM WB Industrial S/G Enamel
- **GLOSS FINISHES**
  - 200 Series, Signature Series 100% Acrylic Gloss House & Trim
  - 1000 Series, Rust Shield Polyurethane Industrial Gloss Enamel
  - 1200 Series, Rust Shield II 100% Acrylic Industrial DTM Gloss Enamel
  - 1500 Series, Rust Shield QD Industrial Gloss Enamel
  - 1700 Series, Rust Shield High Solids QD Industrial Gloss Enamel

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using quality natural china bristle brush.
- **Roller Application:** Apply using a smooth - medium nap synthetic, lamb's wool or mohair roller cover, depending on texture or surface porosity.
- **Spray Application:**
  - **Pump:** Gas or Electric Airless Sprayer
  - **Pressure:** Minimum 2000 PSI
  - **Tip:** 0.017 – 0.019 Reversible
  - **Hose:** ¼ inch (6.3 mm) - ¾ inch (10 mm)

## PRODUCT LIMITATIONS

- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

## CLEAN UP & THINNING INSTRUCTIONS

- **Clean Up:** Clean up any minor spills and splatters immediately with **Xylene**, as well as all painting tools and airless equipment. More serious paint spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.
- **Thinning:** Stir thoroughly and apply as it comes from the container. Thinning is not necessary. **DO NOT THIN!**

## LIMITED WARRANTY

Richard's Paint Mfg. Co., Inc. warrants our products to meet the application, appearance and performance properties stated on the label. This Limited Warranty shall not apply to any defect or damage resulting from improper surface preparation, structural defects, failure of a previous paint or improper application of the coating, as described in the directions on the label of this container. If this product is found not to perform as specified, Richard's Paint will, at its option and upon presentation of proof-of-purchase (the original receipt), either furnish an equivalent amount of new product or refund the original purchase price of this product to you. **ALL OTHER WARRANTIES ARE EXCLUDED BY RICHARD'S PAINT MFG. CO., INC., EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

## LIMITATIONS

Seller's liability for any reason is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. **THIS WARRANTY EXCLUDES (1) LABOR AND COSTS ASSOCIATED WITH LABOR FOR THE APPLICATION OR REMOVAL OF ANY PRODUCT, AND (2) ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OR RESULTING FOR ANY REASON UNDER THE SALE, HANDLING, OR USE OF GOODS SOLD.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state. This Limited Warranty may not be transferred or assigned.

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## PRODUCT APPLICATION – General

**Richard's Rust Shield QD Industrial Red Oxide Metal Primer** may be easily applied with a quality brush, roller, or spray equipment as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- Apply a small test sample of the primer to previously painted surfaces to test for lifting and product compatibility. If lifting occurs, remove existing paint finish completely and treat as a new substrate.
- Always paint to a natural break in the surface, such as a corner or edge.
- **Brush Applications:** When applying by brush, use a quality natural bristle brush and apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- **Roller Application:** When applying by roller cover, use a quality smooth, medium or rough nap roller, depending on surface porosity, and apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking.
- **Spray Application:** When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.017 – 0.019 fluid spray tip.
- Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area.
- Apply when surface and ambient temperatures are above 55° F and below 90° F. Do not apply when surface and/or air temperature is within 5° F of the dew point.
- Avoid exterior paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint.

## PRECAUTIONARY & SAFETY INFORMATION

### CAUTIONS: DANGER! CONTAINS XYLENE! FLAMMABLE LIQUID AND VAPOR!

**VAPOR HARMFUL!** May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, throat, eye and skin irritation. Can be absorbed through the skin. May cause organ damage. Keep away from heat sparks and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **USE ONLY WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor / mist levels are above applicable limits, wear an appropriate, properly fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Do not breathe dust, vapors or spray mist. Do not get in eyes, on skin or clothing. Wash thoroughly after handling, and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

**FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin contact, wash thoroughly with soap and water. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately.

**NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents herein may be harmful or fatal

**KEEP OUT OF REACH OF CHILDREN!**