



**PRODUCT DESCRIPTION**



Richard's Rust Shield Fast Drying Shop Coat Metal Primer is a professional quality fast-drying rust preventative alkyd metal primer formulated for shop environments where bulk and assembly line usage is required. Protects steel and iron from corrosion during project fabrication and storage, and permits faster handling of primed parts both in-shop and in the field. It is easy to apply, spreads evenly, provides excellent coverage, and resists sagging. It offers superior product versatility, allowing for application to a variety of interior and exterior metal surfaces, and may be top-coated with a variety of recommended finish coatings, including water-based and alkyd/oil-based coatings. Great for interior & exterior use.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> <li>Rust Preventative</li> <li>Excellent Coverage</li> <li>Corrosion Resistant</li> <li>Fast Drying</li> <li>Grease &amp; Oil Resistant</li> <li>Excellent Adhesion</li> <li>Abrasion Resistant</li> <li>Lead Free</li> <li>Easy To Apply</li> </ul>	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p><b>INTERIOR/EXTERIOR</b></p> <ul style="list-style-type: none"> <li>Iron</li> <li>Structural Steel</li> <li>Piping &amp; Pipelines</li> <li>Machinery</li> <li>Farm Equipment</li> <li>Metal Doors &amp; Railings</li> <li>Storage Tanks</li> <li>Trash Dumpsters</li> <li>Tanker Cars</li> <li>Ferrous Metal</li> <li>Appliances</li> <li>Cabinets</li> </ul> <p><b>FOR USE ON METAL SURFACES ONLY!</b> Great For Interior &amp; Exterior Use!</p>	<p><b>Product Quality:</b> Industrial / Professional</p> <p><b>Product Use:</b> Interior &amp; Exterior</p> <p><b>Application:</b> Brush, Roller &amp; Spray</p> <p><b>Product System:</b> Solvent-Based</p> <p><b>Sheen:</b> Flat</p> <p><b>VOC Compliance:</b> AIM, LADCO/OTC Phase I, CARB 2000, CANADA</p>

**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.

**LIMITATIONS:** Not for use on galvanized, or zinc coated metal surfaces. Not for use with 2-part epoxy or 2-part urethane topcoats. Not for exposure to strong chemical environments. Not for use as the sole Primer/Finish coating on exterior exposure of Structural Steel.

- PREVIOUSLY PAINTED METAL SURFACES:** The entire surface area should be clean, as stated above. Remove any loose, scaling, cracked or peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing or by power tool cleaning methods, such as electric sanders or grinders, etc. Sand rough paint edges smooth to adjacent surface area. Sand glossy surfaces to dull existing finish. Spot prime bare surface areas with same primer material and allow to thoroughly dry before applying finish coatings.
- NEW OR BARE METAL SURFACES: Ferrous Metals – Iron & Steel:** Remove all surface contaminants, oil, and grease in accordance with SSPC-SP1. Remove any loose rust, mill scale, rust deposits, or white rust from metal surface in accordance with SSPC-SP 2 – Hand Tool Cleaning specifications, or by power tool cleaning methods, such as electric sanders or grinders according to SSPC-SP 3 – Power Tool Cleaning specifications, as set forth by the Society for Protective Coatings. Previously painted surfaces, whereby the existing paint show signs of serious deterioration should be completely removed in accordance with SSPC-SP 6 – Commercial Blast Cleaning, or SSPC-SP 10 – Near White Blast Cleaning specifications.
- MILDEW:** 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.

**TECHNICAL DATA**

- COLORS:** Gray
- TINTING:** Not Recommended
- VEHICLE TYPE:** Alkyd
- VISCOSITY:** 83 KU ± 2
- GLOSS @ 60°:** Flat | 1 - 5 Units
- FLASH POINT:** >100° F
- COATING VOC:** Not to Exceed 350 g/l – 2.92 lbs./gal.
- SOLIDS BY VOLUME:** 58.3% ± 2%
- SOLIDS BY WEIGHT:** 77.0% ± 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: 2.7 mils
- DRY TIME:** *(@ 70° F & 50% Relative Humidity)*  
To Touch: 30 min. | Recoat: 6 - 8 hrs. or overnight.  
*(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)*
- DRIES BY:** Oxidation / Solvent Evaporation
- CLEAN UP:** Mineral Spirits
- THINNING:** Mineral Spirits
- WEIGHT/GAL:** 12.6 lbs.
- SHELF LIFE:** 1 - 2 years unopened
- PACKAGING:** Gal. – 4/cs. | 5 Gal. – Ea. | 55 Gal. – Ea.

## RECOMMENDED FINISH COATINGS

The following Richard's topcoats are recommended for use with this primer, and are not limited to the products listed below:

### SATIN FINISHES

- 1240 Series, EXCEL DTM Acrylic Waterborne Satin Enamel
- 1840 Series, THOR Ultra Premium WB Acrylic Satin Enamel

### SEMI-GLOSS FINISHES

- 1250 Series, EXCEL DTM Acrylic Waterborne Semi-Gloss Enamel
- 1850 Series, THOR Ultra Premium WB Acrylic Semi-Gloss Enamel

### GLOSS FINISHES

- 1000 Series, Rust Shield Polyurethane Industrial Gloss Enamel
- 1200 Series, EXCEL DTM Acrylic Waterborne Gloss Enamel

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using quality natural bristle brush.
- **Roller Application:** Apply using a 3/8" - 1 1/4" 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 1500 – 2000 PSI
  - **Tip:** 0.017 - 0.019 Reversible
  - **Hose:** 1/4 inch (6.3 mm) - 3/8 inch (10 mm)

## PRODUCT LIMITATIONS

- Not for use on galvanized or zinc coated metal surfaces.
- Not for use under 2-part epoxies or 2-part urethanes topcoats.
- 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 spatters immediately with **Mineral Spirits**, 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. However, if thinning is required, you may add **Mineral Spirits**. Consult local and state VOC regulations.

## PRODUCT APPLICATION – General

Richard's Rust Shield Shop Coat 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.
- 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 application to smaller surface areas, such as stripe coating corners, edges, and welds.
- **Roller Application:** When applying by roller cover, use a quality smooth or medium nap roller, and apply an even and generous coat, avoiding 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 air temperature is within 5° 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: COMBUSTIBLE!** Keep away from heat, sparks, and open flames. **ENSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Where ventilation is inadequate, use a suitable respirator. Turn off the main gas valve until after coating has dried, then have pilot lights re-lighted by a responsible person. Avoid prolonged contact with skin and breathing of vapors and/or spray mists. When spraying this material, use an **OSHA** approved cartridge respirator. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

**FIRST AID:** In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes and get medical attention immediately. 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!**

**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).

## 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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