



PRODUCT DESCRIPTION



Richard's Rust Shield Industrial Coatings Universal 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. Suitable for use as a non-lifting barrier primer over aged alkyd coatings. 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 and it meets Federal Specification TT-P-6664C.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> Rust Preventative Superior Coverage Excellent Adhesion Corrosion Resistant Moisture Resistant Chemical Resistant Excellent Product Versatility Easy To Apply 	<p><i>Suitable for, but not limited to the following properly prepared surfaces:</i></p> <p>INTERIOR/EXTERIOR</p> <ul style="list-style-type: none"> Structural Steel Steel Tanks Galvanized Steel Stainless Steel Equipment Iron Galvanized Iron Aluminum Machinery Etc. <p>Great For Interior & Exterior Use!</p>	<p>Product Quality: Industrial Professional</p> <p>Product Use: Interior / Exterior</p> <p>Application: Brush, Roller, Spray</p> <p>Product System: Solvent-Based</p> <p>Sheen: Flat</p> <p>MPI Standards: No</p> <p>VOC Compliance: EPA AIM, LADCO, OTC I, CARB 2000, Canada</p>

SURFACE PREPARATION

GENERAL: The entire surface area to be painted should be clean, dry, sound free from dirt, grease, oils, waxes, mildew, loose rust, mill scale, rust deposits and any other surface contaminants that may adversely affect the performance of this coating, and in accordance with the Steel Structures Painting Council's specifications pertaining to the proper surface preparation of metal surfaces.

PREVIOUSLY PAINTED SURFACES: Thoroughly clean the entire surface area according to SSPC-SP 1 – Solvent Cleaning specifications. Completely remove any loose rust, mill scale and rust deposits by hand scraping, sanding, and wire brushing according to 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. 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.

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: 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.

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.

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.

TECHNICAL DATA

- COLORS:** Off White
 - TINTING:** Not recommended
 - VEHICLE TYPE:** Phenolic Alkyd
 - VISCOSITY:** 74 KU \pm 2
 - GLOSS @ 60°:** Flat | 0 - 5 units
 - FLASH POINT:** 107° F
 - COATING VOC:** Not to Exceed 400 g/l – 3.34 lb./gal
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- SOLIDS BY VOLUME:** 44.20% \pm 2%
 - SOLIDS BY WEIGHT:** 63.87% \pm 2%
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- 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: 2.0 mils
 - DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 30 min. - 1 hr.
Recoat: 6 - 8 hrs. - Conventional Coatings
16 - 24 hrs. – Solvent Epoxy or Urethane
(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:** 11.07 lbs.
 - SHELF LIFE:** 1 - 2 years unopened.
 - PACKAGING:** 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;

• SATIN FINISHES

- 1240 Series, EXCEL DTM Acrylic Waterborne Satin Enamel
- 1840 Series, THOR Ultra Premium WB Acrylic Satin Enamel
- 2440 Series, Viper Aliphatic Acrylic Urethane Satin

• 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
- 1500 Series, Rust Shield QD Alkyd Gloss Enamel
- 2200 Series, Python Polyamide Epoxy Gloss
- 2400 Series, Viper Aliphatic Acrylic Urethane Gloss

APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality natural china bristle brush.
- **Roller Application:** Apply using a ¾" - 1¼" 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:** 0.013 – 0.017 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 spatters 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!**

PRODUCT APPLICATION – General

Richard's Rust Shield Universal 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 respraying or reworking.
- **Spray Application:** When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.013 – 0.017 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!

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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