



PRODUCT DESCRIPTION



Richard's Rust Shield Industrial Alkyd Aluminum Coating is a quality resin based aluminum protective coating designed to meet the strictest durability requirements of the industrial maintenance market. Its special formulation exhibits a brilliant silver aluminum finish for superior reflectivity. It provides superior weather resistance on substrates that have a specific need for application of an aluminum coating. Its ease of application spreads easily and has excellent leveling properties. It provides superior durability, moisture resistance, excellent coverage, excellent adhesion, and its rust inhibitive properties serve to protect a variety of metal surfaces. Its bright aluminum finish also reflects the sun's UV rays, and meets MPI Standard #1 of the Master Painters Institute's approved products list.



MEETS MPI STANDARD #1 OF THE MASTER PAINTERS INSTITUTE'S APPROVED PRODUCTS LIST.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> Bright Aluminum Finish Rust Inhibitive Excellent Durability Excellent Weather Resistant Outstanding Reflectivity Superior Moisture Resistance Easy To Apply 	<p><i>Suitable for, but not limited to the following properly prepared surfaces;</i></p> <p>INTERIOR/EXTERIOR – Metal Surfaces</p> <ul style="list-style-type: none"> Doors Tanks Roofs Appliances Chain Link Fence Machinery Tractors Silos Ferrous Metal Non-Ferrous Metal <p>Great For Interior & Exterior Use!</p>	<p>Product Quality: Professional / Industrial</p> <p>Product Use: Interior & Exterior</p> <p>Application: Brush, Roller & Spray Application</p> <p>Product System: Solvent-Based</p> <p>Sheen: Gloss</p> <p>MPI Standards: MPI #1</p> <p>VOC Compliance: AIM, LADCO/OTC Phase I & II, CARB</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.

- PREVIOUSLY PAINTED METAL SURFACES:** The entire surface area should be clean, as stated above. Sand rough paint edges smooth to adjacent surface area. Sand glossy surfaces. Spot prime bare surface areas with recommended primer material 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 all patching materials to dry thoroughly before application of paint coatings. Sand all rough paint edges smooth to adjacent surface area. Sand all glossy surfaces to dull existing finish. Spot prime all bare or new surfaces areas with same primer material and allow to thoroughly dry before applying finish coatings.
- FERROUS METALS – 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.
- GALVANIZED & Non-Ferrous Metal:** It is recommended to allow surface to weather for a minimum of six (6) months then solvent clean per SSPC-SP 1. If weathering is not possible, solvent clean per SSPC-SP 1, and apply a test patch of the recommended primer to ensure good adhesion before proceeding with the project.
- ALUMINUM:** Remove oils, grease, dirt, oxide and any other surface contaminants as per SSPC-SP 1 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:** Bright Aluminum
- TINTING:** Not Recommended
- VEHICLE TYPE:** Soya Alkyd
- VISCOSITY:** 80 - 90 KU's
- GLOSS @ 60°:** Semi-Gloss | 35–70 units/MPI Gloss Level 5
- FLASH POINT:** 104° F | 40° C
- COATING VOC:** Not to Exceed 400 g/l – 3.40 lbs./gal
(Meets AIM, LADCO/OTC Phase I & II, & CARB Standards)
- SOLIDS BY VOLUME:** 49.00% ± 2%
- SOLIDS BY WEIGHT:** 64.00% ± 2%
- ESTIMATED COVERAGE:** 400 – 450 SFPG
(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)
- RECOMMENDED MIL FILM:** *(Estimated @ 400 SFPG)*
Wet: 4.0 mils **Dry:** 2.0 mils
- DRY TIME:** *(@ 70° F & 50% Relative Humidity)*
To Touch: 2 - 4 hrs.
Recoat: 6 - 8 hrs./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:** Not Recommended
- WEIGHT/GAL:** 9.20 lbs.
- SHELF LIFE:** 2 - 3 years unopened
- PACKAGING:** Qts. – N/A | Gal. – 4/cs. | 5 Gal. - Each

RECOMMENDED PRIMER COATINGS

Although formulated to be self-priming on sound and properly prepared painted surfaces, the following Richard's primers are recommended for use on new or bare substrates;

- **Ferrous Metal:**
 - 1018, Rust Shield Rust Inhibitive White Metal Primer
 - 1121, Industrial Coatings Universal Primer - Gray
 - 1131, Industrial Coatings Universal Primer - Gray
- **Galvanized or Zinc Coated Metal:**
 - 1215, EXCEL 100% Acrylic DTM Metal Primer - Gray
 - 1220, EXCEL 100% Acrylic DTM Metal Primer - White
 - 1230, EXCEL Waterborne Bonding Primer

APPLICATION EQUIPMENT

- **Brush Application:** Apply using quality nylon, polyester or combination nylon/polyester, or a quality natural china bristle brush.
- **Roller Application:** Apply using smooth to medium nap synthetic or lamb's wool roller cover, depending on texture or surface porosity.
- **Spray Application:**
 - **Pump:** Gas or Electric Airless Sprayer
 - **Pressure:** Minimum 2000 PSI
 - **Tip:** 0.015 – 0.017 Reversible
 - **Hose:** ¼ inch (6.3 mm) - ¾ inch (10 mm)

PRODUCT LIMITATIONS

- For use on metal surfaces only.
- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.
- Not for use in immersion service.

HEAT RESISTANCE

- Withstands high temperature service conditions up to 350° F (continuous) and 450° F (intermittent).

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. **Do Not Thin!**

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.

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 Industrial Alkyd Aluminum Coating may be easily applied with a quality brush, roller, or spray equipment as follows;

- **NOTE:** DO NOT SHAKE THIS PRODUCT IN A MECHANICAL PAINT SHAKER, AS IT MAY CAUSE GASSING OF THE PRODUCT AND BUILD UP EXCESSIVE PRESSURE IN THE CONTAINER! SHAKEN PRODUCT MAY DRY TO A DULL, NON-UNIFORM, MOTTLED APPEARANCE.
- 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 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 lamb's wool roller, depending on surface porosity, and apply liberally in a crosshatch pattern overlapping strokes or passes making sure that enough material is applied to ensure maximum penetration and surface protection.
- **Spray Application:** When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.015 – 0.017 fluid spray tip.
- Rough or textured surfaces coated using spray equipment should be back-rolled to ensure a uniform film, even coverage and proper adhesion.
- 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. **INSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Where ventilation is inadequate, use a suitable respirator. Turn off 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!