



PRODUCT DATA SHEET

PROD. #1020

RUST SHIELD INDUSTRIAL

POLYURETHANE FLAT BLACK ENAMEL



PRODUCT DESCRIPTION

Richard's Rust Shield Industrial Polyurethane Flat Black Enamel is a premium quality rust preventative coating, specially formulated for professional use. It provides excellent durability and performance in industrial, architectural and commercial applications. It provides superior coverage, good flow and leveling properties, resistance to moisture and chemical cleanings, and is easy to apply. Its smooth flat finish is not only durable, but also resists abrasion, blistering, chipping and peeling. It offers excellent adhesion, and is suitable for application to a variety of interior and exterior properly prepared metal surfaces. For Interior & Exterior Use.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> Polyurethane Formula Excellent Durability Superior Coverage Good Leveling Properties Moisture Resistant Abrasion 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"> Doors Trim Appliances Piping Tools Equipment Machinery Furniture Ferrous Metal Non-Ferrous Metal Aluminum Galvanized Metal <p>NOTE: For Use On Metal Surfaces Only! Great For Interior & Exterior Use!</p>	<p>Product Quality: Industrial / Professional</p> <p>Product Use: Interior & Exterior</p> <p>Application: Brush, Roller & Spray Application</p> <p>Product System: Solvent-Based</p> <p>Sheen: Flat</p> <p>VOC Compliance: No</p> <p>MPI Standards: No</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.
- NEW FERROUS METALS – IRON & STEEL:** Remove all surface contaminants, oil and grease in accordance with SSPC-SP1. Remove any 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.
- NEW 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 recommended primer.
- NEW 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.
- 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.

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:** Black
- TINTING:** Not Recommended
- VEHICLE TYPE:** Alkyd Urethane
- VISCOSITY:** 92 KU ± 2
- GLOSS @ 60°:** Flat / 0 – 5 units
- FLASH POINT:** 107° F
- COATING VOC:** Not to Exceed 525 g/l – 4.41 lb/gal
- SOLIDS:**
 - By Volume: 39.59%
 - By Weight: 57.18%
- 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: 1.8 mils
- DRY TIME:** *(@ 70° F & 50% Relative Humidity)*
 - To Touch: 2 – 4 hrs. | Recoat: 6 – 8 hrs.
 - (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:** 9.91 lbs.
- SHELF LIFE:** 2 - 3 yrs. unopened.
- PACKAGING:**

Quarts:	6 / Case	Gallons:	4 / Case
2 Gallons:	N/A	5 Gallons:	N/A

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 or Non-Ferrous:**
 - 1015, Rust Shield Red Oxide Rust Inhibitive Metal Primer
 - 1018, Rust Shield Rust Inhibitive White Metal Primer
 - 1120, Industrial Coatings White Universal Primer
 - 2215 / 2220, Industrial Epoxy Gray / White Primers
- **Galvanized or Zinc Coated Metal:**
 - 26, Holzout II 100% Acrylic Universal Primer/Sealer
 - 1017, Rust Shield Zinc Chromate Metal Primer
 - 1215 / 1220 Rust Shield II Acrylic DTM Gray / White Metal Primers
- **Previously Painted Surfaces:**
 - Self-Priming

APPLICATION EQUIPMENT

- **Brush Application:** Apply using quality nylon, polyester or combination nylon/polyester, or a quality natural china bristle brush.
- **Roller Application:** Apply using a smooth to 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 1500 – 2000 PSI
 - **Tip:** 0.013 – 0.015 Reversible
 - **Hose:** ¼ inch (6.3 mm) - ⅜ inch (10 mm)

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!**

PRODUCT APPLICATION – General

Richard's Rust Shield Industrial Polyurethane Flat Black Enamel 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.
- For best results, it is recommended to apply two (2) finish coats.
- Always paint to a natural break in the surface, such as a corner or edge.
- **Brush Applications:** When applying by brush, use a quality nylon or polyester bristle brush, or a quality combination of both, or 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 0.013 – 0.015 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.

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.

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!

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.