



PRODUCT DATA SHEET
PROD. #1120
INDUSTRIAL COATINGS UNIVERSAL PRIMER



PRODUCT DESCRIPTION

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. 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	VOC COMPLIANCE										
<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 the following properly prepared surfaces;</i></p> <p>INTERIOR / EXTERIOR</p> <table border="0"> <tr> <td>Structural Steel</td> <td>Iron</td> </tr> <tr> <td>Steel Tanks</td> <td>Galvanized Iron</td> </tr> <tr> <td>Galvanized Steel</td> <td>Aluminum</td> </tr> <tr> <td>Stainless Steel</td> <td>Machinery</td> </tr> <tr> <td>Equipment</td> <td>Etc.</td> </tr> </table> <p>NOTE: This Coating Material Is Specifically Formulated For Application To Bare Metal Substrates Only.</p>	Structural Steel	Iron	Steel Tanks	Galvanized Iron	Galvanized Steel	Aluminum	Stainless Steel	Machinery	Equipment	Etc.	<p>Product Quality: Industrial</p> <p>Product Use: Interior / Exterior</p> <p>Application: Brush, Roller Cover, Airless Spray</p> <p>Product System: Solvent-Based</p> <p>Finish: Flat</p>	<p>AIM No</p> <p>OTC No</p> <p>CARB No</p> <p>SCAQMD No</p> <p>MPI # No</p> <p>LEED® 09CI No</p> <p>LEED® 09NC No</p> <p>LEED® 09CS No</p> <p>LEED® H No</p>
Structural Steel	Iron												
Steel Tanks	Galvanized Iron												
Galvanized Steel	Aluminum												
Stainless Steel	Machinery												
Equipment	Etc.												

SURFACE PREPARATION

General: The entire surface area to be painted should be clean, dry, sound free from dirt, grease, oils, waxes, mildew, existing paint, 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.

- Thoroughly clean the entire surface area according to SSPC-SP 1 – Solvent Cleaning specifications.
- Completely remove any existing paint, as well as 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.
- Repair/replace any damaged, delaminated and surface imperfections with the proper patching compounds or building materials, and sand all glossy surfaces to effectively existing sheen.

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.

PRODUCT ANALYSIS DATA

PIGMENT: 43.58%

VEHICLE: 56.42%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** Off White
- TINTING:** Not Recommended
- VEHICLE TYPE:** Phenolic Alkyd
- VISCOSITY:** 74 KU ± 2
- GLOSS @ 60°:** Flat / 0 – 5 units
- FLASH POINT:** 107° F
- VOC:** Not to Exceed 500 g/l – 4.20 lb/gal
- SOLIDS:** By Volume: 45.76% ± 2%
By Weight: 64.21% ± 2%
- COVERAGE:** 300 – 400 Sq. Ft. / Gal.
(Depending on Application & Surface Porosity.)
- MIL FILM:** Estimated @ 350 Sq. Ft. / Gal.
Wet: 4.6 mils **Dry:** 2.1 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 30 min. – 1 Hour
Recoat: 6 – 8 Hours, or after overnight for conventional coatings; 16 – 24 Hours for more industrial type coatings.
- CLEAN UP:** Xylene
- THINNING:** Xylene

RECOMMENDED FINISH COATINGS

The following Richard's products are recommended finish coatings for this primer coating material. However, recommended Richard's finish coatings 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
- **SEMI-GLOSS FINISHES**
 - 680 Series, Rich Shield 100% Acrylic Semi-Gloss Enamel
 - 750 Series, Signature Series 100% Acrylic Semi-Gloss Enamel
 - 1250 Series, Rust Shield II 100% Acrylic Industrial DTM Semi-Gloss 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
 - 2200 Series, Industrial Coatings Polyamide Gloss Epoxy
 - 2400 Series, Industrial Coatings Acrylic/Aliphatic Polyurethane

APPLICATION EQUIPMENT

- **Brush Application:** Apply using a nylon, polyester or combination nylon/polyester, or a 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 1500 – 2000 PSI
 - **Tip:** 0.013" – 0.017" Reversible
 - **Hose:** ¼ inch (6.3 mm) - ⅝ inch (10 mm)

PACKAGING & WEIGHT PER GALLON

- **Packaging:** Quarts – N/A Gallons – 4/case
2 Gallons – N/A 5 Gallons – N/A
- **Weight Per Gallon:** 11.00 lbs.

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. However, if thinning is required, you may add **Xylene**.

WARRANTY & LIMITATIONS

The technical information contained herein is accurate to the best of our knowledge. All warranties are excluded, whether expressed or implied, by operation of law or otherwise, including all implied warranties of merchantability or fitness for a particular purpose. Seller shall not be liable, directly or indirectly, under any circumstances for consequential, incidental, special or any other type of damages arising or resulting for any reason under the sale, handling, or use of goods sold. Seller's liability hereunder, and buyer's exclusive remedy hereunder, is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. Notice of any alleged failure or defect in the material must be given to the seller in writing by certified U.S. mail within 15 days of noticing the problem. Failure to give the required notice within the time provided constitutes a waiver of any claim. The Manufacturer is not responsible for any misrepresentation made by the Dealer.

REV 07-13

PRODUCT APPLICATION – General

Industrial Coatings Universal Primer may be easily applied with a quality brush, roller cover, or airless 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.
- For best results, apply using a brush or roller to effectively work primer into surface pores.
- When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- When applying by roller cover, apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking.
- 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.
- During spray application, it is recommended to back-roll the surface area to ensure proper adhesion, an even coat application, and to work primer coating into surface pores.
- 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.
- 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: 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!