



PRODUCT DATA SHEET

PROD. #1100 PART A & B

INDUSTRIAL COATINGS METAL WASH PRIMER



PRODUCT DESCRIPTION

Industrial Metal Wash Primer is a two (2) component pretreatment primer coating specifically designed for application to properly prepared ferrous and non-ferrous metal surfaces. This two component metal pretreatment is formulated to react chemically with the metal substrate, thus providing excellent adhesion qualities, regardless of the type of finish coating to be applied. It also provides superior adhesion qualities for special coating systems that normally do not have adequate wetting properties. It conforms to Federal Military Specification MIL-P-15328, SSPC Paint 27, US Navy Formula 117, and it is "Certified" to meet MPI Standard #80 of the Master Painters Institute's approved products list.



MEETS MPI STANDARD #80 OF THE MASTER PAINTERS INSTITUTE'S APPROVED PRODUCTS LIST.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES	VOC COMPLIANCE																														
<ul style="list-style-type: none"> Two Component Formula Etches Metal Surface Provides Superior Adhesion Excellent For Ferrous Metal Excellent For Non-Ferrous Metal Suitable For Latex & Oil-Based Finishes Meets MPI Standards 	<p>Suitable for the following properly prepared surfaces; INTERIOR / EXTERIOR</p> <table> <tr> <td>Stainless Steel</td> <td>Iron</td> </tr> <tr> <td>Galvanized Steel</td> <td>Tin</td> </tr> <tr> <td>Galvanized Iron</td> <td>Tin Plate</td> </tr> <tr> <td>Aluminum</td> <td>Chromium</td> </tr> <tr> <td>Steel</td> <td>Cadmium</td> </tr> <tr> <td>Zinc</td> <td></td> </tr> </table> <p>For Both Interior & Exterior Metal Surfaces!</p>	Stainless Steel	Iron	Galvanized Steel	Tin	Galvanized Iron	Tin Plate	Aluminum	Chromium	Steel	Cadmium	Zinc		<p>Product Quality: Professional Product Use: Interior / Exterior Application: Brush, Airless Spray Product System: Solvent-Based Finish: Flat</p>	<table> <tr> <td>AIM</td> <td>No</td> </tr> <tr> <td>OTC</td> <td>No</td> </tr> <tr> <td>CARB</td> <td>No</td> </tr> <tr> <td>SCAQMD</td> <td>No</td> </tr> <tr> <td>MPI #</td> <td>80</td> </tr> <tr> <td>LEED® 09CI</td> <td>No</td> </tr> <tr> <td>LEED® 09NC</td> <td>No</td> </tr> <tr> <td>LEED® 09CS</td> <td>No</td> </tr> <tr> <td>LEED® H</td> <td>No</td> </tr> </table>	AIM	No	OTC	No	CARB	No	SCAQMD	No	MPI #	80	LEED® 09CI	No	LEED® 09NC	No	LEED® 09CS	No	LEED® H	No
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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.
- Tightly adherent existing paint coatings should be sandblasted to remove existing coating in accordance with SSPC-SP 6 – Commercial Blast Cleaning or SSPC-SP 10 – Near White Metal Blast Cleaning specifications.

NOTE: This Coating Material Is Specifically Formulated For Application To Bare Metal Substrates Only. Any Existing Paint Must Be Completely Removed By The Above Listed Methods Or By Use Of Solvent Paint Strippers.

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: 10.22%

VEHICLE: 89.77%

MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON REQUEST.

TECHNICAL DATA

- COLORS:** Green
- TINTING:** DO NOT TINT!
- VEHICLE TYPE:** Alcohol
- VISCOSITY:** 30 Sec. / #2 Zahn Cup
- GLOSS @ 60°:** Flat / 0 – 5 units
- FLASH POINT:** 95°F
- VOC:** Not to Exceed 750 g/l – 6.30 lb/gal
- SOLIDS:** By Volume: 10.12% ± 2%
By Weight: 19.70% ± 2%
- COVERAGE:** 400 – 500 Sq. Ft. / Gal.
(Depending on Application & Surface Porosity.)
- MIL FILM:** Estimated @ 500 Sq. Ft. / Gal.
Wet: 3.2 mils **Dry:** 0.2 mils
- DRY TIME:** (@ 70° F & 50% Relative Humidity)
To Touch: 5 – 10 Minutes
Recoat: 1 Hour, must be recoated within 24 hours.
- CLEAN UP:** Denatured Alcohol
- THINNING:** Denatured Alcohol

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

APPLICATION EQUIPMENT

- **Brush Application:** Apply using a nylon, polyester or combination nylon/polyester, or a quality natural china bristle brush.
- **Roller Application:** Not Recommended.
- **Spray Application:**
 - **Pump:** Gas or Electric Airless Sprayer
 - **Pressure:** Minimum 1500 – 2000 PSI
 - **Tip:** 0.011" – 0.015" Reversible
 - **Hose:** ¼ inch (6.3 mm) - ¾ inch (10 mm)

PACKAGING & WEIGHT PER GALLON

- **Packaging:**

Quarts – 1per Kit	Gallons – 1 per Kit
2 Gallons – N/A	5 Gallons – N/A
- **Weight Per Gallon:** 7.40 lbs.

MIXING, CLEAN UP & THINNING INSTRUCTIONS

Mixing: This is a two (2) component 5 quart kit, or 4:1 mixing ratio coating material that must be properly mixed together before application. Stir #1100 Part A component thoroughly in a spiral up and down motion so that the pigment is broken up and dispersed evenly. In a separate container, pour the 1100 Part A component then thoroughly stir in the Part B component and mixing the two components thoroughly.

Clean Up: Clean up any minor spills and spatters immediately with **Denatured Alcohol**, 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 **Denatured Alcohol**.

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, for negligence or any other reason, 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 Metal Wash Primer may be easily applied with a quality brush or airless spray equipment as follows;

- Stir thoroughly and mix part A & B components thoroughly as stated in the mixing instructions.
- When applying by brush, apply a thin and continuous translucent coat in such a manner as to yield a 0.2 dry film thickness – (DFT).
- When applying by airless spray equipment use a unit with a minimum of 1500 - 2000 psi of pressure, with a 0.011" – 0.015" fluid spray tip.
- If applying by conventional spray, set atomization pressure to approximately 40 psi, fluid pressure at approximately 8 psi, and a cap/tip size of 704FF.
- Maintain a wet edge during application by brushing 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.
- **POT LIFE:** Once both Part A & B components have been properly mixed together, pot life of this material is approximately 6 – 8 hours @75° F.

PRODUCT LIMITATIONS

- For use on metal substrates 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.

PRECAUTIONARY & SAFETY INFORMATION

CAUTIONS: WARNING! FLAMMABLE LIQUID AND VAPOR! CONTAINS ISOPROPYL ALCOHOL! CAUSES EYE IRRITATION! Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, throat and skin irritation. Harmful if swallowed. 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!** Do not breathe dust, vapors or spray mists. 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. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling, and before eat or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

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 may be harmful or fatal.

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean contaminated shoes. If you experience difficulty in 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.

KEEP OUT OF REACH OF CHILDREN!