



## PRODUCT TECHNICAL DATA INFORMATION

PRODUCT NO.: 1100 Part A & B

METAL WASH PRIMER

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### PRODUCT DESCRIPTION

**Richard's 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. Conforms to Federal Military Specification MIL-P-15328, SSPC Paint 27 & US Navy Formula 117. **Contains No Lead Pigments!**

**FOR INTERIOR & EXTERIOR USE!**

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### SUGGESTED PRODUCT USES

*SUITABLE FOR APPLICATION TO THE FOLLOWING PROPERLY PREPARED SUBSTRATES:*

STAINLESS STEEL \* GALVANIZED STEEL \* GALVANIZED IRON \* STEEL \* IRON \* TIN \* CHROMIUM  
TIN PLATE \* ZINC \* ALUMINUM \* CADMIUM

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### PRODUCT FEATURES

CHEMICALLY REACTS WITH SURFACE \* PROVIDES SUPERIOR ADHESION QUALITIES  
EXCELLENT FOR MOST FERROUS METALS \* EXCELLENT FOR MOST NON-FERROUS METALS  
MAY BE TOP COATED WITH BOTH LATEX & OIL PAINT COATINGS  
CONFORMS TO BOTH FEDERAL & MILITARY SPECIFICATIONS \* CONTAINS NO LEAD PIGMENTS

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### PRODUCT SPECIFICATION DATA

* COLORS:	Green
* FINISH:	Flat
* FLASH POINT:	60 Deg. F.
* METHOD USED:	T.C.C.
* MPI #80	Approved
* COATING V.O.C.:	Not To Exceed 6.50 LB/GAL. - (780 GRAMS/LTR.)
* SOLIDS:	By Volume: 7.57% ± 2% By Weight: 14.68% ± 2%
* RECOMMENDED MIL FILM:	Wet: 3.2 mils - (Estimated at 500 Square Feet Per Gallon). Dry: 0.2 mils - (Estimated at 500 Square Feet Per Gallon).
* ESTIMATED COVERAGE:	Covers approximately 400 - 500 square feet per gallon at, depending on type of application and surface irregularities.
* CLEAN UP:	#1100TH Thinner
* THINNER:	#1100TH Thinner
* ESTIMATED DRY TIME:	Dries to touch in approximately 5-10 minutes, for recoat in 1 hour, must be top coated within 24 hours.

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### PRODUCT ANALYSIS DATA

PIGMENT: 7.62%

VEHICLE: 92.38%

*MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON FORMAL REQUEST.*

**SURFACE PREPARATION**

The entire surface area to be painted should be clean, dry, sound and free from all dirt, dust, grease, oils, waxes, mildew, mil scale, rust and any existing paint coatings. All methods of cleaning should be conducted in accordance with the following "Steel Structures Paint Council" specifications on surface preparation:

- A). SSPC-SP 1 - Solvent Cleaning
- B). SSPC-SP 11 - Power Tool Cleaning To Bare Metal
- C). SSPC-SP 5 - White Metal Blasting Cleaning
- D). SSPC-SP 6 - Commercial Blast Cleaning

Should any form of commercial sandblasting not be practical, the entire surface should be hand scraped, wire brushed, and/or power tool cleaned so to reveal a clean, bare metal surface.

**PRODUCT APPLICATION**

**Richard's Industrial Metal Wash Primer** may be easily applied with a quality brush, or airless spray equipment. For best results, it is recommended to apply by spray application, due to the low viscosity of this product and the fast dry qualities and to insure a smooth coat application. When applying by airless spray, it is recommended to use a unit with a minimum of 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. When applying by brush, apply a thin, continuous translucent coat in such a manner as to yield a 0.2 mil dry film thickness - (DFT). **DO NOT APPLY AS AN OPAQUE FINISH TYPE PRIMER COATING!**

**PRECAUTIONS**

**DANGER: FLAMMABLE! KEEP OUT OF REACH OF CHILDREN! CONTAINS ISOPROPYL ALCOHOL! HARMFUL OR FATAL IF SWALLOWED! VAPORS ARE HARMFUL! SKIN & EYE IRRITANT!** Keep away from heat, sparks and open flames. **INSURE PROPER CROSS-VENTILATION UNTIL COATING HAS DRIED!** Turn off main gas valve until after coating has dried, then have pilot lights relighted by a responsible person. Where ventilation is inadequate, use a suitable respirator. 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. If you start experiencing dizziness, headaches, or eye watering, increase fresh air supply or leave the area immediately. 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 soap and water. In case of eye contact, flush with plenty of water for 15 minutes and **Seek Immediate Medical Attention!** If affected by inhalation, move immediately to fresh air. If swallowed, **Do Not Induce Vomiting, Seek Immediate Medical Attention!**

**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.

**MIXING INSTRUCTIONS & PACKAGING**

This is a two (2) component, 4:1 ratio that must be properly mixed together before application. Thoroughly stir #1100 part A component so that pigment is properly broken up and dispersed evenly in the gallon. In a separate container, mix both part A and part B components thoroughly.

- \* Pint Cans: N/A
- \* Two Gallon Cans: N/A
- \* Quart Cans: 1 Per Kit
- \* Five Gallon Cans: N/A
- \* One Gallon Cans: 1 Per Kit
- \* Weight Per Gallon: 7.43 lbs.

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