

Interior/Exterior Acrylic Metal Primer

Architectural Coating - Premium Plus

Description

Metal Pro Primer is a premium plus, low VOC, fast drying, waterborne, acrylic coating for interior and exterior use. This product offers excellent adhesion to metal surfaces particularly galvanized metal; hence protecting the metal surface from oxidation. This product can be top coated with a variety of products, but for the best protection of metal surfaces top coat Metal Pro with Protec Alkyd Emulsion Enamels (9700 Satin, 9800 Semi-Gloss or 9900 Gloss).

Recommended Uses

Metal Pro is recommended for non-ferrous metal (not containing iron) and galvanized metals. For best corrosion resistance on ferrous metals use 9600 Protec Metal Prime.

Colors

White (4800), Black (4805), Red Oxide (4810) and custom colors.

Packaging

One and five gallon containers and 55 gallon drums

Finish

Flat angular sheen @ 85° = 8.0%

Surface Preparation

New Surfaces: remove all loose dirt, oil, grease, wax or other contaminants from the surface.

Passivation coatings applied to galvanized metal must be removed prior to priming. Newly galvanized substrates should be tested for chromates. Refer to SSPC SP-16 for proper testing and surface preparation.

Previously Coated Surfaces: remove all loose paint, grease, dirt or other contaminants before application of primer.

Application

Brush or spray. Mix thoroughly. Apply only when air and surface temperatures are between 55°F - 100°F, and the relative humidity is no greater than 80%.

Caution: Extreme high or low humidity may have an effect on both dry time and finishes.

Drying Time

Tack Free:	30 - 60 minutes
Handling:	1.0 - 1.5 hours
Recoat:	1.5 - 2.0 hours
Moisture Resistance:	12 hours

Drying Schedule: Dry times are based on 70° F @ 80% relative humidity. Dry times will be extended at increased humidity above 80° F and temperatures below 50° F.

Coverage

Up to 430 square feet per gallon at 1.5 mils, depending on porosity and texture of the surface.

Suggested Mil Thickness

Wet:	4 - 7 mils per coat
Dry:	1.2 - 2.5 mils per coat

Thinning

If thinning is required per specific applications, thin only with clean water sparingly.

Clean Up

Flush spray lines immediately with water. Wash tools promptly with clean soap and water.

Next Page

DISCLAIMER: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance and offered in good faith. All technical information is subject to change without prior notice. This product is guaranteed to give satisfactory performance if applied and used in accordance with the label instructions. Any liability shall be limited to a refund of the purchase price, or replacement of this product. This warranty does not include labor or cost of labor for the application of any coating. All express and all implied warranties are hereby disclaimed and excluded including all implied warranties of fitness for a particular use and merchantability. Final determination of the suitability of product or intended use is the sole responsibility of the user. Additional information may be obtained from your local sales representative.

Revised 08.16

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Continued

Recommended Finish Coat

Protec Alkyd Emulsion Enamels (9700 Satin, 9800 Semi-Gloss or 9900 Gloss). Other topcoats may be suitable for use if maximum corrosion resistance is not required.

Product Mixing

Important! Agitate or stir before using product to allow for uniform consistencies of product.

Equipment

Conventional / airless spray equipment. Tip sizes may vary depending on type of equipment used and manufacturer specs. It is recommended a small test strip be sampled in an inconspicuous area for desired application requirements.

Conventional Spray:

Atomization Pressure	25-60 psi
Fluid Pressure	20-40 psi
Air Nozzle	66 SD
Fluid Nozzle	25 psi

Airless Spray

Pressures	2000 psi
Tips	0.13" – 0.19"
Hose	¼" ID
Filter	60 mesh

Brush / Roller Nylon, ¼" – ½" Nap

Composition

Titanium Dioxide	10.6%
Extenders	20.4%
TOTAL PIGMENT	31.0%

Acrylic Resin	19.3%
Additives / Solvents	9.0%
Water	40.7%
TOTAL VEHICLE	69.0%

Weights & Measurements +/-3.0%

Solids by Volume:	37.0%
Solids by Weight:	52.2%
VOC:	49 g/l
Weight Per Gal:	11.1 lbs.
Viscosity:	77 KU

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Testing

Adhesion (ASTM D 3359-97)	10
Prohesion (ASTM D 5894-96)	10
1000 Hours	
Humidity Resistance (ASTM D 4587-91)	10
500 Hours	

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings

LEED - complies with LEED 2009 and LEEDv4
-Low Emitting Materials

CDPH Section 01350 - tested and passed

MPI - #107, #134