



# Metalcoat Metal Primer

**PRODUCT NUMBER**  
**CONTAINER SIZE**  
 80220 Qt/80190 Gal  
 80320 5g pail

**WATER BASED/OVERAGE:** One gallon of covers approximately 350 square feet.

**DESCRIPTION:** Safecoat® MetalCoat Metal Primer is a thermoplastic acrylic emulsion primer fortified with rust inhibiting pigments. Designed for use on non-ferrous metal, iron, steel, aluminum, galvanized and masonry. It is not recommended for copper. Provides a tough, flexible film, producing outstanding corrosion resistance and excellent adhesion. May be used on interior or exterior, including marine atmospheres. Very low odor and low VOC, it is one of the least toxic metal primers available, formulated without the heavy metals and other hazardous ingredients commonly used.

**USE ON:** Interior and exterior metal surfaces such as steel, galvanized iron and aluminum. May be left as a finish in a three primer coat application. May be recoated with a variety of other finishes, and is an excellent foundation for Safecoat paints, today's premium not toxic coating.

**SURFACE PREPARATION:** All surfaces must be clean, dry, free from grease, dirt, rust, mill scale and any other foreign matter. Surfaces must be very clean for this product to be effective. New galvanized should be cleaned with an acetic acid or phosphoric acid wash and rinsed. Rust and mill scale must be removed with power steel brushing or sandblasting. All other foreign matter must be cleaned with a solvent wash and dried thoroughly before painting. Dull glossy surfaces and remove dust.

**APPLICATION:** May be applied with a roller, nylon brush or airless sprayer. Spray coats are recommended above all other application methods. Use an airless sprayer with a .015 - .017 tip. Apply full coats for maximum corrosion resistance. A minimum of 1.5 mil thickness (dry film thickness) is needed for protection. This product may be tinted if required, with all purpose tinting colorants, but do not exceed two fluid ounces per gallon. Do not apply when air or surface temperature is below 55 degrees F or on damp, foggy days.

**CLEAN-UP:** Clean tools and equipment while they are still wet with a solution of SafeChoice Super Clean and warm water.

**DRYING/CURING TIME:** Under normal conditions, MetalCoat Metal Primer dries to touch in 30 minutes and is re-coatable

after four hours. Normal conditions include a dry surface, access to fresh air flow, moderate humidity, and temperatures

above 55 degrees F. **Thick application, high humidity or conditions other than normal will cause the product to dry**

**and cure more slowly.**

## ADVANTAGES / SIGNIFICANT BENEFITS:

- Unique molecular structure promotes mechanical adhesion.
- Contains no formaldehyde or aromatic hydrocarbons.
- Fights indoor air pollution.

**LIMITATIONS:** Unlike conventional primers, MetalCoat Metal Primer is made without formaldehyde preservatives. Do not contaminate. Do not use when ambient or surface temperature is below 55 degrees F. Do not freeze.

**HEALTH PRECAUTIONS:** As with all cleaning products, keep container tightly closed and out of the reach of children. Do not ingest. If swallowed, drink two (2) glasses of water to dilute. In case of eye contact, flush immediately with plenty of water for 15 minutes.

## PHYSICAL DATA

|                                      |  |
|--------------------------------------|--|
| Physical Description:                | Viscous liquid, low odor, mildly alkaline, white |
| % Volatile by Volume:                | 56.21%   |
| Solubility in Water (Air Pollutants) | Dilutable  |
| % Volatile by Weight:                | 41.27%   |
| VOC Material:                        | 0.81 lb./gal                                     |
| VOC Material less H <sub>2</sub> O:  | 93 g/l, 0.77 lb./gal                             |

**If you are chemically sensitive, always test for personal tolerance.**

**LIMITED LIABILITY:** Liability, whether express or implied, is limited solely to replacement of product shown to be defective when applied in accordance with instructions and shall under no circumstances include liability for labor costs or consequential damages. It is the user's responsibility to determine the suitability and safety of the product for its intended use. This limited warranty may not be modified or extended by manufacturer's representatives, distributors, or dealers of AFM products. We particularly recommend that users always test in small inconspicuous areas before application to the entire surface.

**American Formulating and Manufacturing** 3251 Third Ave., San Diego, CA 92103 T: 619.239.0321  
 Available exclusively through AFM approved retailers worldwide

**AFM**  
**safecoat**  
 Building A Healthier World