

#### DESCRIPTION

UNIVERSAL METAL PRIMER is a fast-drying, high performance, rust-inhibitive, phenolated alkyd undercoat that exhibits excellent adhesion and penetration. It is designed to meet sign, industrial and automotive application needs. A unique primer, this material may be top-coated with virtually any paint system including Ronan Bulletin Enamels and Quick Dry Background Enamels as well as two-component urethanes, epoxies, lacquers, acrylic enamels and synthetic enamels.

#### RECOMMENDED USES

Prime over a variety of surfaces including aluminum, steel, galvanized steel, wood and concrete.

#### SURFACE PREPARATION

All surfaces must be clean, free from loose or peeling paint, grease, oil, dirt, rust, mill scale and other contaminants. If this procedure is not observed, the drying and adhesion of any coating will be adversely affected.

**Previously Painted Surfaces:** Dull gloss areas by light sanding to enhance adhesion.

**Metal Surfaces:** Remove loose rust and scale with a wire brush, steel wool and/or sandpaper. All oil, grease and contamination must be removed. Acidic or alkaline surfaces should be neutralized. Two coats of UNIVERSAL METAL PRIMER may be necessary to lock in rust completely.

**Galvanized Metal and Aluminum:** Surface should be wiped with a prep solvent/surface cleaner to remove oil and grease. A mild solution of phosphoric acid should be used for etching to assure a good bond. If acids are not available slight surface sanding will be beneficial.

**Concrete:** A white powdery deposit (efflorescence), often found on concrete and masonry surfaces should be completely removed with a stiff wire brush. New concrete should set four (4) to six (6) weeks before coating. All concrete surfaces should be etched with a solution of four (4) parts water to one (1) part muriatic acid. Let solution soak on surface for 15 minutes before rinsing with clean water. Allow 48 hours to dry before painting.

**MDO Plywood:** Clean surface to eliminate oil, grease and other contaminants. Prime face. Do not sand primer between coats. All edges should be puttied and then primed with two coats before topcoating.

**Masonite:** Clean surface to eliminate oil, grease and other contaminants.

**Other Substrates:** To test adhesion and suitability, apply UNIVERSAL METAL PRIMER to a small sample section, let dry fully for eight (8) hours. Apply tape to the coated area, then remove tape. If coating does not lift, then it is suitable as a primer for that particular substrate.

#### APPLICATION

Follow surface preparation instructions. Stir thoroughly before use. May be applied by brush, roller or spray.

**Brush:** With any good quality bristle brush.

**Roller:** Use a 1/4" to 1/2" nap sleeve for smooth surfaces. Use 1/2" to 3/4" nap sleeve for rough/irregular surfaces. Keep roller wet. Roll in one direction, rewet, then cross roll.

**Spray:** This product can be applied with airless spray, conventional air and HVLP spray systems. Consult spray gun manufacturer's guide for recommended fluid tip size and air pressure.

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## UNIVERSAL METAL PRIMER

<b>THINNING</b>	Thinning is not necessary under normal conditions but may be helpful if applying by brush. Thin with Xylene. Apply at full strength for maximum efficiency.
<b>CLEAN UP</b>	All spatters should be removed immediately with Mineral Spirits. Equipment should be cleaned immediately after use to prevent damage.
<b>DRY TIMES</b>	At 70°F and 50% relative humidity, UNIVERSAL METAL PRIMER will be dry to touch in thirty (30) minutes. Wait two (2) hours to handle and six (6) hours to recoat. Dry times may take longer in cooler and/or more humid conditions.
<b>APPLICATION CONDITIONS</b>	Minimum temperature: 560°F Maximum temperature: 95°F Maximum humidity: 90%
<b>WEIGHT PER GALLON</b>	Varies by color. 10.4 - 10.7 lbs (approximate)
<b>THEORETICAL COVERAGE</b>	Approximately 400 square feet per gallon (2 mils dry)
<b>PACKAGING</b>	US Gallon (128 fl oz), 4/case
<b>STORAGE TEMPERATURE</b>	Minimum: 40°F Maximum: 95°F
<b>SHELF LIFE</b>	Two (2) years
<b>VOC INFO</b>	VOC varies by color but will not exceed 503 grams per liter (4.2 lbs/gallon).
<b>CAUTIONS</b>	Read Safety Data Sheet and/or all warnings on the label before handling or using this product.
<b>PRODUCT WARRANTY</b>	All recommendations for the use of Ronan products are based on tests and experience believed to be reliable. It is the responsibility of the purchaser to determine the suitability of this product for its intended use. Since the methods of use, conditions of application and the application itself are beyond the manufacturer's and seller's control, product warranty is restricted to replacement of defective materials only. No other warranty, written or oral, is expressed or implied.
<b>REVISION DATE</b>	April 5, 2019