



**UNDERLOK ACRYLIC  
METAL PRIMER  
06449**

**PRODUCT DATA**

**GENERIC TYPE:** Waterbased Acrylic

**DESCRIPTION:** Underlok Acrylic Metal Primer is an interior/exterior self-cross-linking water-reducible, rust-inhibitive primer for steel, iron, and non-ferrous metal. It provides excellent adhesion to a range of hard-to-coat surfaces. Designed for light-to-moderate industrial exposure. This product can be top coated with a wide variety of coatings.

**Features:**

- Rust inhibitive, corrosion resistant
- Suitable for occupied areas
- Can be recoated in 4 hours
- Suitable for use in USDA inspected Facilities

**RECOMMENDED USES:** Carbon Steel, Iron, Aluminum, Galvanized, Other Non-Ferrous Metals, Concrete, and Drywall. Underlok Acrylic Rust Inhibitive Metal Primer is designed for use in general metal finishing/fabrication, food/beverage processing, chemical processing, industrial maintenance, and other segments where rust inhibitive water cleanup primer is necessary.

**COMPATIBLE COATINGS:** May be top coated with a variety latex and alkyd/oil paints. Compatibility sample tests are recommended when top coating with aromatic solvent systems such as epoxy/urethane coatings.

**NOT RECOMMENDED:**

- Not Recommended for Immersion Service.
- Not for use on Floors
- Not for use on Kynar unless tested and approved by user.

**PHYSICAL CHARACTERISTICS**

**Color:** White  
**Vehicle Type:** Waterbased Acrylic  
**VOC/VOS:** < 50 g/L.  
**Volume Solids (Avg.)** 35.9 ± 2%  
**Weight Solids (Avg.):** 45.6 ± 2%  
**Viscosity:** 85-90 KU  
**Suggested Film Thickness:**  
 5.0-7.5 mils wet, 2.5-4.0 mils dry.  
**Coverage per Gallon at Recommended Film Thickness:** 175-250 Square Feet per Gallon.  
**Gloss/Sheen:** 5-10 Units @ 60°  
**Drying Time @77°F & 50% R.H.:**  
**To Touch:** 1 hour  
**Recoat:** 4 hours. Allow additional drying time during humid or cooler weather.  
**Min. Surface/Air Temperature at Application:** 50°F  
**Max. Surface/Air Temperature at Application:** 90°F  
**Flash Point:** 200 °F or Greater  
**Heat Resistance:** 150°F Intermittent  
**Application:** Brush, Roller, or Spray  
**Clean Up:** Warm, Soapy Water  
**Packaging:** Gallon, Five Gallon Container  
**Weight per Gallon:** 11.2 lbs./gal. ± 2%  
**Shelf Life:** 36 Months

GREEN WISE <sup>CM</sup>	LEED	SCAQMD	OTC
NO	YES	NO	YES

## SURFACE PREPARATION

The surface should be clean and dry. Clean surfaces thoroughly to remove all rust, dirt, grease, oil, any other foreign matter by appropriate methods. Clean any remaining residue using rags wet with VOC compliant mineral spirits or appropriate oil and grease emulsifier.

**Ferrous Metal:** In order for primer to protect, it is essential for that primer to be able to reach clean bare metal. Best results are secured by sandblasting to at least a Commercial Blast as specified under SSPC-SP6, NACE No. 3. Due to the wetting ability of this primer, good results can also be expected over good hand or power tool cleaning.

**Galvanized Steel & Aluminum Metals:** Clean bare metal using VOC compliant mineral spirits or appropriate oil and grease emulsifier.

**Previously Painted Surfaces:** All areas failing by rusting, blistering, etc. should be cleaned back to bare metal by appropriate methods and spot primed. If the surface shows more than 25% failure or poor adhesion, all old coatings should be removed by sandblasting to a Commercial Blast as specified under SSPC-CP6, NACE 3 and a full prime system applied.

## APPLICATION

Always stir well before use. Additives for ease of application or to promote adhesion are not recommended. Do not apply if material, substrate, or ambient temperature is below 50°F or above 110°F. Relative humidity should be below 90%. Apply by brush, roller, or spray. For best brush application results, use a quality synthetic filament brush. For roller application, use a 3/8" or 1/2" nap cover.

## APPLICATION EQUIPMENT

- Apply by brush, roller, or spray.
- Manufacturers listed below are a guide. Others may be used. Changes in pressure and tip size may be required to achieve proper application.

### **Airless Spray:**

Pump: Graco / Titan

High Pressure Filter: 60 Mesh

Fluid Hose: 1/4" x 50'

Tips: 0.013" - 0.015"

Minimum pressure to avoid fingering: 2000 psi

## CAUTIONS --- Lead Hazard: 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 a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

## CAUTIONS:

**USE ONLY WITH ADEQUATE VENTILATION:** To avoid breathing vapor or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Close container after each use. Avoid contact with eyes and skin.

**FIRST AID:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

**CONTAINER LABELING COMPLIES WITH APPLICABLE STATE RIGHT-TO-KNOW ACTS.** For additional safety and health information, please refer to the Material Safety Data Sheet (MSDS).