



THE #1 CHOICE OF PAINTING PROFESSIONALS®

# ENDURAPRIME™

Interior /Exterior  
Acrylic Rust Preventative Metal Primer  
ENPR00



## DESCRIPTION

**ENDURAPRIME™ Rust Preventative Acrylic Metal Primer** is a high performance, interior/exterior, ultra-low VOC, single component, water-based acrylic primer. It offers excellent corrosion resistance and adhesion on ferrous metals. It is formulated to provide excellent early flash rust resistance for quicker return to service times.

## PRODUCT DATA

**SOLVENT TYPE:** Waterborne

**RESIN TYPE:** Acrylic

**COLORS:** Gray

**VISCOSITY@77°F/25°C** (ASTM D 562): 100–110 KU

**MAXIMUM VOC CONTENT:** 50 g/L

**MAXIMUM RAVOC** (Reactivity-Adjusted VOC): 30 g/L

**SOLIDS BY VOLUME** (ASTM D 2697): 40.0% ± 2%

**SOLIDS BY WEIGHT:** 53.0% ± 2%

**WEIGHT PER GALLON** (ASTM D 1475): 10.68 lbs.

### COMPOSITION BY WEIGHT

|                                |                              |
|--------------------------------|------------------------------|
| <b>Pigment–29.6%</b>           | <b>Vehicle–70.4%</b>         |
| *Prime pigments ..... 14.1     | Resins..... 18.9             |
| Reinforcing pigments..... 15.5 | Water & additives ..... 51.5 |

*\*Prime pigments include titanium dioxide (TiO<sub>2</sub>), plus all other pigments directly adding to the hiding power of this paint.*

### RECOMMENDED FILM THICKNESS PER COAT

Wet: 5 mils                      Dry: 2 mils

### PRACTICAL COVERAGE PER COAT AT RECOMMENDED DRY FILM THICKNESS

Approximately 250-300 sq. ft. per gallon, depending on surface conditions and application techniques.

**THINNING RECOMMENDATION:** This coating is intended to be applied without thinning or diluting under normal application conditions. If necessary to maintain good workability, add up to 1/8 pint (2 fl. oz.) of clean water per gallon of coating.

### AVERAGE DRY TIME@77°F/25°C

 (ASTM D 1640)

To touch: 30–60 minutes      Recoat: 1–2 hours  
Dry times and recoat times are temperature, humidity and film thickness dependent.

**PACKAGING:** One-gallon

**STORAGE:** Store in a dry area. Protect from freezing. Protect from temperatures above 110°F for extended periods of time. Extreme temperatures may cause paint to become unusable. See *Paint Storage Best Practices* Technical Bulletin at [dunnedwards.com](http://dunnedwards.com) for more information.

**CLEANUP:** Warm, soapy water

**DISPOSAL:** For information on local options to dispose of unwanted leftover paint, call Dunn-Edwards Customer Service at 1-888-DEPAINT or visit [www.dunnedwards.com](http://www.dunnedwards.com). Do not mix with other products.

**SAFETY DATA SHEET:** Available at [dunnedwards.com](http://dunnedwards.com)

## APPLICATION

**TEMPERATURE:** 50°F minimum, 90°F maximum (air, surface and material). Surface temperature must be at least 5°F above dew point.

**RELATIVE HUMIDITY:** 90% maximum

| AIRLESS SPRAY                     | BRUSH           | ROLLER   |
|-----------------------------------|-----------------|----------|
| <b>PRESSURE:</b><br>2000-2500 psi | Polyester/Nylon | 3/8" nap |
| <b>TIP:</b> 0.13-0.15             |                 |          |

## CONFORMS TO

ARB 2007 SCM & CALGreen 2016; LEED 2009 IEQ Credit 4.2; Submitted for MPI Category #107; FDA Guidelines for Resinous & Polymeric Coatings

## ASTM TEST METHODS

### ADHESION (Aluminum & CRS)

**METHOD:** ASTM-D3359

**RESULT:** Excellent (5B)

### CORROSION (504 hours)

**METHOD:** ASTM-G-85 annex 5

**RESULT:** Pass (7)

### PENDULUM HARDNESS

**METHOD:** ASTM-4366

**RESULT:** >20 counts

### IMPACT RESISTANCE (Direct)

**METHOD:** ASTM-D2794

**RESULT:** 80in-#

## SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. Glossy surfaces should be dulled to provide a roughened surface for good adhesion.

### FERROUS METALS (Iron & Steel)

Remove all oil and grease from surfaces per SSPC-SP1. Minimum surface preparation is Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primers are recommended for maximum performance.

### PREVIOUSLY PAINTED SURFACES

If substrates are in sound condition, clean the surface of all contaminants. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

## SPECIAL INSTRUCTIONS

- **CAUTION!** Scraping or sanding surfaces of older buildings (especially pre-1978) may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Wear a NIOSH-approved N95 particulate filter mask to avoid breathing dust. Use a HEPA vacuum for cleanup, and finish by water-washing all surfaces. For more information, see Dunn-Edwards brochure on "Surface Preparation Safety" or call U.S. EPA's lead hotline at 1-800-424-LEAD, or visit [www.epa.gov/lead](http://www.epa.gov/lead) or / asbestos, or contact your state or local Health Agency.
- This product can neither cause nor prevent or cure the growth of mold, mildew, or other forms of fungus. Excessive moisture and inadequate ventilation are the main conditions that promote their growth. Correct any such conditions before painting.
- Do not apply at air or surface temperatures below 50°F.

## PRIMERS

### METAL

- Ferrous: **BLOC-RUST® Premium (BRPR00)** or **ENDURAPRIME™ Metal Primer (ENPR00)**
- Non-ferrous: **ULTRASHIELD® Galvanized Metal Primer (ULGM00)** or **BLOC-RUST® Premium (BRPR00)**
- Galvanized steel: **ULTRASHIELD® Galvanized Metal Primer (ULGM00)** or **\*ULTRA-GRIP® Premium (UGPR00)**

*\*for incidental use on galvanized*

**HEALTH & SAFETY: CAUTIONS!** INHALATION OF SPRAY MIST OR SANDING DUST MAY BE HARMFUL. Use only with adequate ventilation. Avoid breathing vapors, spray mist and sanding dust. Wear NIOSH-approved N95 particulate filter mask when spraying or sanding. Avoid contact with skin and eyes. Do not ingest. Close container after each use. **FIRST AID:** If swallowed, immediately give 1 or 2 glasses of water to drink – for emergency information, call 1-800-222-1222. If having difficulty breathing, move to fresh air. For eye contact, immediately flush with water for 15 minutes. For skin contact, wash thoroughly with soap and water.

#### • KEEP OUT OF REACH OF CHILDREN •

Ingredient (CAS #): Water (7732-18-5); Copolymer Resin (Proprietary); Titanium Dioxide (13463- 67-7); Nepheline Syenite (37244-96-5); Talc, Non-Asbestos (14807-96-6).

 **WARNING:** Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)