



## Rust Inhibitive Metal Primer

### S4556 – Red Oxide

Rust Inhibitive Metal Primer is a heavy duty, high quality, alkyd primer for priming structural steel, miscellaneous fabricated metal parts, and other ferrous metal substrates. The high volume solids produce increased coverage rates. One 2.5 mil thick coat will protect a steel substrate for up to 6 months prior to topcoating or enclosing the structure.

- Rust inhibitive
- Single component
- Superior corrosion protection for capital structures
- Can be used as a weld-through

### Recommended Uses

Use this product on properly prepared surfaces of steel, iron, aluminum, galvanized metal, and previously painted surfaces.

### Recommended Systems

#### Steel, Iron, Aluminum, Galvanized Metal

1 coat Rust Inhibitive Metal Primer  
2 coats Pratt & Lambert® Acrylic Waterborne DTM  
or Pratt & Lambert® Industrial Alkyd Enamel HS

#### Previously Painted Surfaces

1 coat Rust Inhibitive Metal Primer  
2 coats Pratt & Lambert® Acrylic Waterborne DTM  
or Pratt & Lambert® Industrial Alkyd Enamel HS

### Technical Data

<b>Vehicle:</b>	Alkyd
<b>Finish:</b>	Flat
<b>Color:</b>	Red Oxide
<b>Flash Point:</b>	102°F, PMCC
<b>Volume Solids:</b>	56 ± 2%
<b>Weight Solids:</b>	78 ± 2%
<b>Weight/Gallon:</b>	12.6 lb/gal
<b>VOC (less exempt solvents):</b>	VOC: 338 g/L – 2.82 lb/gal as per 40 CFR 59.406
<b>Recommended Film Thickness:</b>	5.0 - 8.0 mils wet 3.0 - 5.0 mils dry
<b>Spread Rate:</b>	350-420 sq. ft. per gallon
<b>Shelf Life:</b>	12 months, unopened
<b>Application:</b>	Apply by airless spray, conventional spray, brush or roller
<b>Drying Time (@ 6 mils wet, 50% R.H.):</b>	77°F
<b>Note:</b>	Drying times are temperature, humidity and film thickness dependant.
<b>To Touch:</b>	15 min
<b>Tack Free:</b>	2 hrs
<b>To Recoat:</b>	12 hrs-48 hrs
<b>Reduction:</b>	Do not reduce
<b>Clean-up:</b>	Xylene
<b>Tinting:</b>	Do not tint
<b>Sizes:</b>	5 gallon, Drum

### FOR INDUSTRIAL USE ONLY

#### As of 4/29/13, complies with:

OTC	✓
ETC	✓
SCAQMD	
CARB	
LADCO	✓

# Product Data Sheet

## Surface Preparation

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be clean, dry & in sound condition. Remove all oil, dust, grease, dirt, loose rust and other foreign materials to ensure adequate adhesion. **Do not use hydrocarbon solvents for cleaning.**

**Iron & Steel:** Minimum surface preparation is Hand Tool Clean SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3. Primer recommended for best performance.

**Aluminum:** Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

**Galvanized Metal:** Surface should be exterior weathered for 6 months prior to painting. Remove all oil and grease per SSPC-SP1. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime cleaned area the same day.

**Previously Painted Surfaces:** If in sound condition, clean the surface of all foreign material. 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 maybe necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface.

## Rust Inhibitive Metal Primer S4556

### Application

**Temperature (air, surface and material):**

50°F minimum, 120°F maximum. At least 5°F above dew point

**Relative humidity:** 85% maximum

**Clean-up:** Xylene

**Airless Spray:**

Pressure..... 1800 -3000 psi  
Hose..... 1/4" ID  
Tip..... .015" – 0.19"  
Reduction..... Not recommended

**Conventional Spray:**

Gun..... Binks 95 (or similar)  
Fluid Nozzle..... 63C  
Air Nozzle..... 63 PB  
Atomization Pressure 45-55 psi  
Fluid Pressure..... 15-25 psi  
Reduction..... Not recommended

**Brush:**

Brush..... Natural bristle brush  
Reduction..... Not recommended

**Roller:**

Cover..... Not recommended  
Reduction..... Not recommended

### Physical Test Data

**System Tested:**

Substrate: Steel  
Surface Preparation: SSPC-SP10  
Finish: 1 coat Rust Inhibitive Metal Primer @ 2.5 mils

**Adhesion:**

Method: ASTM D3359 Result: Passes 5B

**Taber Abrasion:**

Method: ASTM D4060 Result: 30 mg loss

**Chemical Resistance:**

Method: 24 hour Spot Test  
Result:  
50% Sodium Hydroxide.....Very Good  
Motor Oil.....Very Good  
Water.....Very Good  
Ammonia.....Poor  
Acids.....Fair

**Salt Fog Resistance:**

Method: ASTM B117, 500 hours Result: Passes

### Clean Up

Clean spills, spatters and tools immediately with Xylene. Follow manufacturer's safety recommendations when using any solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Pratt & Lambert Paints. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Pratt & Lambert dealer or representative to obtain the most recent Product Data Sheet.