



PPG Architectural Coatings

GLYPTEX™ Rust Inhibitive Metal Primer

**GENERAL DESCRIPTION**

GLYPTEX Rust Inhibitive Metal Primer No. PP296 is a premium interior/exterior, corrosion inhibitive, Red oxide alkyd primer for steel, aluminum and other metals except galvanized (but can be used to prime rusted areas on galvanized). This primer is ideal for application under alkyd and latex finishes. It is also an excellent finish where additional protection and/or its red oxide color is desired such as barn roofs, piping, flashings, metal trim, etc.

**RECOMMENDED USES**

- Priming iron, steel, aluminum, copper, brass
- Corrosion protection
- Finish coat on suitable interior and exterior surfaces

**FEATURES / BENEFITS**

- Versatile Interior/exterior
- Barrier film & rust inhibitive Protects against corrosion
- Durable Can be used as a primer / finish

**RECOMMENDED SYSTEMS**

GLYPTEX Rust Inhibitive Metal Primer No. PP296, applied one coat (or two coats for severe service under emulsion latex finishes) functions as a metal primer under all architectural and industrial finishes that do not have strong solvents. Typical Finishes over GLYPTEX Rust Inhibitive Metal Primer No. PP296 are:

	EGGSHELL			
	FLAT	/SATIN	SEMI-GLOSS	GLOSS
<b>INTERIOR</b>				
<b>Latex</b>	PP689 PP939 PP6109	PP389 PP1119 PP2809	PP109 PP919 PP1139 PP6139	PP909 PP2909
<b>Alkyd</b>		PP129	PP149 PP439 PP9549S	PP4139 PP2549 PP9371 PP9549G
<b>WB Epoxy</b>				
<b>EXTERIOR</b>				
<b>Latex</b>	PP519 PP579 PP929	PP599 PP739 PP2809 PP3729	PP619 PP919 PP6029	PP909 PP2909
<b>Alkyd (Not recommended)</b>			PP533	PP2749 PP4139
<b>Epoxy</b>	(Epoxies are not recommended as exterior finishes. Contact a Porter service center or the Porter Technical Services Department for appropriate solventborne epoxy/polyurethane systems.)			

**TINTING AND BASE INFORMATION**

Do not tint.

PP296 Red Oxide

**PRODUCT DATA**

**Product Type:** Alkyd  
**Gloss:** Low Semi-Gloss  
**Percent Solids:**  
**Weight:** 72 ± 2%  
**Volume:** 52 ± 2%  
**VOC:**  
**As supplied:** 3.2 lb/gal (384 g/l)  
**When thinned to maximum\*:** 3.74 lb/gal (448 g/l)  
 \*Maximum thinning allowed for 450 g/l AIM limitation. Do not exceed local regulations.  
**Weight/Gallon:** 11.3 lb.  
**Viscosity (Initial):** 73 - 81 Krebs Units  
**Thinner:**  
**Brush/Roller:** Thin sparingly as necessary with Porter Paint Thinner No. 5132. Do not exceed 9 ounces per gallon (½ pint = 8 ounces).  
**Spray:** Thin up to 9 ounces per gallon with Porter Paint Thinner No. 5132.  
 (NOTE: With this amount of thinner, this product will meet the 450 g/l VOC limit for Architectural and Industrial Maintenance products. Local regulations may permit additional thinning.)  
**Clean-up:** Porter Paint Thinner No. 5132.  
**Recommended Film Thickness:**  
**Wet:** 3.8 mils  
**Dry:** 2.0 mils  
**Spread Rate (Theoretical):** Up to 420 sq. ft./gal.  
**Dry time (70°F @ 50% R.H.):**  
**To Touch:** 4-6 hours  
**To Recoat:** 12-24 hours  
 (Expect longer dry times at lower temperatures and higher relative humidity).  
**Flash Point:** 105 °F (40 °C)  
**Flame Spread Rating:** Class A (0-25)  
 (See Porter Technical Bulletin No. 9: Flame Spread Rating.)  
**Federal Specification Crossovers:** TT-C-530B; TT-P-86; TT-P-645  
 (See Porter Technical Bulletin No. 6: Federal Specification Performance Crossovers.)

**LIMITATIONS OF USE**

Do not apply when air or surface temperature is below 45°F (7°C) or above 110°F (43°C). Surface temperature must be at least 5°F above dew point. For optimum application properties, bring material to 70-100°F (21-37°C) temperature range prior to mixing or application. Use for service below 200°F. Avoid application or overspray of finishes with strong solvents.

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## GENERAL SURFACE PREPARATION

Paint only clean, dry, deglossed and profiled (blasted, scarified or chemical treated) surfaces. Remove dirt, oils, grease, wax, release agents, sanding dust, paint remover, etc. with PORTERPREP™ Heavy Duty Cleaner No. PP571, Dirtex and water, Porter Paint Thinner No. 5132 or other appropriate cleaners per SSPC-SP 1 cleaning procedures. Remove loose paint, mill scale, rust, etc. by Hand Tool Cleaning (SSPC-SP 2), Power Tool Cleaning (SSPC-SP 3) or Commercial Blast Cleaning (SSPC-SP 6). For mild service, treat rust with Metalprep® 79 (also clean other metals with Metalprep 79 prior to painting or as a pre-cleaner prior to other chemical treatment). Treat aluminum with Alumiprep® 33.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact 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 USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

## DIRECTIONS FOR USE

Stir thoroughly before using and occasionally during use. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

### Permissible temperatures during application:

**Temperature Range:** Air, surface, paint—45°F to 110°F.  
(Optimum paint temperature 65-80°F)

**Dew Point:** Surface temperature must be at least 5°F above the dew point.

**Relative Humidity:** Maximum 85%

**New Work:** Apply one or two coats of GLYPTEX Rust Inhibitive Metal Primer No. PP296 as required. Finish with one or more coats of the selected Porter finish.

**Repaint:** Spot prime bare areas with GLYPTEX Rust Inhibitive Metal Primer No. PP296, then apply one more coats of the selected Porter Finish.

## APPLICATION INFORMATION

**Application Equipment:** Apply with a high quality brush, roller, or by spray equipment.

**Airless Spray:** Minimum 1 gallon per minute pump; .015"-.021" tip; 1800-2400 psi

**Conventional Spray:** (Binks) 18 Gun; 66 Fluid Tip; 66 Air Cap; 20-50 Atomizing Pressure; 10-25 Fluid Pressure.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

**Brush:** Use nylon/polyester or china bristle brushes.

**Roller:** Use polyester or lambswool roller covers.

**Thinning:** If necessary for brush or roller, thin with a small amount (up to 9 ounces per gallon) of Porter Paint Thinner No. 5132. For spraying, thin up to 9 ounces of Porter Thinner No. 5132 per gallon. Note: 1/2 pint = 8 ounces.

**Clean-up:** Clean tools and spray equipment with Porter Paint Thinner No. 5132 immediately after use.

## SHIPPING

**Freight Classification:** PAINT OR PAINT RELATED MATERIAL  
**Packaging:** 6 quarts per carton; 4 gallons per carton; 5-gallon pail

**Shipping Weights:** 3.40 lb/qt (20.90 lb/carton); 12.90 lb/gal (52.60 lb/carton); 63.50 lb./5-gal

PPGAF believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.



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400 South 13th Street  
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[www.porterpaints.com](http://www.porterpaints.com)

Technical Services  
1-800-332-6270

Architect/Specifier:  
1-888-PPG-IDEA

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No. PP296  
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