



PORTER GUARD® Galvanized Metal Primer

290

PORTER GUARD Galvanized Metal Primer No. 290 is an excellent interior/exterior alkyd primer for galvanized (zinc plated) and non-galvanized steel, and other metals and concrete under latex paints and waterborne epoxies. It may also be used as a single coat primer/finish on dry interior steel, galvanized steel, aluminum and concrete ceilings, roof decks, bar joists, beams and metal HVAC systems.

USES	FEATURES
<ul style="list-style-type: none"> • Priming galvanized and non-galvanized steel and other metals, and concrete • Corrosion protection • Primer or one-coat system for metal ceilings and overheads 	<ul style="list-style-type: none"> • Versatile • Barrier film & rust inhibitive • Strong adhesion to galvanized metal • Lowers overall costs

RECOMMENDED SYSTEMS

PORTER GUARD Galvanized Metal Primer No. 290 is an excellent metal primer for use under emulsion latex and waterborne epoxy finishes. It also functions as a multipurpose primer (not recommended for wood except minor incidental) under those finishes. **Typical Finishes Over PORTER GUARD Galvanized Metal Primer No. 290 are:**

	FLAT	EGGSHELL /SATIN	SEMI-GLOSS	GLOSS
INTERIOR				
Latex	689, 999, 6099, 6109	389, 1119, 2809, 6079, 6129	109, 919, 1139, 6089, 6139	909, 2909, 6149
WB Epoxy	(Not Available)		9549S	9371, 9549G
EXTERIOR				
Latex	519, 579, 719, 929	599, 739, 2809, 3729	619, 919, 6029	909, 2909

NOTE: See Porter Paints finishes data sheets for additional recommended systems appropriate for various substrates.

LIMITATIONS

Contains Portland Cement-avoid contact with skin and eyes. Do not apply when air or surface temperature is below 35°F (2°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). Use for service below 200°F. **Alkyd finishes are not recommended.**

TECHNICAL DATA

Product Type:	Alkyd
Bases/Colors:	White
Sheen:	Flat
Percent Solids:	
Weight:	81 ± 2%
Volume:	62 ± 2%
PVC:	46 ± 2%
Weight/Gallon:	13.0 lb (Theoretical)
Viscosity (Initial):	80 - 85 Krebs Units
Thinner:	

Brush/Roller: If necessary, thin sparingly with Porter Paint Thinner No. 5132 up to 1 pint per gallon.

Spray: If necessary, thin up to 1 pint per gallon with Porter Paint Thinner No. 5132.

NOTE: With this amount of thinner, this product will meet the 350 g/l AIM VOC limit for primers and undercoaters. Local regulations may permit additional thinning.)

Clean-up: Porter Paint Thinner No. 5132.

Recommended Film Thickness:

	<u>Metal Primer</u>	<u>One-Coat Primer/Finish</u>
Wet:	3.4 mils	4.1 mils
Dry:	2.1 mils	2.5 mils

Spread Rate (Theoretical):

Up to 470 sq. ft./gal. Up to 390 sq. ft./gal.

Dry time (70°F @ 50% R.H.):

To Touch: 4-6 hours

To Recoat: 24 hours

(Expect longer dry times at lower temperatures and higher relative humidity.)

Flash Point: 107 °F(42 °C)

Flame Spread Rating: Class A (0-25)

(See Porter Technical Bulletin No. 9: Flame Spread Rating.)

Federal Specification Crossover: None

(See Porter Technical Bulletin No. 6: Federal Specification Performance Crossovers.)

NOTE: This product is not formulated with lead or mercury containing materials.

REGULATORY DATA

VOC (theoretical):

As supplied (untinted): 2.47 lb/gal (296 g/l)

When thinned to maximum: 2.92 lb/gal (350 g/l)

*Maximum thinning allowed for 350 g/l AIM limitation. Do not exceed local regulations.

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. 571 or Soilax 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). Treat galvanized surfaces with Galvaprep® 5. 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.

INSTRUCTIONS FOR USE

Tinting: Tint with Porter DESIGN SPECTRUM® Colorants up to 4 oz. per gallon. Compatible universal colorants may also be used.

Mixing: Stir or shake thoroughly before application.

Thinning: If necessary for brush or roller, thin with a small amount of Porter Thinner No. 5132. For spraying, thin up to 1 pint of Porter Paint Thinner No. 5132 per gallon.

Clean-up: Clean tools and spray equipment with No. 5132.

Application:

Conditions:	Temperature Range:	35°F to 110°F (air, surface, paint) (Optimum paint temperature 65-80°F)
	Dew Point:	Surface temperature must be at least 5°F above the dew point.
	Relative Humidity:	Maximum 85%
Equipment:	Brushes:	Use nylon/polyester or china bristle brushes.
	Rollers:	Use polyester or lambswool roller covers.
	Airless Spray:	Minimum 28:1 ratio pump; .015"-.019" tip; 1/4" ID Teflon hose; 1800-2400 psi.
	Conventional Spray:	(DeVilbiss) MBC-510 gun; E (.070) tip; 3/8" (1.0 cm) or 1/2" (1.3 cm) ID material hose—25 feet; 2 or 5 gallon double regulated, air agitator equipped pressure pot with oil and moisture separator.
Directions:	New Galvanized:	Apply a uniform prime coat at the millage specified for the application. Finish with one or more coats of the selected Porter finish.
	New Overheads (Decks and Ceilings):	Apply a uniform, high build primer/finish coat, or apply a uniform prime coat, then finish with one or two coats of the selected Porter finish.
	Repaint:	Spot prime bare areas with PORTER GUARD Galvanized Metal Primer No. 290, then apply one more coats of the selected Porter Finish.

PRECAUTIONS

Prior to using this product, the user is specifically directed to obtain and read the current Material Safety Data Sheet and Label for this product. If, after reading these documents, you do not understand them, do not use this product. KEEP OUT OF REACH OF CHILDREN.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 6 Quarts per carton; 4 Gallons per carton

Shipping Weights: 3.42 lb/qt (21.02 lb/carton); 14.2 lb/gal (57.8 lb/carton)



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