



PPG Architectural Coatings

PORTER GUARD® Alkyd Zinc Dust Coating

GENERAL DESCRIPTION **TINTING AND BASE INFORMATION**

PORTER GUARD Alkyd Zinc Dust Coating No. PP299 is a superior single-pack, interior/exterior, corrosion inhibitive, alkyd zinc dust/zinc oxide primer for properly prepared steel and galvanized metal surfaces. PORTER GUARD Alkyd Zinc Dust Coating No. PP299 may also be used as a single coat primer/finish. Provides galvanic protection to steel, and has excellent dry temperature resistance (to 350°F/177°C). May be topcoated with alkyd and latex finishes.

Do not tint.
PP299 Gray

RECOMMENDED USES

- Corrosion protection
- Priming carbon steel and galvanized metal
- Heat protection up to 350° (177°C)
- Self sacrificing paint film
- Weather protection

FEATURES / BENEFITS

- Barrier film & rust inhibitive Protects against corrosion
- Heat resistant Excellent for hot pipes, furnaces, flues
- Protects chain link fencing, roofing, etc. Versatile, can be used on many surfaces

RECOMMENDED SYSTEMS

PORTER GUARD Alkyd Zinc Dust Coating No. PP299, applied one coat to properly prepared steel surfaces, functions as a metal primer under all architectural and light industrial finishes that do not have strong solvents. Typical Finishes Over PORTER GUARD Alkyd Zinc Dust Coating No. PP299 are:

	FLAT	EGGSHELL /SATIN	SEMI-GLOSS	GLOSS
INTERIOR				
Latex	PP689 PP939 PP6109	PP389 PP111 PP2809	PP109 PP919 PP1139 PP6139	PP909 PP2909
Alkyd		PP129	PP149 PP439	PP4139 PP2549
WB Epoxy			PP9549S	PP9371 PP9549G
EXTERIOR				
Latex	PP519 PP579 PP929	PP599 PP739 PP2809 PP3729	PP619 PP919 PP6029	PP909 PP2909
Alkyd		(Not recommended)		PP2749 PP4139
Epoxy	(Epoxies are not recommended as exterior finishes. Contact a Porter service center or the Porter Technical Services Department for appropriate solventborne epoxy/polyurethane systems.)			

PRODUCT DATA

Product Type: Alkyd
Color: Gray
Sheen: Eggshell
Percent Solids:
Weight: 80 ± 2%
Volume: 48 ± 2%

VOC:
As supplied: 3.34 lb/gal (400 g/l)
When thinned to maximum*: 3.64 lb/gal (436 g/l)
 *Maximum thinning allowed for 450 g/l AIM limitation. Do not exceed local regulations

Weight/Gallon: 16.5 lb
Viscosity (Initial): 90 - 100 Krebs Units
Thinner:

- Brush/Roller:** If necessary, thin sparingly up to 3 ounces per gallon with Porter Thinner No. 5132.
- Spray:** If necessary, thin up to 3 ounces per gallon with Porter 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: 4.2 mils
Dry: 2.0 mils

Spread Rate (Theoretical): Up to 385 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: 105°F (40°C)

Flame Spread Rating: Class A (0-25)

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

Federal Specification Crossover: TT-P-641

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

LIMITATIONS OF USE

Do not apply when air or surface temperature is below 35°F or above 110°F. 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. Do not use under finishes with strong solvents such as Solventborne epoxies and polyurethanes. Use for service below 350°F.

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 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.

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. 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: 35°F to 100°F (air, surface, paint)
(Optimum paint temperature 70-100°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 as required for service exposure. Finish with one or more coats of selected Porter finish as necessary.

Repaint: Spot prime bare areas with PORTER GUARD Alkyd Zinc Dust Coating No. PP299, 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 .015"-.019" tip; 1800-2400 psi; ¼" (0.6 cm) ID High Pressure material hose.

Conventional Spray: (DeVilbiss) MBC-510 gun; E (0.070) Tip; 3/8" (1 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.

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 rollercovers.

Thinning: If necessary for brush or roller, thin with a small amount of Porter Thinner No. 5132 up to 3 ounces per gallon. For spraying, add 3 ounces of Porter Spraying Thinner No. 5131 per gallon to start. **Strain material before spraying.**

Clean-up: Clean tools and spray equipment with Porter Thinner No. 5132 immediately after use. It is good practice to flush out spray equipment periodically during the work day.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 4 Gallons per carton; 5-Gallon Pail

Shipping Weights: 17.30 lb/gal (70.20 lb/carton); 87.30 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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