



PPG Architectural Coatings

PORTER GUARD® Fast Dry Alkyd Enamel

GENERAL DESCRIPTION

PORTER GUARD Fast Dry Alkyd Enamel No. PP2749 series is a fast drying, interior/exterior, medium oil, general duty, gloss* alkyd finish designed for use in mild industrial and commercial environments. Use on properly prepared and primed steel, aluminum, wood, drywall and masonry surfaces such as piping, machinery and equipment, ductwork, structural steel, floors, walls, doors, etc. ***NOTE: Black Fast Dry Alkyd Enamel is available in gloss (No. PP2728), satin (No. PP2718), and flat (PP2708) sheens.**

RECOMMENDED USES

- Iron
- Steel
- Aluminum
- Dry wall
- Wood
- Galvanized metal
- Masonry

FEATURES / BENEFITS

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| • Fast drying | Saves time |
| • Excellent multi-purpose alkyd enamel | Interior/exterior |
| • Durable | Abrasion resistant |
| • Easy to apply | Brush, roll or spray |
| • High hiding | Saves money; requires less material |

RECOMMENDED SYSTEMS

PORTER GUARD Fast Dry Alkyd Enamel No. PP2749 series can be used over a wide variety of architectural and light industrial primers. Finish the following primed surfaces with one or two coats of PORTER GUARD Fast Dry Alkyd Enamel No. PP2749 series:

SUBSTRATE	TYPICAL PRIMER*
Aluminum:	PP272/PP276, PP286, self-prime
Galvanized Metal:	PP212/PP215, PP299
Iron:	PP212/PP215, PP286, PP299
Steel:	PP212/PP215, PP286, PP296, PP299
Drywall, Plaster:	PP135, PP867, PP1129
Repaint:	PP1129, PP515, PP898, self-prime
Wood, interior:	PP135, PP1129, PP6064
exterior:	PP335, PP515, PP565, PP74130
Interior Masonry (NOTE: Application of alkyd paints on exterior masonry, or on interior masonry where moisture is constantly present, is not recommended.)	
Brick:	PP867, PP1129
Concrete Block (CMU):	PP896, PP6223
Concrete:	PP867, PP1129
Fully Cured Concrete Floors:	Self-prime

*For "self-prime," thin the product to maximum allowable before application.

TINTING AND BASE INFORMATION

Tint with Porter DESIGN SPECTRUM® Colorants per label instructions. *NOTE: Colorant addition may extend the drying time, particularly at the higher addition levels.*

PP2710 White base	PP2708 Flat Black*
PP2749 Light base	PP2718 Satin** Black
PP2750 Deep base	PP2728 Gloss Black
PP2744 UD base	PP2754 Safety yellow
	PP2772 Safety red

PRODUCT DATA

Data below is based on White base.

Product Type:	Alkyd
Gloss, 60°:	Gloss (Typical range: 79-85) *Flat (No. 2708: Typical range: 0-3) **Satin (No. 2718: typical range: 34-40)
Reflectance:	90 ± 1%
Percent Solids:	
Weight:	64 ± 2%
Volume:	44 ± 2%
VOC (theoretical):	
As supplied (untinted):	3.63 lb/gal (435 g/l)
When thinned to maximum*:	3.76 lb/gal (450 g/l)

*Maximum thinning allowed for 450 g/l AIM limitation. Do not exceed local regulations.

Weight/Gallon:	10.0 lb
Viscosity (Initial):	72 - 77 Krebs Units
Thinner:	Thinning is not required under normal environmental and application conditions.

Brush/Roller: If necessary, thin with up to 2.6 ounces of Porter Paint Thinner No. 5132.

Spray: If necessary, thin with up to 2.6 ounces of Porter Spraying Thinner No. 5131.

(NOTE: With this amount of thinner, this product will meet the 450 g/l AIM VOC limit for industrial maintenance products. Local regulations may permit additional thinning.)

Clean-up: Porter Paint Thinner No. 5132.

Recommended Film Thickness:

Wet:	3.4 mils
Dry:	1.5 mils

Spread Rate (Theoretical): up to 470 sq. ft./gal.

Dry time (70°F @ 50% R.H.):

To Touch:	2-3 hours
To Recoat:	12 hours
Full Service:	7-14 days

(Drying times listed may vary depending on temperature, humidity, color, and air movement.)

Flash Point: 110°F (43°C)

Flame Spread Rating: Class A (0-25)

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

Federal Specification Crossover: TT-E-489; TT-E-505; TT-E-506

(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. For optimum application properties, bring material to 70-80°F (21-27°C). Surface temperature must be at least 5°F above dew point. Use for service below 200°F. Keep material in protected storage between 40 and 100°F prior to use.

GENERAL SURFACE PREPARATION

Paint only clean, dry, deglossed and profiled (blasted, scarified or chemical treated) surfaces. Remove dirt, oils, grease, wax, 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), Sweep Blast Cleaning (SSPC-SP 7) or Abrasive Blast Cleaning (SSPC-SP 6) as appropriate. Treat bare galvanized surfaces with Galvaprep® 5. For mild service, treat bare iron or steel and 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. For best performance, new plaster, concrete and masonry should cure 28 days, and moisture content should be below 12% before painting. NOTE: Test plaster for water absorption prior to painting (paint will not adhere if water does not wet out the surface and absorb into the plaster). If necessary, sand or acid etch with Metalprep 79 diluted 5 parts water to 1 Metalprep 79. Fill cracks and holes in wood, drywall, plaster and masonry with appropriate patching compounds or fillers, then sand level and smooth before painting. **Prime all bare substrates (See RECOMMENDED SYSTEMS) before finishing with PORTER GUARD Fast Dry Alkyd Enamel No. PP2749 series.**

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 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%

New Work: Apply the appropriate selected primer (see Recommended Systems) per label directions. Finish with one or more coats of PORTER GUARD Fast Dry Alkyd Enamel No. PP2749 series.

Repaint: Spot prime bare areas as necessary with an appropriate primer, then apply one or more coats of PORTER GUARD Fast Dry Alkyd Enamel No. PP2749 series.

Washing Instructions: Protect the finish from abuse and contamination until well cured, at least 14 days. Try to avoid washing the finish for 2-4 weeks. For large areas, wash with a soft sponge and a solution of Soilax or TSP. For marks, pencil, etc., clean with a damp sponge and powdered cleanser being careful not to scratch the surface. For grease and oils, clean with PORTERPREP Heavy Duty Cleaner No. PP571, Porter Thinner No. 5132 or mineral spirits.

APPLICATION INFORMATION

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

Airless Spray*: Minimum 1 gallon per minute pump; .013"-.015" tip; 1800-2400 psi; ¼" ID high pressure material hose.

Conventional Spray*: DeVilbiss MBC-510 gun; E tip; 704 Air Cap; 3/8" ID material hose; double regulated pressure tank with oil and moisture separator.

*NOTE: Do not allow material to remain in spray hoses during work stoppages. Release pressure from pressure tank and disconnect material hose. It is good practice to flush out hoses and equipment with thinner periodically during the work day.

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.

Brushes: Use nylon/polyester or china bristle brushes.

Rollers: Use polyester or lambswool roller covers.

Thinning: Material is supplied at spray viscosity and normally needs no thinning. If necessary for brush or roller application, thin sparingly up to 2.6 ounces (for maximum thinning allowed for the 450 g/l AIM limitation) per gallon with Porter Paint Thinner No. 5132. For spraying, thin up to 2.6 ounces per gallon of Porter Spraying Thinner No. 5131. Do not exceed local regulations which may vary from AIM guidelines.

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

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 4 gallons per carton; 5-gallon pail

Shipping Weights: 10.8 lb/gal (44.2 lb/carton); 53.8 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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