



PPG Architectural Coatings

GLYPTEX™ Urethane Gloss Enamel

GENERAL DESCRIPTION

GLYPTEX Urethane Gloss Enamel No. PP4139 is a superior, interior/exterior, urethane modified, high gloss alkyd enamel finish for application to properly prepared and primed wood, metal, plaster, concrete and wallboard. Use for wood or metal trim, doors, floors, interior walls, furniture, shelving, piping, machinery and equipment, structural steel, boats, toys or anywhere a high gloss enamel is indicated.

RECOMMENDED USES

- Iron
- Steel
- Aluminum
- Dry wall
- Plaster
- Wood
- Masonry

FEATURES / BENEFITS

- | | |
|----------------------|-------------------------------------|
| • High gloss | Porcelain - like finish |
| • Abrasion resistant | Resists wear and tear |
| • High hiding | Saves money; requires less material |
| • Easy to apply | Saves labor |
| • Non-yellowing | Color stays true |

RECOMMENDED SYSTEMS

GLYPTEX Urethane Gloss Enamel No. PP4139 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 Urethane Gloss Enamel No. PP4139 series:

SUBSTRATE	TYPICAL PRIMER
Aluminum:	6-204, 17-921
Galvanized Steel:	17-921, 90-712
Ferrous Metal:	90-712
Drywall:	PP335, PP867, PP1129, 6-2, 6-4
Plaster:	PP335, PP1129, 4-603, 17-921
Wood, interior:	PP335, PP1129, 17-921
Wood, exterior:	PP335, 17-921, 6-9, 6-809
Masonry**	
Brick:	PP335, PP1129, 4-603, 17-921
Concrete Block (CMU):	6-7, 6-15
Concrete:	PP335, 4-603, 17-921

****NOTE:** Application of alkyd paints on concrete and masonry where moisture is constantly present, is not recommended.

TINTING AND BASE INFORMATION

Refer to the appropriate color formula book, automatic tinting equipment and/or computer color matching system for color formulas and tinting instructions.

PP4110 White	PP4144 UD Base*
PP4139 Light Base*	PP4124 Black
PP4140 Deep Base*	

*Must be tinted before use.

Some colors, drastic color changes, or porous substrates may require more than one coat to achieve a uniform finish.

PRODUCT DATA

Data below is base on White Base.

Product Type:	Alkyd
Sheen, 60°:	High Gloss (Typical range 83-89)
VOC:	3.0 lb/gal (357 g/l)
	3.2 lb/gal (375) When thinned to maximum.
Reflectance:	89 ± 1%
Percent Solids:	
Weight:	71 ± 2%
Volume:	55 ± 2%
Weight/Gallon:	10.4 lb
Viscosity (Initial):	71 - 76 Krebs Units
Thinner:	Thinning is not required under normal environmental and application conditions.
Clean-up:	PPG Paint Thinner No. 5132.
Recommended Film Thickness:	
Wet:	3.2 mils
Dry:	1.4 mils
Spread Rate (Theoretical):	
Smooth Surfaces:	Up to 500 sq. ft./gal.
Dry time (70°F @ 50% R.H.):	
To Touch:	4 hours
To Recoat:	24 hours
Full Service:	7-14 days

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

Flash Point: >113°F (>45°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, TT-P-37, & TT-P-81

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

LIMITATIONS OF USE

Do not apply when air or surface temperature is below 50°F or above 110°F. Surface temperature must be at least 5°F above dew point. Expect slower drying in cool, humid weather and when thick films are applied. **Do not use PP4144 UD Base on floors.** For best results, allow new concrete floors to cure three months before painting. Do not apply to on-grade concrete floors that do not have a vapor barrier under them or wherever water will puddle and stand for extended periods of time. Use for service below 200°F.

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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, sanding dust, paint remover, etc. with PREP125 DURAPREP® WB Cleaner & Degreaser, Dirtex and water, PPG 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.

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.

For best performance, new plaster, concrete and masonry should cure 28 days minimum for walls and 3 months for new concrete floors. 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 the surface. 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 GLYPTEX Urethane Gloss Enamel No. PP4139 series.**

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:	50°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 GLYPTEX Urethane Gloss Enamel No. PP4139 series.

Repaint: Spot prime bare areas as necessary with an appropriate primer, then apply one or more coats of GLYPTEX Urethane Gloss Enamel No. PP4139 series.

Floors: Apply a prime coat of GLYPTEX Urethane Gloss Enamel No. PP4139 series thinned 6 ounces per gallon with PPG Paint Thinner No. 5132. Overcoat with one or more additional unthinned coats. **NOTE:** Add 1# powdered pumice per gallon to the finish coat to improve slip resistance.

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 Dirtex 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 PREP125 DURAPREP® WB Cleaner & Degreaser, or PPG Paint 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; 1/4" high pressure material hose.

Conventional Spray: DeVilbiss MBC-510 gun; E tip; 704 air cap; 3/8" (1.0 cm) ID material hose; double regulated pressure tank 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 roller covers.

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

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging: 6 Quarts; 4 Gallons per carton;

Shipping Weights: 2.9 lb/qt (17.8 lb/carton; 11.2 lb/gal (45.8 lb/carton)

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.