



HPC/Industrial Maintenance

PITTHANE® 35 Gloss Urethane Enamels

GENERAL DESCRIPTION

Pitthane® 35 Gloss Urethane Enamels are recommended as top-coats in coating systems where color and gloss retention are primary considerations. They also provide good chemical resistance and above average heat resistance. For Professional Use Only; Not Intended For Household Use.

RECOMMENDED USES

Aluminum	Galvanized Steel
Concrete	Steel

FEATURES AND BENEFITS

Fully 3.5 VOC compliant
 Virtually infinite color capability with PERFORMACOLOR® System
 Excellent chemical resistance
 Mar and abrasion resistance
 Spray, brush or roller application
 High gloss finish
 Excellent gloss and color retention
 Meets MPI category #72, Polyurthane Two-Component, Pigmented Gloss (MPI Gloss Level 6)

MIXING AND APPLICATIONS INFORMATION

Mix Component "A" thoroughly before blending. (If 97-722 Accelerator is used, add it to the "A" Component and mix well prior to the addition of the "B" Component). Add Component "B" to Component "A" and mix well. A mechanical mixer is recommended. Air or airless spray recommended.

Application Equipment: Changes in application equipment, pressures and/or tip sizes may be required depending on ambient temperatures and application conditions.

Airless Spray: Pressure 1800 psi, tip 0.013" to .015"

Conventional Spray: Fluid Nozzle: DeVilbiss MBC gun, with 704 or 777 air cap with F tip and needle, or comparable equipment. Atomization Pressure: 55-70; Fluid Pressure: Can not specify, dependent on numerous factors.

Thinning: Thinning will not be required for most applications. If thinning is necessary and permitted by local regulations, small amounts of 97-727 or 97-730 thinner (for spray), or 97-735 thinner (for roller) may be used. The 97-734 thinner may also be used for added open time.

Brush: High Quality Natural Bristle Brush

Roller: 3/8" nap solvent resistant core

Permissible temperatures during application:

Material:	60° to 90° F	16°C to 32°C
Ambient:	40° to 100° F	4°C to 38°C
Substrate:	40° to 130° F	4°C to 54°C

TINTING AND BASE INFORMATION

Do not tint with 96 line custom colorants. These products are designed to be tinted with PERFORMACOLOR colorants. Use formulas from the PITTHANE Ultra section of the formula book or from the PERFORMACOLOR software.

95-850	Porcelain White
95-8500	Neutral Base
95-8502	Yellow Base
95-8512	White Base
95-853	Light Gray
95-859	Component B Curing Agent

PRODUCT DATA

PRODUCT TYPE: Acrylic Aliphatic Urethane
GLOSS: Gloss: +65 (20° Gloss Meter)
VOC*: 395 g/L (3.29 lbs./gal.)
DFT: 1.5 to 2.0 mils
WEIGHT/GALLON*: 10.7 lbs.(4.9 kg)+/-0.3 lbs. (136g)
VOLUME SOLIDS*: 53.7% +/- 2%
WEIGHT SOLIDS*: 69.4% +/- 2%
MIXED RATIO: 7 parts Component A to 1 part Component B

*Product data calculated on 95-850.

COVERAGE: 432 to 577 sq. ft./gal. (40 to 54 sq. m/3.78L)
 Note: Does not include loss due to varying application method, surface porosity, or mixing.

Wet Film Thickness: 2.8 to 3.7 mils

Wet Microns: 71.1 to 94.0

Dry Film Thickness: 1.5 to 2.0 mils

Dry Microns: 38.1 to 50.8

DRYING TIME: Dry time @77°F (25°C); 50% relative humidity.

To Touch: 1 hour

To Handle: 3 hours

To Recoat: 3 hours

Accelerated Potlife: 1 hour

Accelerated Handle: 30 minutes

Pot Life: 3 hours

Induction Time: None

Drying times listed may vary depending on temperature, humidity, film build, color, and air movement.

IN SERVICE TEMP.: Dry Heat 350°F (177°C)

CLEANUP: 97-727, 97-730, 97-734, 97-735 PPG thinners

FLASH POINT: 95-850: 80°F (27°C)
 95-859: 331°F (166°C)

PACKAGING

1-Gallon (3.78L)
 5-Gallon (18.9L)
 Pint (473 mL)

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GENERAL SURFACE PREPARATION

The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. Where appropriate bare areas should be primed with a suitable primer.

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. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system and lofting by the proposed topcoat HPC Systems in Detail Brochure (H10788) **COATING SYSTEMS:** 313-HD, 314-HD, 323-HD, 331-HD, 423-HD, 435-HD.

RECOMMENDED PRIMERS

Aluminum	94-245
Concrete, Smooth Masonry	95-245
Galvanized Steel	95-245
Steel	97-680, 95-245
See Surface Prep Section	Refer to HD Coating Systems

LIMITATIONS OF USE

Apply only when air temperature is 40°F (4°C) or higher and when surface temperature is at least 5°F (3°C) above the dew point. The solvents contained in these products can lift some alkyd, oil based and other coatings that are not resistant to strong solvents. A test patch application is recommended before PITTHANE® 35 Gloss Urethane Enamel is applied to a significant area of an unknown base coat or primer. For Professional Use Only; Not Intended for Household Use. Color change begins at temperatures of 275°F (135°C). Not for immersion service.

SAFETY

Proper safety procedures should be followed at all times while handling this product. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. 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. Read all label and Material Safety Data Sheet for important health/safety information prior to use. MSDS are available through our website www.ppghpc.com or by calling 1-800-441-9695.

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