

**PITTSBURGH PAINTS**A new generation of paint company
for a new generation.**PITTHANE® 35****95-850 Series****HPC/Industrial Maintenance****PITTHANE® 35 Gloss Urethane Enamels****Generic Type**

Acrylic Aliphatic Urethane

General Description

Pitthane 35 Gloss Urethane Enamels are recommended as topcoats in coating systems where color and gloss retention are primary considerations. They also provide good chemical resistance and above average heat resistance.

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 Catalyst

Recommended Uses

Aluminum
Concrete
Steel
Galvanized Steel

Features / Benefits

Fully 3.5 VOC compliant
Virtually infinite color capability with PerformaColor® system
Superior chemical resistance
Mar & abrasion resistant
Spray, brush or roller application
High gloss finish
Excellent gloss & color retention

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. Not intended for residential use. Color change begins at temperatures of 275°F (135°C). Not for immersion service.

Product Data

Gloss:	Gloss: +70 (20° Gloss Meter)
VOC*:	3.29 lbs/gal 395.00 g/L
Coverage:	432 to 577 sq ft/gal (40 to 54 sq. m/3.78L)
DFT:	1.5 minimum to 2.0 maximum
Weight/Gallon*:	10.7 lbs. (4.9 kg) +/- 0.3 lbs. (136 g)
Volume Solids*:	54% +/- 2%
Weight Solids*:	69.4% +/- 2%
Mix Ratio:	7 parts Comp. A to 1 part Comp. B
Clean-up:	97-725, 97-727 PPG Thinners

Results will vary by color, thinning and other additives.

*Product data calculated on mixed 95-850

Drying Time:

To Touch:	1 hour
To Handle:	3 hours
Dry Time @77°F (25°C); 50% relative humidity	

Pot Life: 3 hours**In Service Temperature:**

Dry Heat (F): 350° Dry Heat (C): 177°

Flash Point: 95-850 80°F, (27°C)
95-859 331°F, (164°C)

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.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system and lifting 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	95-245
Galvanized Steel	95-245
Steel	97-680, 95-245
Concrete, Smooth Masonry	95-245
See Surface Prep Section	Refer to HD Coating Systems.

Directions for Use

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. Read all label and Material Safety Data Sheets (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

Permissible temperatures during application:

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

PPG AF believes the technical data presented in this bulletin 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 information visit our web site or call 1-800-441-9695

Application Information

Recommended Spread Rates:

Wet Mils :	2.8	minimum to	3.7	maximum
Wet Microns:	71.1	minimum to	94.0	maximum
Dry Mils :	1.5	minimum to	2.0	maximum
Dry Microns:	38.1	minimum to	50.8	maximum

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

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.

Airless Spray: Pressure 1800 psi, tip 0.013" - 0.015"

Brush: High Quality Natural Bristle Brush

Roller: 3/8" nap solvent resistant core

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.

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

Not all products are available in all sizes.



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Additional copies of this bulletin can be obtained from our web site or by calling 1-800-428-7806.

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