



HPC/Industrial Maintenance

PITTHANE® ULTRA Gloss Urethane Enamels

Generic Type

Acrylic Aliphatic Urethane

Tinting and Base Information

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

95-8000	Neutral Base
95-8001	White Base
95-8002	Yellow Base
95-8003	Red Base
95-812	Porcelain White
95-819	Component B Catalyst

General Description

Pitthane® Ultra 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.

Recommended Uses

- Aluminum
- Concrete
- Steel
- Galvanized Steel

Product Data

Gloss:	Gloss: +70 (20° Gloss Meter)
VOC*:	2.01 lbs/gal 241.00 g/L
Coverage:	375 to 572 sq ft/gal (35 to 53 sq. m/3.78L)
<i>Note: Does not include loss due to varying application method, surface porosity, or mixing.</i>	
DFT:	2.0 minimum to 3.0 maximum
Weight/Gallon*:	11.6 lbs. (5.3 kg) +/- 0.3 lbs. (136 g)
Volume Solids*:	70.4% +/- 2%
Weight Solids*:	82.7% +/- 2%
Mix Ratio:	5 parts Component A to 1 part Component B
Clean-up:	97-730, 97-725, 97-727, 97-734, 97-735, 97-736 PPG Thinners

Results will vary by color, thinning and other additives.

*Product data calculated on mixed 95-812

Features / Benefits

- PITTSBURGH® Paints best urethane coating
- Fully 2.8 VOC compliant
- Superior gloss and color retention
- Virtually infinite color capability with the PERFORMACOLOR® system
- Mar and abrasion resistant
- Superior chemical resistance

Drying Time:

To Touch:	2 hours
To Handle:	4 1/2 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°
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Limitations of Use

Apply only when air temperature is 50°F (10°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 application to a significant area of unknown base coat or primer. These coatings should not be used for dimensionally unstable substrates such as large expanses of wood. These coatings are not recommended for immersion service. Do not apply to concrete surfaces below grade or in other applications where hydrostatic pressure is present. Not intended for residential use. Color begins to change at 275°F (135°C).

Flash Point:	95-812 84°F, (28.9°C)
	95-819 331°F, (164°C)

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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.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system and lifting by the proposed topcoat.

COATING SYSTEMS: 241-HD, 242-HD, 243-HD, 245-HD, 246-HD, 247-HD, 248-HD, 249-HD.

Recommended Primers

Aluminum	95-245
Steel	97-680, 95-245
Galvanized Steel	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 Sheet (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:	50 to 100°F	10 to 38°C
Substrate:	50 to 130°F	10 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	4.3 maximum
Wet Microns:	71.1 minimum to	109.2 maximum
Dry Mils :	2.0 minimum to	3.0 maximum
Dry Microns:	50.8 minimum to	76.2 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 777 or 78 air cap with E or 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:

95-812: Add 97-735 at 23 fluid ounces per gallon of mixed paint for normal brush, roll, or spray. See the PermaColor VOC software to determine the allow thinning for VOC compliance. 97-735 thinner can be added to obtain a 2.8 lb/gal (340 g/l) VOC for normal brush, roll, or spray application. Use 97-736 for a faster solvent at equal volume as recommended above. Both 97-735 and 97-736 increase the conductivity of the mixed paint. If desired, other thinners (97-730 or 97-727 for spray, 97-734 for brush or roller) may be used.

Packaging: 1-Gallon (3.78L) 5-Gallon (18.9L)
Quart (946 mL)

Not all products are available in all sizes.



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