HPC/Industrial Maintenance

PITTHANE® High Build Semi-Gloss Urethane Enamels

GENERAL DESCRIPTION

PITTHANE® High Build Semi-Gloss is a durable, high build, acrylic urethane that is recommended for use where a semi-gloss appearance and delayed onset of chalking are desired. Easy to apply, the PITTHANE High Build Semi-Gloss can be brushed, rolled or sprayed and offers excellent color and gloss retention. Available in both white and neutral bases, this product has infinite color capability through our PERFORMACOLOR® tint system. In addition, faster dry time (dry to handle in approximately 5.5 hours or 55 minutes with accelerator), a 2.8 VOC, and longer pot life are features that make it ideal for industrial and commercial use.

RECOMMENDED USES

Aluminum	Galvanized Steel
Concrete	Steel

FEATURES AND BENEFITS

Fully 2.8 VOC compliant
Virtually infinite color capability with PERFORMACOLOR® System
Good chemical resistance
Mar & abrasion resistant
Spray, brush or roller application
Semi-gloss finish
Excellent gloss & color retention
High Build characteristics

RECOMMENDED PRIMERS

Aluminum	95-245, 97-145, 97-946, 97-687
Concrete Masonry Units	95-217, 97-685
Concrete, Stucco, Plaster, Masonry other than CM Unit	95-217, 97-685
Drywall	95-245, 97-145, 97-946
Ferrous Metal	94-109, 94-258, 95-245, 97-145
Galvanized Steel	94-109, 95-245, 97-145, 97-946

PACKAGING

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

All products not available in all sizes. Not all containers are full-filled.

TINTING AND BASE INFORMATION

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

PRODUCT CODE INFORMATION

95-859	Component B Curing Agent
95-8800	Neutral Base Component A
95-8801	White Base Component A

PRODUCT DATA

PRODUCT TYPE: Acrylic Aliphatic Urethane

GLOSS: Sprayed Semi-Gloss 40-60 (60º Gloss Meter)

VOC*: 2.43 lbs./gal. (291.6 g/L)

COVERAGE*: 206 to 516 sq. ft./gal. (18 to 47 sq. m/3.78L)

Note: Coverage does not include loss due to varying application method, surface porosity, or mixing.

WEIGHT/GALLON*: 12.4 lbs. (5.5 kg) +/- 0.3 lbs. (136 g)

VOLUME SOLIDS*: 64.3% +/- 2%

WEIGHT SOLIDS*: 80.5% +/- 2%

FILM THICKNESS:

Dry Mils*:	2.0 to 5.0
Dry Microns:	50.8 to 127.0
Wet Mils*:	3.1 to 7.8
Wet Microns:	78.1 to 198.1

*Product data calculated on 95-8801 mixed.

Results will vary by color, thinning and other additives.

MIX RATIO: 7 parts Comp. A to 1 part Comp. B

DRYING TIME: All @ 50% relative humidity

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

Temperature:	77ºF (25ºC)	60ºF (15.5ºC)
To Touch:	2.5 hours	5.5 hours
To Handle:	5.5 hours	18 hours
To Recoat:	5.5 hours	18 hours

DRY TIME ACCELERATED WITH 6 fl. oz./gal. 97-722

Temperature:	60ºF (15.5ºC)	40ºF(4.4ºC)
To Touch:	45 min	3 hours
To Handle:	2 hours	5 hours
To Recoat:	2 hours	5 hours

POT LIFE: 2.5 hours

IN SERVICE TEMP: 300ºF (149ºC)

CLEAN UP: 97-727, 97-730, 97-734 PPG Thinners

FLASH POINT:

95-8800	84ºF (28.9ºC)
95-8801	84ºF (28.9ºC)
95-859	331ºF (166ºC)

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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. See the list of recommended primers below. Job conditions may dictate the choice of an alternative primer. Consult the PPG HD Systems or your PPG Sales Representative if this is the case. The service life of the coating is directly related to the surface preparation. 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 lifting by the proposed topcoat.

HPC Systems in Detail Brochure (H13905)COATINGS SYSTEMS: 229-HD, 230-HD, 244-HD, 313-HD, 323-HD, 423-HD, 430-HD, 435-HD.

Note: Consult technical if cure at temperature below 40ºF is needed.

LIMITATIONS OF USE

Apply only when air temperature is 20ºF (-7ºC) or higher and when surface temperature is at least 5ºF (3ºC) above the dew point. The solvents contained in PITTHANE® Semi-Gloss Urethane Enamels can lift some alkyd, oil based and other coatings that are not resistant to strong solvents. A test patch application is recommended before PITTHANE Semi-Gloss Urethane Enamel is applied to a significant area of an unknown base coat or primer. Not recommended for immersion service. For Professional Use Only; Not Intended for Household Use.

SAFETY

Proper safety procedures should be followed at all times while handling this product. Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use.USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. 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.

MIXING AND APPLICATION 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 up to 6 oz. of 97-722 per mixed gallon). Add Component "B" to Component "A" and mix well. A mechanical mixer is recommended.

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

Conventional Spray: Fluid Nozzle: DeVilbiss gun, with 704 or 777 air cap with E 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” 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: High Quality Natural Bristle Brush
Roller: 3/8” nap solvent resistant core

Thinning: If thinning is necessary, up to 7% of 97-730 (spray) or 97-734 (brush and roll) may be used. Acetone may be used for spray application.

Permissible temperatures during application:

Material:	40 to 90ºF	4.4 to 32ºC
Ambient:	20 to 100ºF	-7 to 38ºC
Substrate:	20 to 140ºF	-7 to 60ºC

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