



**HPC/Industrial Maintenance**

**PITTHANE® High Build Acrylic Aliphatic Urethane**

**Generic Type**

Acrylic Aliphatic Urethane

**Tinting and Base Information**

These products are designed to be tinted with colorants of the PerformaColor System. Use formulas from the Pitthane High Build section of the formula book or from the PerformaColor System Software.

|         |                      |
|---------|----------------------|
| 95-8400 | Neutral Base         |
| 95-8412 | White Base           |
| 95-849  | Component B Catalyst |

**General Description**

Recommended for application on properly primed steel, aluminum, and masonry where excellent chemical resistance, gloss and color retention are required. These products are for use in commercial and industrial applications.

**Recommended Uses**

- Aluminum
- Masonry
- Steel

**Features / Benefits**

- Fully 3.5 VOC compliant
- Virtually infinite color capability with PerformaColor system
- Superior chemical resistance
- Mar & abrasion resistant
- High build application for fast work
- Excellent gloss & color retention

**Limitations of Use**

Apply only when air, product and surface temperatures are above 50°F (10°C) and surface temperature is at least 5°F (3°C) above the dew point. Curing is retarded below 60°F (15°C). Paint only in dry weather. Avoid painting in direct sunlight and extremes of temperatures. Avoid painting late in the day when dew or condensation are likely to form or when rain is threatening. These products are not recommended for use on swimming pools or for below grade applications involving possible hydrostatic pressure. Not intended for residential use. Not for immersion service.

**Product Data**

|  |   |
|--|---|
| <b>Gloss:</b>  | Gloss: 65 to 85 (60° Gloss Meter)           |
| <b>VOC*:</b>   | 3.15 lbs/gal 378.00 g/L                     |
| <b>Coverage:</b>   | 227 to 303 sq ft/gal (21 to 28 sq. m/3.78L) |
| <i>Note: Does not include loss due to varying application method, surface porosity, or mixing.</i> |   |
| <b>DFT:</b>  | 3.0 minimum to 4.0 maximum                  |
| <b>Weight/Gallon*:</b>   | 12.4 lbs. (5.6 kg) +/- 0.3 lbs. (136 g)     |
| <b>Volume Solids*:</b>   | 56.7% +/- 2%                                |
| <b>Weight Solids*:</b>   | 74.5% +/- 2%                                |
| <b>Mix Ratio:</b>  | 9 parts Comp. A to 1 part Comp. B           |
| <b>Clean-up:</b>   | 97-725, 97-728 PPG Thinners                 |

Results will vary by color, thinning and other additives.

\*Product data calculated on mixed 95-8412

**Drying Time:**

|  |          |
|--|----------|
| To Touch:                                    | 3 hours  |
| To Handle:                                   | 15 hours |
| Dry Time @77°F (10°C); 50% relative humidity |          |

**Pot Life:** 4 hours

**In Service Temperature:**

|                    |                    |
|--------------------|--------------------|
| Dry Heat (F): 250° | Dry Heat (C): 121° |
|--------------------|--------------------|

|                     |                        |
|---------------------|------------------------|
| <b>Flash Point:</b> | 95-8412 76°F, (24.4°C) |
|                     | 95-849 91°F, (32.8°C)  |
|                     | 95-8400 72°F, (22.2°C) |

## HPC/Industrial Maintenance

## PITTHANE® High Build Acrylic Aliphatic Urethane

## 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. HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 229-HD, 230-HD, 430-HD

## Recommended Primers

|                          |                              |
|--------------------------|------------------------------|
| Aluminum                 | 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. A digestion time of 30 minutes is required. 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  | 15 to 32°C |
| Ambient:   | 50 to 100°F | 10 to 38°C |
| Substrate: | 50 to 130°F | 10 to 54°C |

PPGAF 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 Mills :  | 5.3 minimum to   | 7.1 maximum   |
| Wet Microns: | 134.6 minimum to | 180.3 maximum |
| Dry Mills :  | 3.0 minimum to   | 4.0 maximum   |
| Dry Microns: | 76.2 minimum to  | 101.6 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 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 1500 psi, tip 0.015" - 0.017"

**Brush:** Not Recommended

**Roller:** Not Recommended.

## Thinning:

Thinning will not be required for most applications. If thinning is necessary and permitted by local regulations, small amounts of 97-730 Thinner or 97-727 Thinner can be used to aid atomization in cool weather and 97-734 Thinner may be used to increase open time in hot weather.

**Packaging:** 5-Gallon (18.9L)

Quart (946 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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