

# PITTHANE® 35 | 95-850 SERIES

## DESCRIPTION

Two-component, gloss acrylic aliphatic urethane

## PRINCIPAL CHARACTERISTICS

- High gloss topcoat
- VOC compliant for 3.5 VOC requirements
- Outstanding weather resistance
- Tough, flexible and abrasion resistant

## COLOR AND GLOSS LEVEL

- White, Light Gray, Yellow Base, Custom Colors
- Gloss

## BASIC DATA AT 68°F (20°C)

Data for mixed product	
Number of components	Two
Volume solids	54 ± 2%
VOC (Supplied)	max. 3.3 lb/US gal (approx. 394 g/l)
Temperature resistance (Continuous)	To 200°F (93°C)
Temperature resistance (Intermittent)	To 350°F (177°C)
Recommended dry film thickness	1.5 - 2.5 mils (38 - 64 µm) depending on system
Theoretical spreading rate	577 ft <sup>2</sup> /US gal for 1.5 mils (14.2 m <sup>2</sup> /l for 38 µm)
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 36 months when stored cool and dry

### Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time
- Discoloration will occur at high temperatures

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specific primers and intermediate coats for application and curing procedures. Ensure epoxies are free from amine blush prior to overcoating. All previous coats must dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats. Aged epoxy coatings require abrading prior to applying the product. A test patch over unknown coatings is recommended.



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## **Substrate temperature and application conditions**

- Surface temperature during application should be between 40°F (4°C) and 130°F (54°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 40°F (4°C) and 100°F (38°C)
- Relative humidity during application should be between 0% and 85%

## **Warning**

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted and approved (e.g., NIOSH approved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

## **SYSTEM SPECIFICATION**

- Primers: 97-145, 97-946, 97-680, 97-670, AMERCOAT 370, AMERCOAT 385, AMERLOCK 2/400

## **INSTRUCTIONS FOR USE**

### **Mixing ratio by volume: base to hardener 87.5:12.5 (7:1)**

- Pre-mix pigmented components with a pneumatic air mixer at moderate speeds to homogenize the container. Add hardener to base and agitate with a power mixer for 1–2 minutes until completely dispersed

## **Pot life**

2.5 hours at 70°F (21°C)

Note: See ADDITIONAL DATA – Pot life

## **Application**

- Area should be sheltered from airborne particulates and pollutants
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns
- Protect from moisture until dry through time is reached

## **Material temperature**

Material temperature during application should be between 60°F (16°C) and 90°F (32°C)



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**Air spray**

- Use standard conventional equipment
- A moisture and oil trap in the main line is essential. Product is sensitive to moisture contamination

**Recommended thinner**

THINNER 21-06 (97-727) or THINNER 91-30 (97-730)

**Volume of thinner**

0 - 5%

**Nozzle orifice**

Approx. 0.070 in (1.8 mm)

**Nozzle pressure**

0.4 - 0.5 MPa (approx. 4 - 5 bar; 55 - 70 p.s.i.)

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**Airless spray**

- 30:1 pump or larger

**Recommended thinner**

THINNER 21-06 (97-727) or THINNER 91-30 (97-730)

**Volume of thinner**

0 - 5%

**Nozzle orifice**

0.013 - 0.015 in (approx. 0.33 - 0.38 mm)

**Nozzle pressure**

12.4 MPa (approx. 124 bar; 1800 p.s.i.)

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**Brush/roller**

- Use a high quality natural bristle brush and/or solvent resistant, 1/4" or 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment. Multiple coats may be necessary to achieve adequate film-build
- AMERCOAT 851 flow control additive can be used to for enhanced flow and leveling with brush and roll application

**Recommended thinner**

THINNER 91-31 (97-734)

**Volume of thinner**

0 - 5%

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**Cleaning solvent**

THINNER 90-58 (AMERCOAT 12) or THINNER 21-06 (97-727)



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## ADDITIONAL DATA

Overcoating interval for DFT up to 2.0 mils (51 µm )				
Overcoating with...	Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	12 hours	4 hours	2 hours
	Maximum	Unlimited	Unlimited	Unlimited

Note: Overcoating times valid for a relative humidity of 50%

Overcoating interval with 97-722 accelerator for DFT up to 2.0 mils (51 µm )					
Overcoating with...	Interval	35°F (2°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	8 hours	2 hours	1 hour	30 minutes
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Curing time for DFT up to 2.0 mils (51 µm )		
Substrate temperature	Dry to touch	Dry to handle
50°F (10°C)	3 hours	12 hours
70°F (21°C)	1.5 hours	4 hours
90°F (32°C)	45 minutes	2 hours

Note: Curing times valid for a relative humidity of 50%

Curing time with 97-722 accelerator for DFT up to 2.0 mils (51 µm )		
Substrate temperature	Dry to touch	Dry to handle
35°F (2°C)	3 hours	8 hours
50°F (10°C)	1 hour	2 hours
70°F (21°C)	30 minutes	1 hour
90°F (32°C)	20 minutes	30 minutes

Pot life (at application viscosity)	
Mixed product temperature	Pot life
50°F (10°C)	5 hours
70°F (21°C)	2.5 hours
90°F (32°C)	1.5 hours



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## Pot life (at application viscosity): with 97-722 accelerator

Mixed product temperature	Pot life
50°F (10°C)	1.5 hours
70°F (21°C)	1 hour
90°F (32°C)	30 minutes

## DISCLAIMER

- For industrial or professional use only

## SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

## Danger

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to [www.pittsburghpaints.com](http://www.pittsburghpaints.com), Spontaneous Combustion Advisory for additional information

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

- |  |                   |      |
|--|-------------------|------|
| • CONVERSION TABLES  | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS   | INFORMATION SHEET | 1411 |
| • SAFETY INDICATIONS   | INFORMATION SHEET | 1430 |
| • SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD | INFORMATION SHEET | 1431 |

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.



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## AVAILABILITY

### Packaging

1-gallon and 5-gallon kits

Product codes	Description
95-850	Porcelain White
95-853	Light Gray
95-8500	Neutral base
95-8502	Yellow base
95-8512	White base
95-859	Hardener

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