

# PSX® 805

## DESCRIPTION

Satin Engineered Siloxane

## PRINCIPAL CHARACTERISTICS

- Virtually HAPs free, low VOC
- High durability in challenging environments
- Tough and abrasion resistant
- Resists dirt pickup, easily cleaned
- Can be applied directly to zinc primers as a 2-coat system

## COLOR AND GLOSS LEVEL

- Standard and custom colors
- Satin

## BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	Two
Volume solids	80 ± 3%
VOC (Supplied)	max. 75.0 g/l (approx. 0.6 lb/US gal)
Recommended dry film thickness	3.0 - 6.0 mils (75 - 152 µm) depending on system
Theoretical spreading rate	256 ft <sup>2</sup> /US gal for 5.0 mils (6.3 m <sup>2</sup> /l for 125 µm)
Shelf life	Base: at least 24 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

### Notes:

- \* The mixed and applied coating cure reaction will produce VOC of mixed alcohols. For 100 g/L VOC requirements, a VOC-exempt thinner such as 97-739 may be used as needed.
- When applying more than one coat, it is recommended that the total dry film thickness not exceed 10 mils (250 µm)
- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation

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## Steel

- Abrasive Blast to SSPC SP-6 or higher with a 1.0-3.0 mil surface profile
  - Keep moisture, oil, grease and other organic matter off surface before coating
  - Apply this product as soon as possible to avoid rusting of blasted surfaces
  - For touch up and repair, power tool cleaning in accordance with SSPC SP-11 is acceptable
  - Use a suitable primer for corrosive environments
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## Concrete

- See specific primer
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## Aged coatings

- Contact your PPG representative. A test patch of the product over intact clean coating and observation for film defects and adhesion over a period of time may be required, dependent upon the type of coating.
  - This product is compatible over Amercoat 450 Series polyurethane.
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## Atmospheric exposure conditions

- Ambient temperature should be between 32 °F and 120 °F.
  - Material temperature should be between 50 °F (10 °C) and 90 °F (32 °C)
  - Relative humidity should be above 40%
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## Substrate temperature

- Surface temperature during application should be between 32°F (0°C) and 120°F (49°C)
  - Surface temperature during application should be at least 5°F (3°C) above dew point
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## **SYSTEM SPECIFICATION**

- Primers: DIMETCOTE 9-series, DIMETCOTE 21-5, DIMETCOTE 302H, AMERCOAT 68HS, AMERLOCK 2/400, AMERCOAT 370, AMERCOAT 385, AMERCOAT 240, AMERCOAT 235
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## **INSTRUCTIONS FOR USE**

### Mixing ratio of base to hardener 7 :: 1

- Only mix full kits. Pre-mix base component with a pneumatic air mixing at moderate speeds to homogenize the container. Pour in the hardener component and power agitate until thoroughly mixed
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### Pot life

3 hours at 70°F (21°C)

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## **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
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## **Air spray**

- Separate air and fluid regulators are essential
- Ensure there is a moisture and oil trap in the main air line
- An agitated pressure pot is recommended

## **Recommended thinner**

THINNER 60-12 (AMERCOAT 911), THINNER 21-06 (AMERCOAT 65) (xylene), THINNER 21-25 (AMERCOAT 101) (recommended for > 90°F (32°C))

## **Volume of thinner**

0 - 10%

## **Nozzle orifice**

Approx. 0.070 in (1.8 mm)

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## **Airless spray**

- 30:1 pump or larger

## **Recommended thinner**

THINNER 60-12 (AMERCOAT 911), THINNER 21-06 (AMERCOAT 65) (xylene), THINNER 21-25 (AMERCOAT 101) (recommended for > 90°F (32°C))

## **Nozzle orifice**

0.015 – 0.017 in (approx. 0.38 – 0.43 mm)

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## **Brush/roller**

- Brush and roll application may result in uneven film build – which may lead to uneven film and gloss development or appearance
- 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
- Be aware that multiple coats may be required to achieve uniform and sufficient film thickness to provide proper hiding performance when applying by brush or roller

## **Recommended thinner**

THINNER 60-12 (AMERCOAT 911), THINNER 21-06 (AMERCOAT 65 (xylene)), or 97-739 (where exempt thinner is required for VOC regulations)



**PPG Protective &  
Marine Coatings**

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### Cleaning solvent

AMERCOAT 12 Cleaner or AMERCOAT 911 thinner

### ADDITIONAL DATA

Overcoating interval for DFT up to 100 µm (4.0 mils)				
Overcoating with...	Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	9 hours	4.5 hours	3 hours
	Maximum	Unlimited	Unlimited	Unlimited

Note: Surface must be power washed to remove contaminants. Surface must be clean and dry. When re-coating within 72 hours, solvent wipe the surface with any of the PSX 805 thinners prior to application of the second coat.

Curing time using standard hardener for up to 4 mils dft and 50% relative humidity		
Substrate temperature	Dry to touch	Dry to handle
40°F (4°C)	14 hours	36 hours
50°F (10°C)	8 hours	13 hours
70°F (21°C)	2 hours	8 hours
90°F (32°C)	1.5 hours	4 hours

Pot life (at application viscosity)	
Mixed product temperature	Pot life
50°F (10°C)	6.5 hours
70°F (21°C)	3 hours
90°F (32°C)	1.5 hours

### Product Qualifications

- SSPC Paint 36 Level 3 Performance

### 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

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## 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

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Packaging: Available in 1-gallon and 5-gallon kits

