

# PSX® ONE

## DESCRIPTION

High Solids, Single Pack Acrylic Polysiloxane

## PRINCIPAL CHARACTERISTICS

- High gloss topcoat
- High solids, low VOC
- Ease of application, brush, roll, or spray
- Isocyanate free
- Excellent gloss retention
- Meets SSPC Paint 36 Level 3

## COLOR AND GLOSS LEVEL

- Standard Color Offering, Safety Colors, Custom Colors
- Gloss

Note: Certain colors, especially red, orange, and yellow may require additional coats for adequate hiding, especially if applied over primers with a significant color contrast

## BASIC DATA AT 68°F (20°C)

Data for product	
<b>Number of components</b>	One
<b>Volume solids</b>	75 ± 2%
<b>VOC (Supplied)</b>	max. 1.8 lb/US gal (approx. 210 g/l)
<b>Temperature resistance (Continuous)</b>	To 200°F (93°C)
<b>Temperature resistance (Intermittent)</b>	To 250°F (121°C)
<b>Recommended dry film thickness</b>	2.0 - 3.0 mils (50 - 75 µm) depending on system
<b>Theoretical spreading rate</b>	401 ft <sup>2</sup> /US gal for 3.0 mils (10.0 m <sup>2</sup> /l for 75 µm)
<b>Shelf life</b>	At least 12 months when stored cool and dry

### Notes:

- Intermittent temperature resistance should be less than 5% of the time, and maximum 24 hours
- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time

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## 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 be dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats. Aged coatings require abrading prior to applying the product. A test patch over unknown coatings is recommended.

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### **Atmospheric exposure conditions**

- Ambient temperature should be between 40 °F (5 °C) and 120 °F (49 °C)
- Relative Humidity should be between 20% and 90%

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### **Substrate temperature**

- Substrate temperature during application should be between 40°F (4°C) and 120°F (49°C)
- Substrate temperature during application should be at least 5°F (3°C) above dew point

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## SYSTEM SPECIFICATION

- Primers: Amercoat One, Amercoat 185H, Amercoat 370, Amercoat 385, Amercoat 399, Amerlock 2/400

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## INSTRUCTIONS FOR USE

- Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing
- If partial containers are to be used, return the lid to the container immediately after the required amount is poured off. Float a few drops of thinner to cover the top surface of the paint and re-seal the lid prior to storage. Avoid exposing the open container to rain or other direct sources of water. Handling the product in this manner will typically allow for shelf stability of 3-6 months after opening.

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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

### **Material temperature**

Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

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**Air spray**

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

**Recommended thinner**

THINNER 60-12 (AMERCOAT 911)

**Volume of thinner**

0 - 20%

**Nozzle orifice**

Approx. 0.070 in (1.8 mm)

**Airless spray**

- 30:1 pump or larger

**Recommended thinner**

THINNER 60-12 (AMERCOAT 911)

**Nozzle orifice**

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

**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**

AMERCOAT 911

**Cleaning solvent**

AMERCOAT 12 Cleaner or AMERCOAT 911 thinner

**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	5 hours	2 hours	1 hour
	Maximum	Unlimited	Unlimited	Unlimited



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## Curing time for DFT up to 2.0 mils (51 µm)

Substrate temperature	Dry to touch	Full cure
50°F (10°C)	3 hours	16 hours
70°F (21°C)	2 hours	9 hours
90°F (32°C)	1 hour	5 hours

## 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

## 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

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|--------------------------------------------------------------------------------|-------------------|------|
| • 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 |

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# PSX® ONE

Packaging: Available in 1 and 5 gallon containers

Product code	Description
PXONE3	White Base
PXONET2	Light Tint Base *
PXONET3	Neutral Tint Base *
PXONET4	Red Tint Base *
PXONET5	High Hiding Yellow Tint Base *

Note: \* Tintable with UCD PS line tints only

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