

PSX[®] ONE

August 2013
Revision of October 2012

DESCRIPTION	High Solids, Single Pack Acrylic Polysiloxane
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - 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 requirements
COLOR AND GLOSS	<p>Standard Color Offering, Safety Colors, Custom Colors</p> <p>Gloss</p> <p><i>* Certain colors, especially red, orange, and yellow may require additional coats for adequate hiding, especially if applied over primers with a significant color contrast.</i></p>
BASIC DATA	
Volume solids	75% ± 3%
VOC	1.75 lbs/gal (210 g/L)
Recommended Dry film thickness (per coat)	2 – 3 mils (50 – 75 microns)
Theoretical Spread Rate	<p>@ 1 mil dft 1203 ft² / gallon</p> <p>@ 2 mils dft 602 ft² / gallon</p> <p>@ 3 mils dft 401 ft²/ gallon</p>
Components	1
Shelf Life	6 months from date of manufacture
SURFACE PREPARATION	<p>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 may require abrading prior to applying <i>PSX ONE</i>. A test patch over unknown coatings is recommended.</p>
ENVIRONMENTAL CONDITIONS	
Ambient temperatures	40°F to 120°F (5°C to 49°C)
Material temperatures	50°F to 90°F (10°C to 32°C)
Relative humidity	20 – 90%
Surface temperature	40°F to 120°F (5°C to 49°C) Surface temperature must be at least 5°F above dew point temperature.
General air quality	Area should be sheltered from airborne particulates and pollutants. Avoid combustion gases or other sources of carbon dioxide that may promote ambering of light colors. Ensure good ventilation during application and curing. Provide shelter to prevent wind from affecting spray patterns.
INSTRUCTIONS FOR USE	
Mixing	Agitate with a power mixer for 1-2 minutes until completely dispersed.
Airless spray	30:1 pump or larger, 0.013 - 0.017 fluid tip
Air spray	Thin up to 20%, standard conventional equipment, 0.070" fluid orifice. A moisture and oil trap in the main line is essential.
Brush & roll	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. <i>Amercoat 851</i> flow control additive can be used to for enhanced flow and leveling with brush and roll application.

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Thinner	<i>Amercoat 911</i>
Cleaning solvent	<i>Amercoat 12 Cleaner or Amercoat 911 thinner</i>
Primers	<i>Amercoat One, Amercoat 5105, Amercoat 185H, Amercoat 370, Amercoat 385, Amercoat 399, Amerlock 2/400, Amercoat 235, Amercoat 240, Pittguard Epoxies, Amerlock Sealer, Amercoat 68HS, Amercoat 237M</i>
Safety precautions	For paint and recommended thinners see safety sheet 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.

DRY/CURE TIMES

PSX ONE @ 2 mils dft

	50°F	70°F	90°F
Dry to touch	3 hours	2 hours	1 hour
Dry through	16 hours	9 hours	5 hours
Dry to recoat	5 hours	2 hours	1 hour
Maximum recoat	30 days		

AVAILABILITY

Packaging	Available in 1-gallon and 5-gallon units	
Product codes	PXONE23	Pearl Gray base
	PXONE3	White base
	PXONE9	Black base
	PXONET1	Deep tint base*
	PXONET2	Light tint base*
	PXONET3	Neutral tint base*
	PXONET4	Red tint base*
	PXONET5	High Hiding Yellow tint*

* Tintable with UCD PS Line colorants only.

Worldwide statement	While it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, 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.
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