# PSX 1001

March 2012
Revision of November 2011

**DESCRIPTION**

Single Pack Acrylic Polysiloxane

**PRINCIPAL CHARACTERISTICS**

- High gloss topcoat with unlimited recoatability
- Ease of application, brush, roll, or spray
- Isocyanate free
- Excellent gloss retention
- Meets SSPC Paint 36 Level 3

**COLOR AND GLOSS**

Standard Color Offering, Safety Colors, Custom Colors

Gloss

* *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**

| | |
|---|---|
| Volume solids | 55% ± 3% |
| VOC | 2.3 lbs/gal (384 g/L) |
| Recommended Dry film thickness (per coat) | 2 – 3 mils; (50 – 75 microns) |
| Theoretical Spread Rate | @ 1 mil dft 882 ft² / gallon<br>@ 2 mils dft 441 ft² / gallon |
| Components | 2 |
| Shelf Life | 1 year from date of manufacture |

**SURFACE PREPARATION**

Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specifc 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 PSX 1001. A test patch over unknown coatings is recommended.

**ENVIRONMENTAL CONDITIONS**

| | |
|---|---|
| Ambient temperatures | 40°F to 120°F (5°C to 49°C) |
| Material temperatures | 50°F to 90°F (10°C to 32ºC) |
| Surface temperature | 40°F to 120°F (5°C to 49°C) Surface temperature must be at least 5°F above the dew point temperature. |
| Relative humidity | 20% – 90% |
| 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**

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|---|---|
| Mixing | Agitate with a power mixer for 1-2 minutes until completely dispersed. |
| Airless spray | 28:1 pump or larger, 0.013-0.015 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. Amercoat 851 flow control additive can be used to for enhanced flow and leveling with brush and roll application. |
| Thinner | Amercoat 911 |
| Cleaning solvent | Amercoat 12 Cleaner or Amercoat 911 thinner |

# PSX 1001

| | |
|---|---|
| Primers | Amercoat One, Amercoat 5105, Amercoat 185H, Amercoat 370, Amercoat 399, Amerlock 2/400, Amercoat 235, Amercoat 240 |
| Safety precautions | For paint and recommended thinners see safety sheet 1430, 1431 and relevant material safety data sheets<br>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-1001 @ 2 mils dft

| | 50°F | 70°F | 90°F |
|---|---|---|---|
| Dry to touch | 3 hours | 2 hours | 1 hour |
| Dry through | 24 hours | 12 hours | 8 hours |
| Dry to recoat | 12 hours | 4 hours | 2 hours |
| Maximum recoat | Unlimited | | |

**PRODUCT QUALIFICATIONS**

- Compliant with USDA Incidental Food Contact Requirements
- NFPA Class A Flame Spread

**AVAILABILITY**

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

Product codes:

| | |
|---|---|
| PX1001-23 | Pearl Gray base |
| PX1001-3 | White base |
| PX1001-9 | Black base |
| PX1001-T1 | Deep tint base |
| PX1001-T2 | Light tint base |
| PX1001-T3 | Neutral tint base |
| PX1001-T4 | Red tint base |
| PX1001-T5 | High Hiding Yellow tint base |

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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