

PSX® 1001

DESCRIPTION

Single pack acrylic polysiloxane

PRINCIPAL CHARACTERISTICS

- High gloss topcoat with unlimited recoatability
- Ease of application, brush, roll, or spray
- High durability in challenging environments
- 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	
Number of components	One
Mass density	White: 1.3 kg/l (10.8 lb/US gal)
Volume solids	55 ± 2%
VOC (Supplied)	max. 3.2 lb/US gal (approx. 384 g/l)
Recommended dry film thickness	2.0 - 3.0 mils (50 - 75 µm) depending on system
Theoretical spreading rate	441 ft ² /US gal for 2.0 mils (11.0 m ² /l for 50 µm)
Shelf life	At least 12 months when stored cool and dry

Notes:

- 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. 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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Atmospheric exposure conditions

- Ambient temperatures should be between 40 °F (5 °C) and 120 °F (49 °C)
 - Material temperature should be between 50 °F (10 °C) and 90 °F (32 °C)
 - Relative Humidity should be between 20% and 90%
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Substrate temperature

- Substrate temperature during application should be between 50°F (10°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 5105, AMERCOAT 185H, AMERCOAT 370, AMERCOAT 399, AMERLOCK 2/400, AMERCOAT 235, AMERCOAT 240
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INSTRUCTIONS FOR USE

- Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing
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Application

- Area should be sheltered from airborne particulates and pollutants
 - Avoid combustion gases or other sources of carbon dioxide that may promote amine blush and ambering of light colors
 - Ensure good ventilation during application and curing
 - Provide shelter to prevent wind from affecting spray patterns
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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) or THINNER 21-06 (AMERCOAT 65)

Volume of thinner

0 - 20%

Nozzle orifice

Approx. 0.070 in (1.8 mm)



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Airless spray

- 28:1 pump or larger

Recommended thinner

THINNER 60-12 (AMERCOAT 911) or THINNER 21-06 (AMERCOAT 65)

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

THINNER 60-12 (AMERCOAT 911) or THINNER 21-06 (AMERCOAT 65)

Cleaning solvent

THINNER 90-58 (AMERCOAT 12), THINNER 60-12 (AMERCOAT 911), OR THINNER 21-06 (AMERCOAT 65)

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

Curing time for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Full cure
50°F (10°C)	3 hours	24 hours
70°F (21°C)	2 hours	12 hours
90°F (32°C)	1 hour	8 hours

Product Qualifications

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



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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

• 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® 1001

Product code	Description
PX100123	Pearl Gray
PX10013	White
PX10019	Black
PX1001T1	Deep Tint Base *
PX1001T2	Light Tint Base *
PX1001T3	Neutral Tint Base *
PX1001T4	Red Tint Base *
PX1001T5	High Hiding Yellow Tint Base *

Note: * Tintable using UCD V-Line colorants only

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