PSX 700A

March 2012
Revision of August 2011

DESCRIPTION

Engineered Siloxane Clear Coat

PRINCIPAL CHARACTERISTICS

- Unique, high gloss epoxy siloxane
- Low HAPs, ultra-low VOC
- High durability in challenging environments
- Abrasion resistant
- Resists dirt pickup, easily cleaned
- Isocyanate free

COLOR AND GLOSS

Clear
Gloss

BASIC DATA

Volume solids	80% ± 3%
VOC	0.9 lbs/gal (108 g/L) based on (EPA Method 24) * *The mixed and applied coating cure reaction will produce VOC of mixed alcohols.*
Recommended Dry film thickness* (per coat)	2 – 3 mils (50 – 75 microns)
Theoretical Spread Rate	@ 1 mil dft 1283 ft² / gallon @ 3 mils dft 428 ft² / gallon
Components	2
Shelf Life	2 years from date of manufacture when stored indoors in the original unopened container. Store product in dry conditions at temperatures of 40-100°F.

SURFACE PREPARATION

Coating performance is proportional to the degree of surface preparation. See specific primer for surface preparation details.

Aged Coatings

- Contact your PPG representative. A test patch of PSX 700A over in-tact clean coating and observation for film defects and adhesion over a period of time may be required, dependent upon the type of coating. PSX 700A should be applied over a UV-resistant coating in applications exposed to direct sunlight.

PSX-700A is compatible over Amercoat 450-series.

ENVIRONMENTAL CONDITIONS

Ambient temperatures	32°F to 120°F (0°C to 49°C) Surface temperature must be at least 5°F above the dew point temperature.
Material temperatures	32°F to 100°F (0°C to 32ºC)
Relative humidity	50% minimum *Work area can be artificially humidified by atomized water spray and/or ponding water under the coated structures. After the film is dry-to-touch, a fine mist may be applied over the coating to expedite curing in low humidity environments.*
Surface temperature	32°F to 120°F (0°C to 49°C) Surface temperature must be at least 5°F above the dew point temperature.
General air quality	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.

INSTRUCTIONS FOR USE

Mixing ratio by volume	5 parts base : 1 part hardener 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.

PSX 700A

Pot life*

Temperature	50°F	70°F	90°F
PSX 700A	6.5 hours	4 hours	1.5 hours

Airless spray

Standard airless spray equipment,
30:1 pump or larger, x.015 – x.017 fluid tip recommended

Air spray

Thin up to 10%, standard conventional equipment, 0.070" fluid orifice. A moisture and oil trap in the main line is recommended. Separate regulators for air and fluid pressure are recommended. Use an agitated pressure pot.

Brush & roll

Use a well loaded, high quality natural bristle brush. Maintain a wet edge.
Use a high quality, well loaded, solvent resistant, low nap (1/4"- 3/8") roller. Amercoat 851 flow control additive may be used to enhance flow and leveling of brush strokes and roller stipple.

Be aware that multiple coats may be required to achieve uniform and sufficient film thickness to provide proper hiding when applying by brush or roller.

Thinner

Amercoat 911, Amercoat 101 (recommended for > 90°F)

Cleaning solvent

Amercoat 12 Cleaner or Amercoat 911 thinner

Primers*

Amerlock 2/400, Amercoat 370, Amercoat 385, Amercoat 240, Amercoat 235, Amerlock Sealer, Pitt-guard Epoxies

* *Epoxies should be topcoated with a UV-resistant coating such as PSX polysiloxanes, Amercoat 450H-series, or Pitthane polyurethane for applications with direct sunlight exposure.*

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 700A @ 4 mils dft and 40% relative humidity

	32°F	50°F	70°F	90°F
Dry to touch	4.5 hours	2.5 hours	1.5 hours	1 hour
Dry through	24 hours	7 hours	4 hours	3 hours
Dry to overcoat*	20 hours	6 hours	3 hours	2 hours
Maximum overcoat	30 days			

* *Surface must be power washed as needed to remove all surface contaminants. Surface must be clean and dry. When re-coating within 72 hours, solvent wipe the surface with Amercoat 911 thinner prior to application of the second coat.*

PRODUCT QUALIFICATIONS

- NFPA Class A Flame Spread
- USDA Incidental Food Contact

AVAILABILITY

Packaging

Available in 1-gallon and 5-gallon kits

Product codes

PX700A0 Base component
PX700A0B Hardener component

Worldwide statement

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