



**SIGMA
COATINGS**



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Enlace ficha producto



PSX® 700A Clear Coat

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DESCRIPTION	Engineered Siloxane Clear Coat
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> – 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) <i>* The mixed and applied coating cure reaction will produce VOC of mixed alcohols.</i>
Recommended Dry film thickness* (per coat)	2 – 3 mils (50 – 75 microns)
Theoretical Spread Rate	@ 1 mil dft 1283 ft ² / gallon @ 3 mils dft 428 ft ² / 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 Clear Coat 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 Clear Coat should be applied over a UV-resistant coating in applications exposed to direct sunlight.
	PSX 700A Clear Coat 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 32°C)
Relative humidity	50% minimum <i>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.</i>
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 Clear Coat

Pot life*	<table border="1"> <thead> <tr> <th>Temperature</th> <th>50°F</th> <th>70°F</th> <th>90°F</th> </tr> </thead> <tbody> <tr> <td>PSX 700A Clear Coat</td> <td>6.5 hours</td> <td>4 hours</td> <td>1.5 hours</td> </tr> </tbody> </table>	Temperature	50°F	70°F	90°F	PSX 700A Clear Coat	6.5 hours	4 hours	1.5 hours
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Airless spray	Standard airless spray equipment, 30:1 pump or larger, 0.015 – 0.017" 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. <i>Amercoat 851</i> 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	<i>Amercoat 911, Amercoat 101</i> (recommended for > 90°F)								
Cleaning solvent	<i>Amercoat 12 Cleaner or Amercoat 911 thinner</i>								
Primers*	<i>Amerlock 2/400, Amercoat 370, Amercoat 385, Amercoat 240, Amercoat 235, Amerlock Sealer, Pitt-guard Epoxies</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.								

* 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.

DRY/CURE TIMES*

PSX 700A Clear Coat @ 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 kits	
Product codes	PX700A0	Base component
	PX700A0B	Hardener component

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.

PSX 700A Clear Coat

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