

A New Standard
in Government
Marine Coatings

PSX[®] 700SG

Semi-Gloss Engineered Siloxane Coating



Introducing the New PSX 700SG!

PPG Protective and Marine Coatings PSX 700SG is the new semi-gloss version of the patented PSX 700 epoxy polysiloxane.

PSX is a cutting-edge coatings category developed to provide the corrosion and chemical resistance of an epoxy with the finish of a fine urethane. PSX 700SG is a new formula specifically designed to meet and exceed the requirements of the U.S. marine segment.

PSX 700SG is:

- Approved on the Navy Qualified Product List (QPL) for use on topside and freeboard applications.
- Factory batched under strict quality control, PSX 700SG meets Navy Federal Standard Color standards for Haze Gray (26270-Haze Gray).
- This product meets MIL-PRF-24635E, Type V (high durability), Type VI (High durability, low VOC <100 g/L), Class 2 (Semigloss), add Grade B (LSA).



AMERCOAT[®]

A PPG brand

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The PSX Advantage

- Lowers Total Operational Costs (TOC)
- Superior abrasion resistance
- Lower solar absorption
- Unique surface tension minimizes rust or dirt streaking
- Low VOC, PSX 700SG can be applied nationally
- No Isocyanates
- Easy application by brush, roll or spray
- Indefinite recoatability
- Cures at a wide range of temperatures
- Designed to work for years and years

Product Characteristics

Name	PSX 700SG
Components	2
Size	One or five gallon
VOC	84 g/L
Volume Solids	90 +/-2%
Weight Solids	94 +/-2%
Primer	Refer to NSI 009-32

Physical Data

Finish	Semi-gloss	
Curing Mechanism	Chemical reaction	
Dry Film Thickness per Coat	3 – 7 mils (75 – 175 microns)	
Coats*	1 or 2	
Theoretical Coverage	ft ² /gal	m ² /L
1 mil (25 microns)	1444	35.5
3 mils (75 microns)	481	11.8
5 mils (125 microns)	289	7.1
7 mils (175 microns)	206	5.1
VOC**	lb/gal	g/L
700SG Mixed/Thinned @ 2 1/2 oz/gal (calculated)	0.83	99.9
Temperature Resistance – Dry	°F	°C
Continuous	200	93
Intermittent	250	121
Flash Point (SETA)	°F	°C
Resin	207	97
Cure	205	96
FD Cure	180	82
Amercoat 101	145	63

* When applying more than one coat, it is recommended that total dry film thickness not exceed 10mils.

** The mixed and applied coating cure reaction will produce VOC of mixed alcohols. For 100 g/l VOC requirements, a VOC – exempt thinner such as Amercoat 939 may be used as needed.

System Specifications

Vertical Surfaces	Amercoat 235 or 240 prime coat (4-8 mils) One coat of PSX 700SG Deck Gray (5-6 mils)
Horizontal Surfaces	Amercoat 235 or 240 prime coat (4-8 mils) One coat of PSX 700SG Deck Gray (5-6 mils)

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