PSX® ONE 750

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 and 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 20°C (68°F)

Data for product	
Number of components	One
Mass density	White: 1.3 kg/l (11.0 lb/US gal)
Volume solids	White: 58 ± 2%
VOC (Supplied)	max. 1.6 lb/US gal (approx. 191 g/l)
Recommended dry film thickness	2.0 - 3.0 mils (50 - 75 µm) depending on system
Theoretical spreading rate	465 ft^2/US gal for 2.0 mils (11.4 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 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 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%

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

INSTRUCTIONS FOR USE

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

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

Air spray

- A moisture and oil trap in the main line is essential. Product is sensitive to moisture contamination

Recommended thinner

THINNER 21-85 (97-739 THINNER (exempt)), THINNER 21-06 (AMERCOAT 65 (xylene))

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 21-85 (97-739 THINNER (exempt)), THINNER 21-06 (AMERCOAT 65 (xylene))

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

Recommended thinner

THINNER 21-85 (97-739 THINNER (exempt)), THINNER 21-06 (AMERCOAT 65 (xylene))

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 (50 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 (50 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

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SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- 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 & 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

- Information sheet | Explanation of product data sheets

WARRANTY

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