DESCRIPTION

Semi-gloss aliphatic polyurethane topcoat

PRINCIPAL CHARACTERISTICS

- · Semi-gloss topcoat with unlimited recoatability
- Outstanding weather resistance with excellent color and gloss retention
- VOC compliant
- · Tough, flexible and abrasion resistant
- · Cures through a wide temperature range

COLOR AND GLOSS LEVEL

- · Custom Colors
- Semi-gloss (45-65)

Notes:

- Certain colors, especially red, orange, and yellow may require additional coats for adequate hiding, especially if applied over primers
 with a significant color contrast
- Yellow, red, and orange colors will fade faster than other colors due to the replacement of lead-based pigments with lead free pigments in these colors

BASIC DATA AT 68°F (20°C)

Data for mixed product		
Number of components	Two	
Volume solids	65 ± 2%	
VOC (Supplied)	max. 2.2 lb/US gal (approx. 264 g/l)	
Temperature resistance (Continuous)	To 200°F (93°C)	
Recommended dry film thickness	2.0 - 4.0 mils (50 - 100 μm) depending on system	
Theoretical spreading rate	521 ft²/US gal for 2.0 mils (13.0 m²/l for 50 μm)	
Shelf life	Base: at least 24 months when stored cool and dry Hardener: at least 24 months when stored cool and dry	

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.

Ref. P631 Page 1/5



Substrate temperature and application conditions

- Surface temperature during application should be between 20°F (-7°C) and 120°F (49°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 20°F (-7°C) and 120°F (49°C)
- Relative humidity during application should not exceed 85%

SYSTEM SPECIFICATION

 Primers: AMERCOAT 68HS, AMERCOAT 68MCZ, AMERCOAT 370, AMERCOAT 385, AMERCOAT 399, AMERLOCK 2/400, PITTGUARD Epoxies

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 80:20 (4:1)

• Pre-mix base component with a pneumatic air mixer at moderate speeds to homogenize the container. Add hardener to base and agitate with a power mixer for 1–2 minutes until completely dispersed

Pot life

4 hours at 70°F (21°C)

Note: See ADDITIONAL DATA - Pot life

Application

- 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

Material temperature

Material temperature during application should be between 40°F (4°C) and 90°F (32°C)

Air spray

- · Use standard conventional equipment
- A moisture and oil trap in the main line is essential. Product is sensitive to moisture contamination

Recommended thinner

THINNER 21-06 (AMERCOAT 65) (xylene)), THINNER 21-25 (AMERCOAT 101) (recommended for > 90°F (32°C)), THINNER 50-48 (AMERCOAT 923)

Volume of thinner

0 - 20%

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Ref. P631 Page 2/5



Airless spray

• 28:1 pump or larger

Recommended thinner

THINNER 21-06 (AMERCOAT 65) (xylene)), THINNER 21-25 (AMERCOAT 101) (recommended for > 90°F (32°C)), THINNER 50-48 (AMERCOAT 923)

Volume of thinner

0 - 10%

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
- Ensure the brush/roller is well-loaded to avoid air entrainment. Level air bubbles with a brush. Multiple coats may be necessary to achieve adequate film build
- 851 Flow Control Additive can be used to enhanced flow and leveling with brush and roll application
- · Multiple coats may be required to achieve proper film build and hiding with roller application

Recommended thinner

THINNER 21-06, THINNER 21-25 (recommended for > 90F (32C)), THINNER 50-48

Cleaning solvent

Amercoat 12 Cleaner (Thinner 90-58) or Amercoat 65 Thinner (Thinner 21-06)

ADDITIONAL DATA

Overcoating interval for	ercoating interval for DFT up to 2.0 mils (51 μm)				
Overcoating with	Interval	32°F (0°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	24 hours	12 hours	4 hours	2 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Overcoating interval with AMERCOAT 866 M accelerator for DFT up to 2.0 mils (51 µm)						
Overcoating with	Interval	20°F (-7°C)	32°F (0°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	24 hours	12 hours	6 hours	2 hours	1 hour
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

Ref. P631 Page 3/5



Curing time for DFT up to 2.0 mils (51 µm)			
Substrate temperature	Dry to touch	Dry to handle	
32°F (0°C)	12 hours	3 days	
50°F (10°C)	4 hours	36 hours	
70°F (21°C)	2 hours	18 hours	
90°F (32°C)	1 hour	6 hours	

Curing time with AMERCOAT 866 M accelerator for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry to handle
20°F (-7°C)	8 hours	3 days
32°F (0°C)	4 hours	36 hours
50°F (10°C)	1.5 hours	8 hours
70°F (21°C)	40 minutes	2.5 hours
90°F (32°C)	20 minutes	105 minutes

Pot life (at application viscosity)		
Mixed product temperature	Pot life	
50°F (10°C)	6 hours	
70°F (21°C)	4 hours	
90°F (32°C)	2 hours	

Product Qualifications

Compliant with USDA Incidental Food Contact Requirements

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.

Ref. P631 Page 4/5



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 -	INFORMATION SHEET	1431
	TOXIC HAZARD		

WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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Packaging: Available in 1-gallon and 5-gallon kits

Product code	Description
Contact Sales	Contact Sales

Note: * Tintable using UCD V-Line colorants only

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Ref. P631 Page 5/5