

AMERCOAT® 5450

DESCRIPTION

Gloss Alkyd Enamel

PRINCIPAL CHARACTERISTICS

- High gloss topcoat with unlimited recoatability
- Ease of application, brush, roll, or spray
- Good weather resistance
- < 3.4 lbs/ gal VOC

COLOR AND GLOSS LEVEL

- Standard Color Offering, Safety Colors, 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
Volume solids	48 ± 2%
VOC (Supplied)	max. 3.3 lb/US gal (approx. 400 g/l)
Recommended dry film thickness	1.5 - 2.5 mils (38 - 64 µm) depending on system
Theoretical spreading rate	385 ft ² /US gal for 2.0 mils (9.6 m ² /l for 50 µm)
Shelf life	At least 24 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 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.

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Substrate temperature and application conditions

- Surface temperature during application should be between 45°F (7°C) and 100°F (38°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 40°F (4°C) and 100°F (38°C)
 - Relative humidity during application should not exceed 85%
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SYSTEM SPECIFICATION

- Primers: AMERCOAT 5105, AMERCOAT 185H, AMERCOAT 370, AMERCOAT 385, AMERLOCK 2/400, AMERCOAT 235, AMERCOAT 240

Note:

- Solvent wipe the surface of the epoxy prior to application. Allow the epoxy to dry achieve a dry through state. If the epoxy has cured greater than 3x the dry through time, abrade the surface prior to coating
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INSTRUCTIONS FOR USE

- If material has skinned over, gently remove
 - Strain to remove any skin particles prior to agitation
 - Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing
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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
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Material temperature

- Material temperature during application should be between 50°F (10°C) and 90°F (32°C)
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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 20-05 (AMERCOAT 15) (mineral spirits))

Volume of thinner

0 - 20%

Nozzle orifice

Approx. 0.070 in (1.8 mm)

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Airless spray

- 30:1 pump or larger

Recommended thinner

THINNER 20-05 (AMERCOAT 15) (mineral spirits))

Volume of thinner

0 - 5%

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
- AMERCOAT 851 flow control additive can be used to for enhanced flow and leveling with brush and roll application

Recommended thinner

AMERCOAT 15 (mineral spirits)

Volume of thinner

0 - 5%

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	24 hours	12 hours	8 hours
	Maximum	Unlimited	Unlimited	Unlimited

Curing time for DFT up to 2.0 mils (50 µm)		
Substrate temperature	Dry to touch	Dry to handle
50°F (10°C)	4 hours	48 hours
70°F (21°C)	2 hours	24 hours
90°F (32°C)	1.5 hours	14 hours



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SAFETY PRECAUTIONS

- 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
- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

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

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AVAILABILITY OF PACKAGING

Depending on specific country of application the following versions are available:

Product	Color
AT 5450-23	Pearl Gray
AT 5450-T5	High Hiding Yellow Tint
AT 5450-T1	Deep Tint Base
AT 5450-T4	Red Tint Base
AT 5450-T3	Neutral Tint Base
AT 5450-T2	Light Tint Base
AT 5450-3	White
AT 5450-9	Black
