AMERCOAT 237M

February 2012
Revision of November 2011

DESCRIPTION

Heavy Duty Non-skid Epoxy Coating

PRINCIPAL CHARACTERISTICS

- Tough, abrasion resistant epoxy coating containing hard non-skid grit
- Non-skid grit pre-dispersed in epoxy component
- Easy spray or roll on application
- Suitable for off shore decks, helicopter pads, vehicular decks, truck ramps, and walkways

COLOR AND GLOSS*

Dark Gray, Haze Gray, Oxide Red

Semi-gloss

* *Epoxy coatings will characteristically chalk and fade upon exposure to sunlight. Light colors are prone to ambering to some extent*

BASIC DATA

Volume solids	76% ± 3%
VOC	1.3 lbs/gal (156 g/L)
Recommended Dry film thickness (per coat)	Apply at approximately 80 ft^2 / gallon
Components	2
Shelf Life	3 years from date of manufacture

SURFACE PREPARATION

Coating performance is, in general, proportional to the degree of surface preparation.

Steel
- SSPC SP-6, SP-10, SP-11, or SP-12 WJ-2(L), then prime with suitable primer. See specific primer for further details.

Concrete
- Remove all surface contaminants such as oil, grease, and embedded chemicals. Abrade the surface per ASTM D 4259 to remove all chalk and surface glaze or laitance. Mechanical surface preparation should expose sub-surface voids and provide a surface profile equivalent to 60 grit sandpaper or coarser. Surface should be free from moisture in accordance with ASTM D4263. Refer to Information Sheet # 1496 ACUS for further details regarding moisture measurements. Slabs on grade should have a maximum moisture content of 3 lbs/1,000 ft^2/24 hours when measured by calcium chloride test. Prime with Amerlock Sealer or Amerlock 2/400.

Non-ferrous metals
- Lightly abrasive blast in accordance with SSPC SP-16 to achieve a uniform and dense 1.5-4.0 mil anchor profile. Use suitable epoxy primer.

ENVIRONMENTAL CONDITIONS

Ambient temperatures	40°F to 120°F (5°C to 49°C) Surface temperature must be at least 5°F above the dew point temperature.
Material temperatures	40°F to 90°F (5°C to 32ºC)
Relative humidity	85% maximum
Surface temperature	40°F to 120°F (5°C to 49°C)
General air quality	Area should be sheltered from airborne particulates and pollutants. Avoid combustion gases or other sources of carbon dioxide that may promote amine blush. Ensure good ventilation during application and curing. Provide shelter to prevent wind from affecting spray patterns.

INSTRUCTIONS FOR USE

Mixing ratio by volume

4 parts base to 1 part hardener

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

AMERCOAT 237M

Pot life	

50°F	70°F	90°F
6 hours	4 hours	2 hours

Induction time	15 minutes at 75°F or lower
Airless spray	Not recommended
Air spray	Use an agitated, bottom fluid outlet spray pot equipped 3/4" fluid outlet connection such as a Binks 5-gallon Model 83-5462 with a 3/4" fluid hose. A Binks Model 7E-2 hand gun or 125 pole gun, with 45 or 46 tip sizes and 190-191 hardened nozzles is suitable. The maximum length of the fluid hose should be 15 feet. Flush out all equipment with T-10 thinner and ensure it is in good working order. Apply about 25 psi fluid pressure to the spray pot and start the agitator at low speed. The air pressure should be turned on, ensuring it is adjusted to 5 psi higher than the pot pressure. Next, hold the gun nozzle over the empty 5 gallon pail. Open the valve on the gun, then open the bottom outlet valve on the spray pot. This sequence is important to prevent clogging of the fluid line. If the fluid line becomes clogged, relieve the fluid pressure and open the vent valve on the spray pot. Blow the paint in the fluid line back into the pot by covering the spray gun head with a rag. This should clear the fluid hose. After closing the spray pot outlet valve, proceed again as indicated above. After the proper spray pattern is obtained by adjustements in the fluid and air pressures, begin applying the non-skid coating. Spray the coating in overlapping passes to hide the primer. Optimum spray techniques should result in a spreading rate of about 80 ft^2/gallon.
Roller	Use a short nap roller with a long handle and roll evenly. Mixed material can be poured in a ribbon and rolled in one direction.
Thinner	Thin up to 5% with Amercoat T-10 thinner
Cleaning solvent	Amercoat 12 Cleaner or Amercoat T-10
Primers	Amercoat 137, Amercoat 235, Amercoat 240, Amerlock 2/400, Dimetcote 302H, Amerlock Sealer
Topcoats	Amercoat 450-Series Polyurethanes, Amershield, PSX 700, Amercoat 229T, PSX One
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.

DRY/CURE TIMES

Amercoat 237M @ 80 ft^2/ gal

	50°F	70°F	90°F
Dry through	48 hours	24 hours	14 hours
Dry to topcoat	48 hours	24 hours	14 hours
Max topcoat	14 days	7 days	4 days

* *Dry times are dependent on air and surface temperatures as well as film thickness, ventilation, and relative humidity. Maximum recoating time is highly dependent upon actual surface temperatures – not simply air temperatures. Surface temperatures should be monitored, especially with sun-exposed or otherwise heated surfaces. Higher surface temperatures shorten the maximum recoat window.*

Surface must be clean and dry. Any contamination must be identified and removed. Particular attention must be paid to surfaces exposed to sunlight where chalking may be present. In those situations, a further degree of cleaning may be required. PPG Technical Service can advise on suitable cleaning methods. If maximum recoat/topcoat time is exceeded, then roughen surface.

AVAILABILITY

Packaging	Available in 5-gallon kits 5- gallon kits have 4 gallons of base and 1 gallon of hardener	
Product codes	AT237-23	Pearl Gray base component
	AT237-28	Dark Gray base component
	AT237-72	Oxide Red base component
	AT 237-B	Hardener Component

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