



AMERON
INTERNATIONAL

Performance Coatings & Finishes

Amercoat® 237M

Heavy-duty epoxy non-skid coating

Product Data/ Application Instructions (For Marine & Offshore use)

- Hard, tough epoxy coating containing hard non-skid grit
- Non-skid grit predispersed in epoxy component
- Long lasting, positive non-skid properties
- Maximum adhesion to steel, aluminum and concrete
- Easy spray or roll-on application

Typical Uses

- Offshore platform decks
- Helicopter pads
- Aircraft hanger floors
- Vehicular decks
- Truck ramps
- Exposed walkways of all types
- Any areas where heavy-duty non-skid properties are required

Surface Preparation

Coating performance is, in general, proportional to the degree of surface preparation. Surface must be clean, dry, undamaged and free of all contaminants prior to coating.

Welds should be continuous with no overlapping steel surfaces or rough edges. Remove all weld spatter.

Primed steel – Prepare surface in accordance with application instructions for the specific primer being used. Be sure primer is clean and dry when Amercoat 237M is applied. Remove all loose rust, dirt, moisture, grease, and other contaminants.

Galvanizing – Remove oil or soap film with neutral detergent or emulsion cleaner; then use zinc treatment such as Galvaprep® or equivalent or blast lightly with fine abrasive.

Aluminum – Remove oil, grease or soap film with neutral detergent or emulsion cleaner; blast lightly with fine abrasive.

Concrete – Acid etch (ASTM D4260) or abrasive blast (ASTM D4259). New concrete must be cured a minimum of 14 days.

Repair – Prepare damaged areas to original surface preparation specifications, feathering edges of intact coating. Thoroughly remove dust or abrasive residue before touch up.

Adhere to all application instructions, precautions, conditions and limitations during storage, handling, application and drying periods to obtain the maximum performance. For conditions outside the requirements or limitations described, contact your Ameron representative.

Physical Data

Finish	Semi-gloss	
Color	Dark gray, haze gray, oxide red	
Components	2	
Curing mechanism	Solvent release and chemical reaction between components	
Volume solids (ASTM D2697)	76% ± 3%	
Coats	1	
Practical coverage	ft ² /gal	m ² /L
	80	1.96
VOC (EPA Method 24)	lb/gal	g/L
mixed	1.3	156
Flash point (SETA)	°F	°C
Amercoat 237M resin	85	29
Amercoat 237M cure	105	40
T-10	80	27
Amercoat®12	2	-17

Application Data

Applied over	Prepared and primed steel. Prepared aluminum or concrete.	
Primer	Amercoat 137, 235, 236	
Method	Air spray or roller	
Mixing ratio (by volume)	4 parts resin to 1 part cure	
Pot life (hours)	77°F/25°C 4	
Environmental conditions		
Temperature	°F	°C
air and surface	40 to 120	5 to 50
material (minimum)	40	4
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.		
Thinner	T-10	
Equipment cleaner	Thinner or Amercoat 12	

Shipping Data

Packaging units	5 gal	
cure	1 gal in 1-gal can	
resin	4 gal in 5-gal can	
Shipping weight (approx)	lb	kg
5-gal can		
cure	8.7	3.9
resin	64.2	29.1
Shelf life when stored indoors at 40 to 100°F (4 to 38°C)		
cure and resin	1 year from shipment date	

Numerical values are subject to normal manufacturing tolerances, colors and testing variances. Allow for application losses and surface irregularities.

This product is photochemically reactive as defined by the South Coast Air Quality Management District's Rule 102 or equivalent regulations.

Formerly Devgrip™ 237M

Mixing and Thinning

Amercoat 237M non-skid coating is a two component product supplied in 5 gallon kits which contain the proper ratio of ingredients. The entire contents of each container must be mixed together. Mix the resin portion slowly with an air powered agitator, then slowly add the cure portion, making sure all the cure is added.

Thinning is not recommended, however, at lower temperatures, up to 5% T-10 thinner may be added depending on local VOC and air quality regulations. Excessive thinning will hurt the non-skid quality and flow pattern.

Potlife

The potlife of this material is 4 hours @ 77°F (25°C). Higher temperatures will reduce working life of this coatings; lower temperatures will increase it.

Application Equipment

Air spray – Equipment - bottom fluid outlet power agitated spray pot having ¾" fluid hose connections and pressure gauges. Binks 5 gallon Model 83-5462, ¾" fluid hose, Binks Model 7E-2 hand gun or 125 polegun, 45 or 46 tip sizes and 190-191 hardened nozzles. Assemble all spray equipment, making sure the fluid hose does not exceed 15 feet and all equipment is clean and in good working order. Flush out the equipment by spraying a small quantity of T-10 thinner.

Roller – Use a short nap roller with a long handle.

Application Procedure

Air spray – After mixing Amercoat 237M non-skid coating as indicated above, pour the coating into the spray pot. Be sure the bottom outlet is closed. Apply about 25 PSI fluid pressure to the spray pot and start the agitator at slow speed. The air pressure should be turned on, making sure it is adjusted to always be 5 PSI higher than the pot pressure. Next, hold the gun nozzle over the just emptied 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 adjustments in the fluid and air pressures, begin applying the non-skid coating. Spray the coating in overlapping passes to just hide the primer coating. Optimum spray techniques should result in a spreading rate of about 80 square feet/gallon (1.96 square meters/liter).

Roller – Pour out the mixed coating and spread evenly. Estimated coverage is 50 square feet/gallon (1.23 square meters/liter). Rolling should be done carefully to give Amercoat 237M the appearance of sprayed material with uniform distribution of grit within the rolled area.

Limitation of Liability

Ameron's liability on any claim of any kind, including claims based upon Ameron's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. **In no event shall Ameron be liable for consequential or incidental damages.**

Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to Ameron 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, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Ameron of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

Ameron makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Ameron be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by Ameron, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

CAUTION – Improper use and handling of this product can be hazardous to health and cause fire or explosion.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapor concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. Ameron makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which Ameron is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

Note: Consult Code of Federal Regulations Title 29, Labor, parts 1910 and 1915 concerning occupational safety and health standards and regulations, as well as any other applicable federal, state and local regulations on safe practices in coating operations.

This product is for industrial use only. Not for residential use.



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