

# AMERCOAT 138G

February 2012  
Revision of September 2011

<b>DESCRIPTION</b>	Heavy Duty Non-skid Epoxy Coating
<b>PRINCIPAL CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>– Tough, abrasion resistant epoxy coating containing hard non-skid grit</li> <li>– Non-skid grit pre-dispersed in epoxy component</li> <li>– Qualified to Mil-PRF-24667, Types I and 2</li> </ul>
<b>COLOR* AND GLOSS</b>	<p>Dark Gray, Black Low Sheen</p> <p><i>* Epoxy coatings will characteristically chalk and fade upon exposure to sunlight.</i></p>
<b>BASIC DATA</b>	
Volume solids	82% ± 3%
VOC	1.4 lbs/gal (168 g/L)
Recommended Dry film thickness (per coat)	Apply at 25 – 35 ft <sup>2</sup> /gallon
Components	2
Shelf Life	1 year from date of manufacture
Specific gravity	1.52 g/cm <sup>3</sup> (based on Off White)
<b>SURFACE PREPARATION</b>	Coating performance is, in general, proportional to the degree of surface preparation.
Steel	<ul style="list-style-type: none"> <li>– SSPC SP-10, SP-11, or SP-12 WJ-2(L), then prime with suitable primer. A minimum anchor profile of 2.0 mils is required. Optimum is 3.0-4.5 mils. See specific primer for further details. For Mil-PRF-24667 qualified applications, use Amercoat 137 as the primer</li> </ul>
Concrete	<ul style="list-style-type: none"> <li>– Prepare in accordance with SSPC SP-13 guidelines. Remove all surface contaminants such as oil, grease, and embedded chemicals. Abrade the surface per ASTM D4259 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 # 1496ACUS for further details regarding moisture measurements. Slabs on grade should have a maximum moisture content of 3 lbs / 1,000 ft<sup>2</sup>/24 hours when measured by calcium chloride test. Prime with Amerlock Sealer or Amerlock 2/400.</li> </ul>
Non-ferrous metals	<ul style="list-style-type: none"> <li>– Not recommended on aluminum decks.</li> </ul>
<b>ENVIRONMENTAL CONDITIONS</b>	
Ambient temperatures	40°F to 120°F (5°C to 49°C)
Relative humidity	85% maximum
Surface temperature	40°F to 120°F (5°C to 49°C)
General air quality	Surface temperature must be at least 5°F above the dew point temperature. 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.
<b>INSTRUCTIONS FOR USE</b>	
Mixing ratio by volume	5 parts base to 1 part hardener A pneumatic mixer with a ¾ hp motor with a ½" or ¾" shaft, dual 4- or 5-inch impeller is recommended. Pre-mix base component at moderate speeds (approximately 300-400 rpms) to homogenize the container. Add hardener to base and agitate with a power mixer for 3-4 minutes until completely dispersed. Move the impeller up and down to ensure good off-bottom mixing and draw-down from the top surface. Do not mix more than can be applied within the pot life.

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Pot life	50°F	70°F	90°F
	4 hours	2 hours	45 minutes
Airless spray	Not recommended		
Roller	Pour mixed material out in a ribbon. Use a napless, phenolic core roller with a long handle and roll evenly in one direction. "Pull" material toward applicator and work in one direction. Maintain a wet edge.		
Thinner	Not normally recommended. If needed for workability, thin up to 3% with Amercoat T-10 thinner. Thinning is not allowed for Mil-spec qualified applications.		
Cleaning solvent	Amercoat 12 Cleaner or Amercoat T-10		
Primers	Amercoat 137, Amercoat 235, Amercoat 240, Amerlock 2/400, Amerlock Sealer		
Topcoats	Amercoat 450-series polyurethanes, Amershield, PSX 700, Amercoat 229T, PSX One, Use Amercoat 229T for zone markings when compliance with Mil-PRF-24667 is required.		
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

	50°F	70°F	90°F
Dry through/ Foot traffic	48 hours	16 hours	6 hours
Dry topcoat	48 hours	16 hours	6 hours
Max topcoat	7 days	3 days	2 days
Cure to vehicular service	10 days	6 days	3 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 monopack kits	
Product codes	AT138G-2	Dark Gray Base component
	AT138G-9	Black Base component (special order only)
	AT138G-B	Hardener component

Worldwide statement	While it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, 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.
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