AMERON
INTERNATIONAL
Performance Coatings & Finishes

Amercoat® 138HR

Heavy-duty epoxy non-skid coating

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

- High solids two-component epoxy
- **Roll-on application**—Creates a unique ridge formation
- **Very hard, non-wearing grit**—Grit is pre-mixed into the base component
- **Heavy-duty**—Very long-lasting non-skid properties

Typical Uses

Aircraft carrier decks	Vehicular ramps and decks
Offshore decks	Other very heavy-duty service areas where non-slip properties are required

Qualifications

MIL-PRF-24667A, Types I and II, Composition G

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. See primer for steel surface preparation.

All surfaces must be free of oil, grease and moisture before blasting to near-white metal equivalent to Steel Structures Painting Council SP-10 or Swedish Standard Sa 2½. The minimum steel profile after blasting should be 2-6 mils in depth and be of a jagged nature as opposed to a peen pattern. Surfaces must be free of grit dust and all other contaminants. Prime with Amercoat 137 epoxy primer for non-skid.

If a holding primer is required, use Amercoat 137 primer. Primer or non-skid coating should be applied to cleaned surfaces as soon as possible to prevent re-rusting or contamination.

Mixing and Thinning

Amercoat 138HR Non-Skid Coating is a two-component product supplied in five gallon kits which contain the proper ratio of ingredients. Add the entire cure to the resin component while slowly mixing.

Mixed material may be thinned, if necessary, up to 5% by volume with T-10 or T-4 thinner. Thin only in compliance with local VOC and air quality regulations. Thinning may alter the ridge formation.

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	Low sheen	
Colors	Haze gray, Dark gray	
Components	2	
Curing mechanism	Solvent release and chemical reaction between components	
Volume solids (calculated)	82% ± 3%	
Coats	1	
Coverage/spreading rate	ft^2/gal	m^2/L
Practical	25-35	0.62-0.86
VOC (EPA)	lb/gal	g/L
mixed	1.40	168
Flash point (SETA)	°F	°C
Amercoat 138HR resin	104	40
Amercoat 138HR cure	123	51
T-10	80	27
T-4	100	38

Application Data

Applied over	Prepared and primed steel	
Primer	Amercoat 137	
Method	Roller only	
Mixing ratio (by volume)	5 parts resin to 1 part cure	
Pot life (hours)	77°F /25°C	
	2	
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-4, T-10
Equipment cleaner	T-4 or T-10

Shipping Data

Packaging units		5 gal monopack
Shipping weight (approx)	lb	kg
5-gal kit		
resin	8.0	3.6
cure	77.2	35

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™ 138HR

Application Equipment

Roller—Amercoat 138HR non-skid coating forms a hard non-skid ridge pattern when properly applied by roller. The roller should be napless, meaning a phenolic impregnated core or tube without a cloth covering.

Application Procedure

Stir each component thoroughly, then combine and mix slowly for 15 minutes until uniform.

If thinning is necessary for workability, add T-10. Thin in quantities up to ½ pint per gallon.

Do not mix more material than will be used within 2 hours at 70°F (21°C). Pot life is shortened by higher temperatures.

After mixing Amercoat 138HR non-skid coating according to the mixing instructions above. pour out about an 18" diameter "puddle" and roll in slow, straight strokes pulling the material toward you. Only roll in one direction to develop the proper ridge formation. Use moderate pressure and do not over roll or press down too heavily. Be sure the non-skid coating does not build up too thickly around obstructions such as welds and pad eyes. Material applied excessively may not cure properly. One gallon of Amercoat 138HR non-skid coating should cover approximately 25 to 35 square feet (12 to 15 square meters).

Amercoat 138HR non-skid coating will touch dry in 10 hours and cure hard in 24 hours at surface temperatures of 77°F. The strength of the ridge formation should be tested before allowing foot traffic on the painted areas. Seven days cure time at approximately 70°F should be allowed before heavy-duty vehicular traffic operates on the painted areas.

The cure time of our Amercoat coatings is a function of the surface temperature. The higher the temperature, the faster the cure- hard condition will occur. Conversely, the cooler the temperature of the surface, the longer it will take to achieve a cure-hard condition.

The surface temperature can be considerably higher and lower than the air temperature depending on the time of day and the amount of direct sun exposure. Excessively hot surfaces may cause paint defects. Excessively thick coatings will require longer cure times and result in defects, especially on hot surfaces.

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.

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.**

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