



Performance Coatings & Finishes

Amercoat® 5405HS

Alkyd enamel

Product Data/ Application Instructions

- Excellent durability, gloss, color retention

Typical Uses

Marine exterior areas such as freeboards, decks, houses and superstructures; interior areas such as engine rooms, passageways and equipment.

Surface Preparation

Coating performance is, in general, proportional to the degree of surface preparation. Refer to specifications for the specific primer being used. Prior to coating, all surfaces must be clean, dry, undamaged and free of all contaminants, including salt deposits. Refer to specific primer application instructions for more information. For conditions outside the requirements or limitations described, contact your Ameron representative.

Application Equipment

The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure, hose and tip size may be needed for proper spray characteristics.

Airless spray - Standard equipment such as Graco Bulldog Hydra-Spray 30:1 or larger with a 0.015- to 0.021-inch fluid tip.

Conventional spray - Industrial equipment such as DeVilbiss MBC or JGA spray gun with a 78 or 765 air cap and "E" fluid tip or Binks No. 18 or 62 spray gun with a 66 x 63 PB nozzle setup. Separate air and fluid pressure regulators, mechanical pot agitator and a moisture and oil trap in the main air supply line are recommended.

Brush - Natural bristle. Maintain a wet edge.

Roller - Industrial solvent resistant roller. Level any air bubbles with bristle brush.

Power mixer - Jiffy Mixer powered by an air or an explosion-proof electric motor.

Application Procedures

1. Clean all equipment with thinner.
2. Stir material thoroughly with mixer until uniformly blended. Strain through cheesecloth or equivalent to remove skin particles or other contamination.
3. If needed for workability, use up to 1/2 pint per gallon.
4. Apply a wet coat in even, parallel passes; overlap each pass 50 percent to achieve recommended dry film thickness. If required, cross spray pass at right angles.

Note: Do not apply when the relative humidity is high and condensation is possible. Substrate temperature must be 5°F (3°C) above dew point to prevent condensation. Drying will be retarded below 39°F (4°F).

5. Repair or touch up, respray large areas with original thickness, brush smaller areas.
6. Store unused materials in tightly closed containers. Partially filled containers may show surface skinning after storage. Remove skin by straining before use.
7. Clean all equipment immediately after use.

Physical Data*

Finish	Gloss
Color	See color card
Components	1
Curing mechanism	Solvent release and air oxidation
Dry film thickness per coat	1 1/2 mils (35 microns)
Coats	1 or 2
<i>When white or light colors specified, 2 coats may be required, depending on primer color.</i>	

Application Data

Applied over	Prepared and primed steel	
Primer	Bar-Ox® 429H, Amercoat 5105, 185 or 180	
Surface preparation	See specific primer	
Method	Airless or conventional spray, brush, roller	
Environmental conditions		
Temperature	°F	°C
air and surface	45 to 100	7 to 38
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.		
Drying time (ASTM D1640)	°F/°C	
(hours)	70/21	
hard	overnight	
recoat		
minimum	12	
maximum	Unlimited	
Thinner/Equipment cleaner	Amercoat 15, T-4	

**Contact your local supplier for coverage information.*

Repair

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

Safety Precautions

Read material safety data sheet before use. 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.

Shipping Data

Packaging	1- and 5-gal cans	
Shipping weight (approx)	lb	kg
1-gal can	10.5	4.7
5-gal can	52	23.6
Shelf life when stored indoors at 40 to 100°F (4 to 38°C)	1 year from shipment date	

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

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

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.

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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