

Amercoat® 601A

Non-flaming water-based enamel

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

- Fire retardant
- Exceeds U.S. Navy's Formula 124
- Passes thermoelectric flame test at 2300°F
- Low smoke density
- Water based, non-flammable
- Clean up with water
- No flash point, no objectionable odor
- Washable, wear resistant, fast drying
- Non-yellowing
- Available in a wide range of pastel colors
- Good adhesion to existing painted surfaces using Amercoat primer
- DOD-C-24596(SH); Type 1, Class 1 and 2, Application A and B
- Special order

Amercoat 601A Non-flaming water-based enamel is a high quality enamel designed for decorative application in interior areas where safety is a prime concern.

- No fire-hazardous solvent fumes
 - Safe on-board storage
- Full range of pleasing non-yellowing pastel colors is ideal for all living spaces and passageways. Amercoat 601A enamel can promote your Habitability Program.
- No messy application or clean-up problems
 - No special ventilation requirements
 - No obnoxious fumes
 - No masking-off of lagging required

Ideal product for new construction and on board crew application. It is unaffected by amine fumes.

Amercoat 601A does not protect combustible substrates. Not intended for residential or institutional use.

Surface Preparation

See primer for substrate surface preparation. The primer must be free of oil, grease, dirt and moisture.

When repainting old, painted surfaces, wash down with Prep 88 cleaner and rinse with fresh water.

Physical Data

Finish	Low semi-gloss	
Color	Soft White, Pastel Green, Bulkhead Gray	
Components	1	
Curing mechanism	Drying	
Volume solids (ASTM D2697)	45 ± 3%	
Dry film thickness per coat	1.5-3.0 mils (37-75 microns)	
Coats	1	
Theoretical coverage	ft ² /gal	m ² /L
1 mil (25 microns)	722	17.8
VOC (EPA 24)	0.93 lb/gal	112 g/L
Flash point	>200°F	>93°C

Application Data

Applied over	Prepared or Primed steel and aluminum	
Primers	epoxy, alkyd	
Method	Spray, brush, or roller	
Environmental conditions		
Temperature	°F	°C
air	45 to 110	7 to 43
surface	45 to 120	7 to 49
Relative humidity	maximum 85%	
45 to 100°F		
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.		
Drying time (ASTM D1640) @ 2 mils	°F/°C	
	77/25	
touch (minutes)	30	
recoat minimum (hours)	2-4	

Note: At 50°F or below and at relative humidity above 70%, drying time is extended.

Thinner	None
Equipment cleaner	Fresh water

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 or larger with a 0.015- to 0.019-inch spray tip.

Conventional spray – Industrial equipment, such as DeVilbiss, JGA 502 or Binks BBR spray gun. Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

Brush – Natural bristle. Maintain a wet edge.

Roller – Industrial roller. Level any air bubbles with bristle brush.

Power mixer – Jiffy Mixer

Application Procedure

1. Flush equipment with fresh water before using.
2. Stir material thoroughly to a workable consistency to ensure suspension of pigments. do not put on a paint shaker.
3. DO NOT THIN.
4. Apply a wet coat in even, parallel passes; overlap 50 percent to avoid bare areas, pinholes and holidays. If required, cross spray at right angles to first pass.
5. Ventilate with clean air during application and drying. Temperatures and relative humidity of ventilating air will affect drying times. Avoid contact with water or condensation on the coating surface until dry through; otherwise, surface discoloration may occur.
6. Clean all equipment immediately after use with clean water or water and detergent.

Shipping Data

Packaging 1 gal and 5 gal

Shipping weight (approx)	lb	kg
1 gal	11.4	5.2
5 gal	56.5	25.6

Shelf life when stored indoors at 40 to 100°F (4 to 38°C)
1 year from shipment date

Protect from freezing (freeze/thaw cycle - 5 minutes).

Numerical values are subject to normal manufacturing tolerances, color and testing variances. Allow for application losses and surface irregularities. See application instructions for complete information and safety precautions.

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

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.

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 mist 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 interior and buildings.

This product is to be used by those knowledgeable about proper application methods. PPG 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 PPG 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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