

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

- Economical antifouling protection.
- Contains a specially balanced level of cuprous oxide for prevention of fouling
- Fully compatible with most anticorrosive coatings

Typical Uses

ABC 4 is used on coated steel hulls on seagoing vessels, workboats and barges.

Application Data

Adhere to all application instructions, precautions, conditions and limitations to obtain the maximum performance. For conditions outside the requirements or limitations described, contact your PPG representative.

Surface Preparation

Coating performance, in general, is proportional to the degree of surface preparation. Refer to anticorrosive coating being applied.

Dependent upon condition of hull and existing antifouling; surface cleaning will vary from high pressure water cleaning to abrasive blasting. After immersion service of ABC 4 high pressure water wash is required prior to topcoating with additional ABC 4.

Apply over suitable primer system or clean, intact, existing bottom system.

Steel – Prepare surface in accordance with instructions for anticorrosive coating to be used.

Aluminum – Prepare surface in accordance with instructions for primer to be used. At least 3 coats of primer for a total film thickness of 20 mils (500 microns) is recommended. Suitable primers include Amercoat 238, 235, 370, and 385. Improperly primed surfaces or failure to immediately repair damaged primer will result in rapid galvanic corrosion of the aluminum hull.

Cleaning After Service

Non-fouled surfaces-high pressure water wash.

Existing fouled surfaces – Remove fouling by scraping and/or sand sweeping. Loose paint should be removed by high-pressure water wash. Tightly adhering anticorrosive and antifouling coating may remain.

Note – If applying antifouling coating over epoxy or coal-tar epoxy anticorrosive coatings, apply the first coat of antifouling while the anticorrosive (epoxy or coal-tar epoxy) is tack free but still soft to finger pressure. If the epoxy or coal-tar epoxy has cured too hard, apply another thin coat of epoxy or coal-tar epoxy within the recommended recoat intervals, and then apply the antifouling coating. Failure to apply the antifouling coating while the anticorrosive is still soft to finger pressure may result in poor adhesion between coatings and the eventual delamination of antifouling from the anticorrosive.

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 0.021- to 0.25-inch fluid tip.

Physical Data

Finish	Flat	
Color	Red, brown, black, blue, green	
Components	1	
Curing mechanism	Solvent release	
Volume solids (ASTM D2697, modified)	64% ± 3%	
Dry film thickness per coat	3-5 mils (75-125 microns)	
Coats	1 or 2	
Theoretical coverage	ft ² /gal	m ² /L
1 mil (25 microns)	946	23.2
2.5 mils (65 microns)	378	9.3
VOC	lb/gal	g/L
ABC 4	2.6	312
Thinned	3.1	374
Flash point (SETA)	°F	°C
ABC 4	82	28
Amercoat 65	78	25
Amercoat 101	145	63

Application Data

Applied over	Prepared and primed steel or aluminum
Surface preparation	See anticorrosive product literature
Method	Airless or conventional spray

Environmental conditions		
Temperature	°F	°C
air and surface	0 to 120	-18 to 49

Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.

Drying and cure time @ 3 mils (75 microns) (hours)					
	°F/°C				
	120/49	90/32	70/21	50/10	32/0
recoat	1	2	4	8	12
before immersion	2	4	6	10	24
Thinner					
below 70°F (21°C)	65				
above 70°F (21°C)	101				
Equipment cleaner	65				

Formerly Amercoat 73SP

Conventional spray – Industrial equipment such as DeVilbiss MBC or JGA spray gun. Separate regulators for air and fluid pressure, mechanical pot agitator and a moisture and oil trap in the main air supply line are recommended.

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

Application Procedure

1. Clean all application equipment with Amercoat 65.
2. Stir material thoroughly and continue stirring during application to insure pigment suspension.
3. Thin only for workability; no more than 1 pint Amercoat 65 or 101 per gallon of ABC 4.
4. Apply a wet coat in even, parallel passes; overlap each pass 50 percent to avoid pinholes, bare areas or holidays. Give special attention to weld seams, rough or badly pitted areas. If required, cross spray at right angles.
5. For touch-up and repair, apply additional material after removing dirt, contaminants or old loose coatings or antifouling.
6. Allow 4 hours drying time at 70°F (21°C) before applying second coat.
7. Before immersing, allow ABC 4 to dry at least 6 hours at 70°F (21°C).
8. Clean application equipment immediately after use with Amercoat 65.

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.

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. 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.

Shipping Data

Packaging	1- and 5-gal containers	
Shipping weight (approx)	lb	kg
1-gal unit	16.5	7.5
5-gal unit	100.5	45.5
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.

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

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