



AMERON
INTERNATIONAL

Performance Coatings & Finishes

ABC[®] #2

Self-Polishing Antifouling Coating

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

- Contains high levels of cuprous oxide
- Contains organic biocide
- Unique self-polishing mechanism prevents attachment of fouling organisms
- Provides long-life protection against fouling even under severe fouling conditions.
- Unique self-polishing action smooths surfaces; helps reduce drag resistance

Typical Uses

Maximum long-life protection against fouling

Service in severe fouling waters

Extended drydocking intervals

Upgrading existing antifouling coating systems

Reduction of operating and drydocking costs

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 Ameron 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 #2, high pressure water wash is required prior to topcoating with additional ABC #2.

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

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

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.

Physical Data

Finish	Flat	
Color	Red, black, blue	
Components	1	
Curing mechanism	Solvent release	
Volume solids		
(Modified) (ASTM D2697)	55% ± 3%	
Dry film thickness per coat	4 - 6 mils (75 - 150 microns)	
Coats	1 or 2	
Theoretical coverage	ft ² /gal	m ² /L
1 mil (25 microns)	882	22.0
VOC (EPA 24)	lb/gal	g/L
ABC #2	3.33	399
Flash point (SETA)	°F	°C
ABC #2	80	27
T-10	80	27

Application Data

Applied over	Coated steel,				
Surface preparation	See anticorrosive product literature				
Method	Spray, roller, or brush				
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)	T-10				
Equipment cleaner	T-10				

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.

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 T10 thinner.
2. Stir material thoroughly and continue stirring during application to ensure pigment suspension.
3. Thin only for workability; no more than 1 pint T-10 thinner per gallon of ABC #2.
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 antifoulings.
6. Allow 4 hours drying time at 70° F before applying second coat.
7. Before immersing, allow ABC #2 to dry at least 6 hours at 70° F.
8. Clean application equipment immediately after use with T-10 thinner.

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. 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. Not for use in Ventura County, California.

Shipping Data

Packaging	5-gal containers	
Shipping weight (approx)	lb	kg
5-gal unit	81.0	9.7

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.

Warranty

This warranty pertains to a product containing chemicals required to be registered with the U.S. Environmental Protection Agency and supersedes Section 6 of Ameron Marine Protective Coatings Division's Standard Terms and Conditions of Sale as listed on the invoice.

Ameron warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use, subject to the inherent risks referred to below. **Ameron makes no other warranty express or implied of fitness or merchantability or any other express or implied warranty.** If a product does not conform with this warranty, Buyer must notify Ameron within five days of discovery of the defect, but in no event later than one year after delivery date or the expiration of the applicable shelf life, whichever is shorter. Ameron's sole obligation under this warranty shall be at its option, to credit Buyer's account, or to supply replacement material or repair.

Failure to notify Ameron of nonconforming goods under this warranty, within the time specified above, shall bar Buyer from recovery hereunder. In no case shall Ameron be liable for consequential, special, indirect, punitive or other damages resulting from the use or handling of this product. Ameron offers this product and Buyer accepts it, subject to the conditions of sale and warranty which may be varied only by a written agreement signed by a duly authorized representative of Ameron.

The directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. In effectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond Ameron's control. All such risks are assumed by Buyer.

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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