



AMERON
INTERNATIONAL

Performance Coatings & Finishes

ABC[®] #3

High-performance tin-free self-polishing antifouling coating

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

- Contains high levels of cuprous oxide
- Unique self-polishing mechanism prevents attachment of fouling organisms
- Provides long-life protection, even under severe fouling conditions
- Smoothing action helps reduce drag resistance
- Available in contrasting colors
- Suitable for most vessels in a wide range of operating environments

Typical Uses

ABC #3 ablative antifouling coating is recommended:

where long-life fouling protection in severe service is required;

where reduction in operating costs and extended drydocking intervals is desirable;

where regulations ban or restrict the use of organotin compounds;

where maximum compatibility with a wide range of bottom systems or other special surfaces is required

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 #3, high pressure water wash is required prior to topcoating with additional ABC #3.

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

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.

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

Physical Data

| | | |
|-----------------------------|----------------------------|-------------------|
| Finish | Flat | |
| Color | Black, red, blue | |
| Components | 1 | |
| Curing mechanism | Solvent release | |
| Volume solids (ASTM D2697) | 52% ± 3% | |
| Dry film thickness per coat | 4-6 mils (100-150 microns) | |
| Coats | 1 or 2 | |
| Theoretical coverage | ft ² /gal | m ² /L |
| 1 mil (25 microns) | 834 | 20.8 |
| VOC (EPA 24) | lb/gal | g/L |
| ABC #3 | 3.3 | 396 |
| Flash point (SETA) | °F | °C |
| ABC #3 | 83 | 28 |
| T-10 | 80 | 27 |

Application Data

| | |
|---------------------|--------------------------------------|
| Applied over | Coated steel, |
| Surface preparation | See anticorrosive product literature |

| | |
|--------|------------------------|
| Method | Brush, roller or 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 | 5 | 10 | 24 |
| 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 T-10.
2. Stir material thoroughly and continue stirring during application to insure pigment suspension.
3. Thin only for workability; no more than 1 pint T-10 or 101 per gallon of ABC #3.
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 77°F (25°C) before applying second coat.
7. Before immersing, allow ABC #3 to dry at least 5 hours at 77°F (25 °C).
8. Clean application equipment immediately after use with T-10.

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 | 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.

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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