



AMERON
INTERNATIONAL

Performance Coatings & Finishes

Amercoat® 279

Registration No.: 21559 Pest Control Product Act
Commercial Guarantee: Cuprous oxide 31.25%

Chlorinated polymeric antifouling

Product Data/ Application Instructions

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

Typical Uses

Amercoat 279 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 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 Amercoat 279, high pressure water wash is required prior to topcoating with additional Amercoat 279.

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, brown, black, blue, green	
Components	1	
Curing mechanism	Solvent release	
Volume solids (calculated)	59% ± 3%	
Dry film thickness per coat	2-3 mils (50-75 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
Amercoat 279	2.7	324
Thinned	3.2	388
Flash point (SETA)	°F	°C
Amercoat 279	82	28
Amercoat 65	78	25
Amercoat 101	145	63

Application Data

Applied over	Coated steel,				
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	Standard				
below 70°F (21°C)	65 hours				
above 70°F (21°C)	101 hours				
Equipment cleaner	65 hours				

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 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 Amercoat 279.
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 before applying second coat.
7. Before immersing, allow Amercoat 279 to dry at least 6 hours.
8. Clean application equipment immediately after use with Amercoat 65.

Note – If applying Amercoat 279 over Amercoat 78HB, 83A/84 or 83AE/84E coatings, allow them to dry until the surface is tacky or soft to nail pressure. Amercoat 279 may be applied within 4 hours at 27°C and above and up to 48 hours at 10°C and below.

Precautionary Statements

Hazards to Humans and Domestic Animals – Warning! – Causes eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear protective clothing such as gloves, long-sleeved cotton shirt, long pants and hat. May be fatal if swallowed or inhaled. Do not breathe vapors, spray mist or sanding dust. Wear a NIOSH/MSHA certified mask or respirator. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

First aid – If swallowed: drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention. If inhaled: remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. If in eyes: flush with plenty of water. Get medical attention. If on skin: wash with plenty of soap and water. Get medical attention.

Note to physician – Probably mucosal damage may contraindicate the use of gastric lavage.

Environmental hazards – Toxic to aquatic organisms. Do not contaminate water by cleaning of equipment, or disposal of wastes. Do not allow chips or dust generated during paint removal to enter water.

Hygienic practices – Wash thoroughly after use and before eating, smoking or using washroom. Keep away from feed or food products. Launder contaminated clothing before use. Use protective barrier cream on exposed skin.

Physical or chemical hazards – Flammable. Vapors heavier than air cause health and explosion hazards. Keep away from heat, sparks, arc and open flame. In case of spillage, eliminate all sources of ignition. Avoid contact with eyes, skin and clothing. Do not breathe vapors or spray mist. Use an air-fed respirator with full face mask during handling and applying. Wear chemical resistant gloves and footwear and chemical resistant clothing at all times during handling and applying.

Fire – Blanket flames with dry chemical, carbon dioxide or foam. Wear self-contained, breathing apparatus. Closed containers may explode when exposed to extreme heat.

Spillage – Eliminate all sources of ignition or sparks. Use absorbent cleanup materials. Place in separate, closed, metal container.

Storage and disposal – Store in cool, dry, well-ventilated area. Keep container closed and upright to prevent leakage. Dispose of in separate, closed, metal container in accordance with all applicable regulations.

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
4-gal unit	80.8	36.7

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.



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