AMERCOAT®

Amercoat[®] 214

Low VOC antifouling coating

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

- Low VOC
- Contains no organotin compounds
- High cuprous oxide content
- High-performance for heavy-duty service
- Compatible with epoxy bottom systems
- High durability for long service life in normal fouling waters

Typical Uses

Recommended for use with Amercoat epoxy bottom systems. Recommended where regulations ban or restrict the use of organotin compounds.

Recommended where up to 24 months service is required in normal fouling waters.

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 PMC 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 214, high pressure water wash is required prior to topcoating with additional Amercoat 214.

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

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

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.

Physical Data

Finish	Flat		
Color	Black, red		
Components	1		
Curing mechanism	Solvent release		
Volume solids (ASTM D2697)	$52\% \pm 3\%$		
Dry film thickness per coat	3-4 mils (75-100 microns)		
Coats	1 or 2		
Theoretical coverage 1 mil (25 microns)	ft²/gal 834	m²/L 20.8	
VOC (EPA 24) Amercoat 214	lb/gal 3.33	g/L 399	
Flash point (SETA)	°F	°C	
Amercoat 214	78	25.5	
T-10	80	27	

Application Data

Applied over	Coated steel	Coated steel		
Surface preparation	See anticori literature	See anticorrosive product literature		
Method	Spray, roller	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	on.			

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			

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 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 T10 or 101 per gallon of Amercoat 214.
- 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 Amercoat 214 to dry at east 5 hours at 77°F (25°C).
- 8. Clean application equipment immediately after use with T-10.

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of both components. Safety precautions must be strictly followed during storage, handling, and use.

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

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 solvent 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 and space, of which PPG is unaware and over which it has no control.

If you do not fully understand the warnings and instructions or if you cannot strictly comply with them, do not use the product.

This product is for industrial use only. Not for residential use in California.

Shipping Data

1- and 5-gal containers		
lb 16 5	kg 7 5	
100.5	45.5	
	1- and 5-g lb 16.5 100.5	

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.

