



ABC #3

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Ablative Antifouling Coating

Product Data

Typical Uses

ABC#3 is used on coating hulls of pleasure craft, seagoing vessels, workboats and barges. ABC#3 is used where long-life fouling protection in severe service is required. ABC#3 is recommended where regulations ban or restrict the use of organotin compounds and also where maximum compatibility with a wide range of bottom systems or other special surfaces is required.

Not suitable for use on aluminium craft, stern legs or outboards.

No person may use ABC #3 Antifouling for any purpose other than as an antifouling paint to prevent, by the slow release of biocides, the build up of aquatic organisms on the hulls of vessels or other surfaces in contact with water.

ABC #3 Antifouling shall not be used on structures wher food for human consumption is being produced.

HSNO APPROVAL No: HSR07023

NOTE – If applying ABC #3 antifouling over epoxy coating, apply first coat of antifouling while epoxy is tack free, but still soft to thumb nail. A fresh coat of epoxy will need to be applied if the cure has gone past this point. At temperatures above 10 deg C, the topcoating time will be between 5 and 10 hours. Failure to apply antifouling coating while anticorrosive epoxy is still soft may result in poor adhesion between coatings, and delamination of antifouling from the anticorrosive.

(The epoxy primer is thumbprint soft when you can press your thumb into the coating using moderate pressure and leave a slight print in the surface of the epoxy. If any coating transfers to your thumb, the epoxy is still too green and should not be topcoated. If there is no thumbprint whatsoever, but you can indent it with your fingernail, it is near the end of the topcoat window and application of ABC #3 must start immediately. If you cannot indent the epoxy with your fingernail, then let it cure to recoat and apply an additional mist coat of epoxy and allow it to cure to a thumbprint soft condition prior to application of ABC #3).

NB – The colour of the antifouling will change after immersion.

Physical Data

Finish	Flat			
Colours	Red, Black, Blue			
Active ingredients	Cuprous Oxide, Zinc Oxide, Ziram			
Substrate	Coated steel, fibreglass, wood and ferro cement			
Components	1			
Curing mechanism	Solvent release			
Dry film thickness	100 - 150µm per coat			
Number of coats	2 or 3			
Volume solids	52% (ASTM D2697; 7 day)			
VOC	21% BY WEIGHT / 399 g/L			
Specific gravity	1.93 kg/L			
Calculated coverage	5.2 m ² /L at 100µm			
Allow for application losses, surface irregularities etc.				
Application methods	Spray, brush or roller			
Min substrate temp	3°C above dew point			
Drying times at 100µm in hours				
	30°C	20°C	10°C	0°C
Dry to recoat (minimum)	3	5	10	20
Before launch (minimum)	4	6	12	20
Maximum recoat time	Not restricted			
Maximum before launch	Not restricted			
Drying times are dependent on temperature, ventilation, relative humidity, coating thickness etc.				
Thinner	Thinning is not recommended			
Cleaner	Thinner 475			
Flash points (closed cup)				
ABC3	25°C			
Thinner 475	25°C			
Packaging	4L containers			
Shipping weight	Approximately 8kg for 4L			
Shelf life	2 years from shipment date when stored indoors in unopened, original containers at 5 to 40°C			

Application Instructions

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 Industries representative.

Surface Preparation

Coating performance in general is proportional to the degree of surface preparation. Refer to the anticorrosive coating being applied. Depending on the conditions of hull and existing antifouling, surface cleaning will vary from high pressure fresh water cleaning to abrasive blasting. After immersion service of ABC#3, high pressure fresh water wash is required prior to topcoating with additional ABC#3. Apply over suitable primer system or clean, intact, existing bottom system.

Where primer / undercoat has failed, consult your PPG Industries technical representative.

Application Equipment

The following equipment is listed as 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 airless spray equipment, such as Graco Bulldog Hydra-Spray or larger with a 0.53 to 0.63mm 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.

Mixer – Use power mixer powered by an air motor or an explosion proof electric motor.

Application Procedure

1. Clean all application equipment with Thinner 475.
2. Stir material thoroughly and continue stirring during application to ensure pigment suspension.
3. Thinning is not recommended.
4. Apply a wet coat in even, parallel passes; overlap each pass 50% 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, old loose coatings or antifoulings.
6. Allow 4 hours drying time at 20°C before applying second coat.
7. Before immersing, allow ABC#3 to dry at least 6 hours at 20°C.

Clean application equipment immediately after use with Thinner 475.

Cleaning after Service

Non-fouled surfaces – High pressure fresh water wash.

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

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

This product is flammable. Keep away from heat and open flame. Keep container closed. Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to health.

1. Circulate adequate fresh air continuously during application and drying.
2. Use fresh air masks and explosion proof equipment.
3. Prohibit all flames, sparks, welding and smoking.

Do not empty into drains. Take precautionary measures against static discharges. For specific information on hazardous ingredients, required ventilation, possible consequences of contact, exposure and safety measure see Safety Data Sheet.

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 vapour 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 Industries makes no recommendation about the types of safety measure that may need to be adopted because these depend on application environment and space, of which PPG Industries 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.

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.

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