

ABC® 3

DESCRIPTION

One-component, high-performance, self-polishing antifouling

PRINCIPAL CHARACTERISTICS

- 30+ years of proven performance
- Controlled ablation rate due to unique binder formulation
- Smoothing action helps reduce drag resistance
- No maximum time to launch
- Suitable for a wide range of operating environments
- Tin-free formulation
- Capable of 60-month performance

COLOR AND GLOSS LEVEL

- Red, black, light blue
- Flat

Note: Colors may vary from batch-to-batch

BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	56 ± 2%
VOC (Supplied)	max. 3.3 lb/US gal (approx. 396 g/l)
Recommended dry film thickness	4.0 - 6.0 mils (100 - 150 µm) depending on system
Theoretical spreading rate	225 ft ² /US gal for 4.0 mils (5.6 m ² /l for 100 µm)
Shelf life	At least 18 months when stored cool and dry

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specific primers and intermediate coats for application and curing procedure. All previous coats must dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats

Substrate temperature and application conditions

- Surface temperature during application should be between 0°F (-18°C) and 120°F (49°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 0°F (-18°C) and 120°F (49°C)
- Relative humidity during application and curing should not exceed 85%



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SYSTEM SPECIFICATION

- Primers: AMERCOAT 370, AMERCOAT 385, AMERLOCK 2/400, AMERCOAT 235, AMERCOAT240, AMERCOAT 240LT, SIGMACOVER 280, SIGMACOVER 520
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INSTRUCTIONS FOR USE

- Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing
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Application

- Area should be sheltered from airborne particulates and pollutants
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns

Material temperature

Material temperature during application should be between 40°F (4°C) and 90°F (32°C)

Air spray

- Use standard conventional equipment
- A moisture and oil trap in the main line is essential. Product is sensitive to moisture contamination

Recommended thinner

THINNER 91-82 (AMERCOAT T-10)

Volume of thinner

0 - 10%

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Airless spray

- 45:1 pump or larger

Recommended thinner

THINNER 91-82 (AMERCOAT T-10)

Nozzle orifice

0.019 – 0.023 in (approx. 0.48 – 0.58 mm)

Brush/roller

- Use a high quality natural bristle brush and/or solvent resistant, 1/4" or 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment. Multiple coats may be necessary to achieve adequate film-build
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Cleaning solvent

AMERCOAT 12 CLEANER or AMERCOAT T-10 THINNER

ADDITIONAL DATA

Overcoating interval for DFT up to 6.0 mils (150 µm)					
Overcoating with...	Interval	32°F (0°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	20 hours	10 hours	5 hours	3 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Note: Protect hull from heavy impact and abrasion for at least 72 hours

Curing time for DFT up to 6.0 mils (150 µm)	
Substrate temperature	Service- water immersion
33°F (1°C)	24 hours
50°F (10°C)	12 hours
70°F (21°C)	6 hours
90°F (32°C)	4 hours

Product Qualifications

- Mil-PRF-24647
- ABS type approval as a tin-free antifouling

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431

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WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG 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 of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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Packaging: Available in 1-gallon and 5-gallon kits

Product code	Description
ABC3-41	Light Blue
ABC3-72	Red
ABC3-92	Black

Note: Light Blue (special order)

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