

ABC® 4

DESCRIPTION

One-component, tin-free, self-polishing antifouling

PRINCIPAL CHARACTERISTICS

- Economical antifouling protection
- Suitable for a wide range of operating environments
- Tin-free formulation
- Capable of performance for up to 60 months on flat bottoms

COLOR AND GLOSS LEVEL

- Red, black, light blue
- Flat

Note:

- Colors may vary from batch-to-batch

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Volume solids	64 ± 2%
VOC (Supplied)	max. 3.2 lb/US gal (approx. 380 g/l)
Recommended dry film thickness	4.0 - 6.0 mils (100 - 150 µm) depending on system
Theoretical spreading rate	257 ft ² /US gal for 4.0 mils (6.4 m ² /l for 100 µm)
Shelf life	At least 18 months when stored cool and dry

Notes:

- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time

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)



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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
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Material temperature

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

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

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)

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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

Recommended thinner

AMERCOAT T-10

Cleaning solvent

- THINNER 90-58 (AMERCOAT 12)

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	8 hours	4 hours	2 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
32°F (0°C)	24 hours
50°F (10°C)	12 hours
70°F (21°C)	6 hours
90°F (32°C)	4 hours

Product Qualifications

- ABS type approval as a tin-free antifouling

SAFETY PRECAUTIONS

- 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
- See Safety Data Sheet and product label for complete safety and precaution requirements



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WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & 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

- Information sheet | Explanation of product data sheets

WARRANTY

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AVAILABILITY OF PACKAGING

Depending on specific country of application the following versions are available:

Product	Color
ABC4-4	Blue
ABC4-7	Red
ABC4-9	Black

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