

# 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 <sup>2</sup> /US gal for 4.0 mils (5.6 m <sup>2</sup> /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)

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### 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)

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### 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
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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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## LIMITATIONS OF LIABILITY

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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)