

SELECTION & SPECIFICATION DATA

Generic Type	High performance, tin-free, self-polishing antifouling
Description	A multi-season antifouling that combines controlled polishing ablative technology with a high copper content to provide a paint film strong enough to handle the tough marine environment from coast to coast. It provides long term protection and fuel efficiency in harsh marine environments.
Features	<ul style="list-style-type: none"> • High-copper ablative protection • Smooth polishing finish • Compatible over most bottom paints • VOC compliant • Meets IMO standards as a TBT-Free Anti-Fouling System
Color	Blue (0100), Red (0500), Black (0900)
Finish	Flat
Dry Film Thickness	4 - 6 mils (102 - 152 microns) per coat A minimum of two coats is recommended.
Solids Content	By Volume 52% +/- 2%
Theoretical Coverage Rate	834 ft ² /gal at 1.0 mils (20.5 m ² /l at 25 microns) 209 ft ² /gal at 4.0 mils (5.1 m ² /l at 100 microns) 139 ft ² /gal at 6.0 mils (3.4 m ² /l at 150 microns) Allow for loss in mixing and application.
VOC Values	As Supplied : 2.75 lbs./gal (330 g/l) These are nominal values and may vary with color

SUBSTRATES & SURFACE PREPARATION

General	Surfaces <u>must</u> be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
Steel	Steel <u>must</u> be primed with appropriate primer as recommended for the application.
Fiberglass	Should be cleaned several times with a fiberglass de-waxer. Sand with 80-grit paper or equivalent to a dull, frosty appearance. Re-wash surface to remove sanding residue and apply 2-3 coats of antifouling.

MIXING & THINNING

Mixing	This product contains cuprous oxide. As a result, there is a tendency for settling to occur. It is necessary to thoroughly power mix before using. Check the bottom and sides of the can to ensure all the pigment has been mixed in. It is recommended to pour off half the liquid into a second container and thoroughly mix in any settled pigments. Then remix the two parts together again. Stir occasionally during use to redistribute any settling that may occur during application.
Thinning	Normally not required, contact Carboline Technical Service for more information
Pot Life	Indefinite

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Spray Application (General) | Prior to use, flush all equipment with Thinner 2.

Conventional Spray | Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.070" I.D. fluid tip and appropriate air cap.

Airless Spray | Pump Ratio: 30:1 (min.)*
 GPM Output: 3.0 (min.)
 Material Hose: 3/8" I.D. (min.)
 Tip Size: 0.017-0.019"
 Output PSI: 1700-2100

*PTFE packings are recommended and available from the pump manufacturer.

Brush & Roller (General) | Spray application is recommended. However, application by roller is acceptable. Use only a high-quality roller cover. It can be applied with 3/8" roller. For smoother finish, use a short nap mohair roller with solvent-resistant core. Avoid re-rolling. Take care to apply uniform coats.

Maximum roller thickness: 3/16"

APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	40°F (4°C)	40°F (4°C)	0%
Maximum	90°F (32°C)	110°F (43°C)	105°F (41°C)	95%

Do not apply when the surface temperature is less than 5°F (3°C) above the dew point. Special thinning and application techniques may be required above or below normal application conditions.

CURING SCHEDULE

Surface Temp.	Dry to Recoat	Cure for Service
50°F (10°C)	6 Hours	16 Hours
70°F (21°C)	3 Hours	10 Hours
90°F (32°C)	1.5 Hours	6 Hours

These times are based on a 4 mil (100 microns) dry film thickness and 40-60% relative humidity. Higher film thicknesses, insufficient ventilation, high humidity or cooler temperatures will require longer cure times. The above times are minimum cure times.

Special Note: Antifoulants are typically applied over epoxy anti-corrosive coatings. The optimum time to topcoat with an antifoulant is when the epoxy is "touch-tacky". If the touch-tacky time has been exceeded you can generally reprime/refresh the first coat of epoxy with a fresh coat of itself (check specific data sheet). The longer the epoxy has to cure, particularly in sunlight exposure or elevated temps, the higher risk of inadequate adhesion. **If those maximum recoat times have been exceeded, the surface must be abraded by sweep blasting or sanding prior to the application of additional coats. Contact your local Carboline Marine Representative for assistance/guidance.**

CLEANUP & SAFETY

Cleanup | Use Thinner 2 or Thinner 10

CLEANUP & SAFETY

Safety | Read and follow all caution statements on this product data sheet and on the SDS for this product.

PACKAGING, HANDLING & STORAGE

Shelf Life | 12 months at 75°F (24°C)

Storage Temperature & Humidity | 40 - 100°F (4 - 38°C)
0-90% Relative Humidity

Storage | Store in a cool, dry well-ventilated area. Keep container closed and upright when not in use to prevent leakage.

Shipping Weight (Approximate) | 1 Gallon: 18.5 lbs (8.39 kg)
5 Gallons: 90 lbs (40.8 kg)

Flash Point (Setaflash) | >105°F (>40°C)

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.