

## Nano-Based Technology

- Copper-Free, Tin-Free and Solvent-Free
- Environmentally friendly
- UV-reactive biocide



## Copper-Free Nano-Based Technology 4500 Series



OVER  
40  
YEARS

## PRODUCT DESCRIPTION

Copper and Solvent-Free (CSF) ablative, self-polishing antifoulant. Enhanced, Nano-Based Technology copolymer, biocide release mechanism. Prevents coating buildup and reacts with UV light. Mission Bay CSF may be used on aluminum hulls without the use of a traditional barrier coat system.



## PRODUCT INFORMATION

**Colors:** Black 4505, Bright Blue 4502, Bright Green 4503, Bright White 4510

**Finish/Sheen:** Semi-gloss

**Converter:** One Pack

**Copper Content:** 0% all colors

**Volume Solids:** 44% ± 2%

**Solids by Weight:** 65%

**Shipping Weight:** Black - 13.25 Lbs/Gal (6.01 kg/Gal)  
Bright Blue - 13.20 Lbs/Gal (5.98 kg/Gal)  
Bright Green - 13.02 Lbs/Gal (5.9 kg/Gal)  
Bright White - 13.26 Lbs/Gal (6.014 kg/Gal)

*\*All colors are not available in all states*

**Mix Ratio:** One Pack

**Flash Point:** N/A

**VOC:** 113 Grams/Liter

**Film Thickness:** 5 mils (127 μ) wet equals 2.75 (69.85 μ) dry per coat

**Recommended Coats:** 3 full coats on entire hull

**Theoretical Coverage:** 320 sq.ft./gal. (29.73 m<sup>2</sup>) @ recommended film thickness

## FEATURES & BENEFITS

- Water-Based Bottom Paint
- Safest, environmentally-friendly antifouling paint on the market
- Over 80% lower VOC's than solvent-based
- Completely eliminates the leaching of copper compounds into the environment
- Ablative and self-polishing
- No barrier coat needed over most antifouling paints
- Ideal for all types of craft – fiberglass to aluminum



# MISSION BAY CSF™

## Technical Data Sheet

- Helps prevent electrolysis
- Four brilliant colors
- No mud cracking

### APPLICATION DETAILS

**Method:** Brush, roller or spray

**Induction/Sweat-in Time:** Not applicable

**Thinner:** Water, maximum 10%.

**Cleaner:** Water

**Pot Life:** Not applicable

**Overcoating Intervals (Drying time in hours):**

Substrate Temp.	Touch Dry	Overcoating Time		Launch
Temp F° (C°)	Min	Min	Max	Min
73° F (23° C)	2 hrs	1 hrs	N/A	12 hrs
95° F (35° C)	1 hrs	1 hrs	N/A	12 hrs

Consult your Sea Hawk Representative for the system best suited for surfaces to be protected.

### APPLICATION DATA

Apply by brush, roller or spray. Apply 5 mils (125 µ) wet, which will yield 2.75 mils (69.85 µ) dry per coat.

**Equipment:**

Brush: China Bristle

Roller: Solvent Resistant Roller Cover 3/8" pile smooth to medium Prewash Roller Cover to remove loose fibers prior to use.

**Airless:**

Spray: Minimum 33:1 -2 GPM ratio pump; "0.017-0.026" (0.43-0.66 mm) orifice tip; 3/8" ID high-pressure material hose; 90 PSI line pressure; 60 mesh filter.

**Thinning:** If thinning is necessary, thin up to a maximum of 10%, with water.

**Cleaning:** Clean all equipment immediately after use with water. It is a good practice to periodically flush out spray equipment during the course of the day. Frequency should depend upon amount sprayed,

temperature, elapsed time including delay, etc.

**Safety:** Prior to use, obtain and consult the "Safety Data Sheet" of this product for health and safety information. Read and observe all precautionary notices on container labels

### SURFACE PREPARATION

Paint only clean, dry surfaces. Remove all grease, oil, wax, or other foreign material using Sea Hawk S-80, S-90, or detergent washing. (SSPC-SPI).

**New Construction:** Dependent on yard procedures, consult your Sea Hawk Representative.

**Previously Painted Surfaces:** If previous coating is known to be compatible (See [Sea Hawk Compatibility Chart](#)) and in good condition, scuff sand with 80 grit sandpaper then solvent clean with Sea Hawk S-80 Wax "N" Greaser to remove residue. In poor condition remove antifouling with Sea Hawk 1280 Marine Stripper.

### LIMITATIONS

Apply in good weather when air and surface temperatures are above 50° F (10° C). Surface temperature must be a least 5° F (1° C) above dew point. For optimum application properties, bring material to 70-80° F (21-27° C) temperature range prior to mixing and application. Unmixed material (in closed containers) should be maintained in protected storage between 40° and 100°F (4-38° C).

Prolonged atmospheric exposure of this product may detract from performance.

Technical and application data herein is for the purpose of establishing a general guideline of the coating and proper coating application procedures. As application, environmental and design factors can vary significantly due care should be exercised in the selection, verification of performance, and use of the coating.