



Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

TECHNICAL DATA SHEET

SEAGUARD 50-3 VINYL HIGH LOAD COPPER ANTIFOULING PAINT

DESCRIPTION: A physical drying long life antifouling based on vinyl resin and a high content of cuprous oxide biocide that prevents marine growth on ships in cold water areas to subtropical ports. It prevents settlement of bacterial, shell and weed fouling for prolonged periods. It can protect for approximately 30 months when two coats (3.0 mil. each) of the paint are applied according to Simco's method of application with Simco's recommended primers. It is recommended for use on fish and seafood boats, barges, ships and drilling vessels. It should not be used on boats that are taken out of the water often, as the effectiveness of the anti-foulant decreases when removed from water. It is suitable for steel, and fiberglass substrates.

TECHNICAL DATA

FINISH:	Satin Finish
COLOR:	Red Brown, Black, Blue, and Dark Brown
FLASH POINT:	61°F
SOLIDS BY VOLUME:	45 - 47% (Depending on the color)
VOC (VOLATILE ORGANIC COMPOUNDS):	3.8 lbs./gallon or 455 g/l
THEORETICAL COVERAGE:	Approx. 700 sq. ft./gallon @ 1.0 mil
RECOMMENDED D.F.T.:	3.0 mils/Coat
NUMBER OF COAT:	Normally Two
AVERAGE DRY TIME AT 75°F:	
(A) TO TOUCH:	1/2 hour
(B) TO RECOAT:	4 hours
(C) TO SERVICE:	12 Hrs. Minimum @ 75°F 48 Hrs. Maximum

RECOMMENDED SURFACE PREPARATION: This product is designed to be applied on high performance bottom protective systems. Prior to the application of this product ensure that the paint substrate is intact and free from contaminants. All damaged areas of the system should be rectified and made good to ensure uniformity of the system. The substrate should then be thoroughly degreased in accordance with SSPC-SPI. All dust should be removed from the substrate by using clean brushes and/or dry compressed air. Ensure that the substrate is completely dry prior to the application of this product.

MIXING: Antifouling paints must be stirred at intervals since the pigments may tend to settle. Power mix the paint until product is uniform.

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SEAGUARD 50-3 **VINYL ANTI-FOULING PAINT**

APPLICATION DATA: Apply by airless spray, brush, or roller. Devilbiss MBC-510 gun with "E" tip and needles 705-air cap. Material hose 1/2" ID, air hose 5.16" ID. It can be applied in one operation by means of airless spray up to a DFT of 100 microns/4mil. More coats may be required for specified DFT.

Details for Airless Spray: Output fluid pressure: 160 bar (atm) 2320 PSI Minimum nozzle orifice: 0.018

ADDITIONAL APPLICATION DATA: The recommended method of application is by airless spray. Brush or roller may be used for small isolated areas only. The spray fan should be adjusted depending on the nature and the shape of the substrate to be painted in order that over spray can be restricted to a minimum. The substrate temperature before coating should be 4° C/39° F above the dew point. Special care must be taken on the areas off Peak and ballast tanks when high relative humidity's are observed. Application at freezing temperatures: as ice crystals are hard to observe special care for an ice-free surface has to be taken. A substrate temperature of over 50°C/122°F and/or a relative humidity over 85% should be avoided. When exposed to direct sunlight or high temperature above 85°F, launching is recommended no more than 24 hours after application.

CLEANING THINNER: Simco - Universal Thinner

SAFETY: During application take normal precautions such as wearing safety gloves, face masks and eye shields. Adequate ventilation must be maintained when applying this product in confined spaces. Observe all statutory local by-laws with respect to health and safety together with the laws governing storage of flammable liquid products. Keep material away from sparks and open flames. Consult Material Safety Data Sheet before use.

NON-WARRANTY: The technical data listed herein has been compiled for your convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information of this product, no warranty expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for coverage, performance, or any other damages, including injuries resulting from use of this information or of products recommended herein.

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