



PRO-LINE® VINYL COPPER ANTIFOULING PAINT

CQ1088C02
CQ1088C03
CQ1088C07
CQ1088C01

BLACK
RED
LIGHT BLUE
BLUE

Revised: February 1, 2019

PRODUCT INFORMATION

PL.14

PRODUCT DESCRIPTION

PRO-LINE VINYL COPPER ANTIFOULING PAINT is a superior, tin-free antifouling bottom paint designed to provide exceptional antifouling performance for two or more years. It is formulated with a unique vinyl resin matrix with controlled leaching properties.

- EPA Registration Number: 577-550 (Blue, Light Blue, and Red) & 577-551 (Black)
- Fully compliant with IMO AFS Convention

PRODUCT CHARACTERISTICS

Finish:	Matte
Colors:	Black, Red, Light Blue, and Blue
Volume Solids:	64% ± 2%, may vary by color
Weight Solids:	87% ± 2%, may vary by color
VOC (EPA Method 24):	<330 g/L; <2.75 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	4.0 (100)	7.0 (175)
Dry mils (microns)	2.6 (65)	4.5 (113)
~Coverage sq ft/gal (m²/L)	228 (5.6)	395 (9.7)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1027 (25.2)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils (150 microns) wet:

@ 40°F/4.5°C @ 50°F/10°C @ 77°F/25°C @ 100°F/38°C
50% RH

To touch:	1 hour	30 minutes	15 minutes	10 minutes
To recoat*:	4 hours	2 hours	90 minutes	45 minutes
To launch:	16 hours	10 hours	6 hours	2 hours

* Dry to recoat times are with itself. First coat of Pro-Line Vinyl Copper Antifouling must be done while epoxy is still tacky. Tacky is defined as the interval between when the coating is no longer wet (paint ceases to transfer when the surface is lightly touched) and the point where a light touch to the surface no longer leaves an impression.

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

Shelf Life:	36 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	80°F (27°C), may vary by color
Reducer/Clean Up:	Pro-Line No. 20 for brush/rolling Pro-Line No. 24 for spray application

RECOMMENDED USES

- Underwater hulls in fresh and salt water service to minimize marine growth
- Moderate tropical fouling conditions where a high level of cuprous oxide is required.
- For use over properly prepared steel, wood, fiberglass and aluminum underwater hulls
- May be used on trailered boats
- Do *not* use on aluminum hulls without proper barrier coats

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Immersion Service*: SSPC-SP1 Solvent Cleaning

Existing Antifouling: SSPC-SP1 Solvent Cleaning. Rinse using high-pressure fresh water to remove any weak, outer layer of existing antifouling. Depending upon type of existing antifouling, a seal coat may be recommended.

* Pro-Line Vinyl Copper Antifouling is designed to be applied over suitable primers (see recommended systems on Page 2). When using epoxy primers, Pro-Line Vinyl Copper Antifouling must be applied while the epoxy is still tacky.



PRO-LINE® VINYL COPPER ANTIFOULING PAINT

CQ1088C02
CQ1088C03
CQ1088C07
CQ1088C01

BLACK
RED
LIGHT BLUE
BLUE

APPLICATION BULLETIN

PL.14

RECOMMENDED SYSTEMS

	Dry Film Thickness / ct.	
	Mils	(Microns)
Steel & Fiberglass:		
1 ct. Pro-Line 3000 - Blue (Primer)	4.0-6.0	(100-150)
2 cts. Pro-Line 3000 - White or Light Gray (Barrier Coat)	4.0-6.0	(100-150)
2-3 cts. Pro-Line Vinyl Copper Antifouling Paint	2.6-4.5	(65-113)
OR		
1 ct. Pro-Line 4000 Primer	3.0-4.0	(75-100)
2-3 cts. Pro-Line 4000 Barrier Coat	3.0-4.0	(75-100)
2-3 cts. Pro-Line Vinyl Copper Antifouling Paint	2.6-4.5	(65-113)
Aluminum:		
1 ct. Pro-Line 4018 Strontium Primer	3.0-5.0	(75-125)
2 cts. Pro-Line 3000 - White or Light Gray (Barrier Coat)	4.0-6.0	(100-150)
2-3 cts. Pro-Line Vinyl Copper Antifouling Paint	2.6-4.5	(65-113)
Other acceptable primers:		
Pro-Line 4000 Primer		

APPLICATION CONDITIONS

Temperature:	40°F (4.5°C) minimum, 100°F (38°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative Humidity:	85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer/Clean Up..... Pro-Line No. 20 for brush/rolling
Pro-Line No. 24 for spray application

Airless Spray

Pressure.....	3200 psi minimum (220 bar)
Hose.....	3/8" ID (9.5 mm)
Tip.....	.019"-.021" (0.48-0.53 mm)
Filter.....	30 mesh

Conventional Spray

Gun.....	Binks 95
Fluid Nozzle.....	66
Needle.....	65
Air Cap.....	65 PB
Atomization Pressure.....	25 psi (1.7 bar)
Fluid Pressure.....	10-20 psi (0.7-1.4 bar)
Air Hose.....	1/2" ID (12.7 mm)

Brush

Brush..... Natural Bristle

Roller

Cover..... 3/8" woven with solvent resistant core

If specific application equipment is not listed above, equivalent equipment may be substituted.

ORDERING INFORMATION

Packaging:	1 gal (3.78L) and 5 gal (18.9L) containers
Weight:	20.14 ± 0.2 lb/gal ; 2.4 Kg/L, may vary by color

ADDITIONAL NOTES

Undocking:

Minimum undocking time depends on number of coats applied, film thickness, and prevailing temperature.

Maximum undocking time depends on the exposure conditions, degree of air pollutions, etc. The most important factor is to carry out a thorough high-pressure, fresh water cleaning after prolonged exposure.

Prolonged UV exposure may cause film to exhibit cracking. This should not affect fouling performance once the coating is immersed in seawater.

Tacky is defined as the interval between when the coating is no longer wet (paint ceases to transfer when the surface is lightly touched) and the point where a light touch to the surface no longer leaves an impression.

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.