



PRODUCT DATA SHEET
FlexCoat® - 1600 HC
 Modified Vinyl Anti-Fouling Paint

GENERIC TYPE:

Single pack, Vinyl-rosin based cuprous oxide contact type A/F.

DESCRIPTION: *FlexCoat-1600 HC* is a hard protective paint which produces the most durable finish for long lasting performance. The high loading of cuprous oxide combined with a specially formulated algicide results in unprecedented resistance to barnacles, algae, slime and other marine and fresh-water fouling organisms. It can be applied over most hard antifouling coatings. Old soft antifouling paints must be removed before applying *FlexCoat-1600 HC*. *FlexCoat-1600 HC* has excellent adhesion to fiberglass, wood and steel hulls, and is perfect for both power and sail boats. Its compatibility with all properly prepared hard bottom paints permits safe overcoating without fear of lifting.

FEATURES:

- **SLIME RESISTANT**
- **VERY HIGH COPPER CONTENT**
- **EXCELLENT PERFORMANCE IN EVEN THE MOST TORRID, TROPICAL FOULING CONDITIONS**
- **HARD FINISH, EASILY BURNISHED**
- **EXCELLENT FOR WOOD AND STEEL BOATS**

RECOMMENDED USES:

FlexCoat-1600 HC Anti-Fouling paint is developed specifically for use as a protection from the keel to the Light Load Line. *FlexCoat-1600 HC* is intended for use on underwater ship bottom surfaces. *FlexCoat-1600 HC* provides protection against a wide range of grass and shell fouling where the use of tin-based biocides is precluded. Specifications utilising this product may be varied to provide the most cost effective system to meet operating conditions and service requirements. Compatible with an extensive range of existing bottom systems.

APPLICATION DATA

FlexCoat-1600 HC is heavily loaded with cuprous oxide. As a result of this there is a tendency for settling to occur, especially if the paint has been on the shelf for several months. It is necessary to thoroughly mix the paint before using. If possible shake the can of paint on a mechanical paint shaker. Before using check the sides and bottom of the can to make sure all the pigment has been mixed in. If mixing is going to be done with a wooden paddle or an electric drill mixer, pour off half of the liquid from the top of the can into another can and then properly mix in any settled pigment; then remix the two parts together thoroughly.

NOT RECOMMENDED FOR:

Application over improperly prepared or primed surface.

ORDER INFORMATION: Prices may be obtained from **SanyChem Sales Representative** or main Office.

APPROXIMATE SHIPPING WEIGHT :

Freight Classification: Paint, Combustible Liquid UN1263, PG III

Packaging:	1 gallon (3.785L)	5 gallons (18.925L)
<i>FlexCoat-1600 HC</i> (Red)	17.0 lbs. (7.7 kg.)	82.5 lbs. (37.4 kg.)
<i>FlexCoat-1600 HC</i> (Black)	15.5 lbs. (7.0 kg.)	76.1 lbs. (34.5 kg.)
<i>SolvenSany # 258</i> Thinner	7.9 lbs. (3.6 kg.)	39.5 lbs. (18.0 kg.)

FLASH POINT (Pensky/Martens Closed Cup) :

	Flash Point
<i>FlexCoat-1600 HC</i>	24°C
<i>SolvenSany # 258</i> Thinner	18°C

SPECIFICATION DATA

- **Solids Content By Volume:** *FlexCoat-1600 HC Red* 63% ± 2%
FlexCoat-1600 HC Black 60% ± 2%

- **Theoretical Coverage Rate per Gallon: ***

<i>FlexCoat-1600 HC</i> (Red)	37.2 m ² /Gallon at 25 microns DFT.
<i>FlexCoat-1600 HC</i> (Black)	37.0 m ² /Gallon at 25 microns DFT.

- Mixing and application losses will vary and must be taken into consideration when estimating job requirements.

- **Volatile Organic Content (VOC) as supplied * :**

	Grams/Lit.
<i>FlexCoat-1600 HC</i> (Red)	320 g/l
<i>FlexCoat-1600 HC</i> (Black)	300 g/l

- May vary with color

- **Temperature Resistance** (Non-Immersion)

Continuous	:	160 °F (71 °C)
Non-Continuous	:	190 °F (88 °C)

- **Recommended Dry Film Thickness Per Coat :**

2 mils (50 microns)
 Two coat recommended for 4 mils (100 microns) DFT

- **Color Standard in :** Blue, Green, Red and Black

- **Gloss** Flat

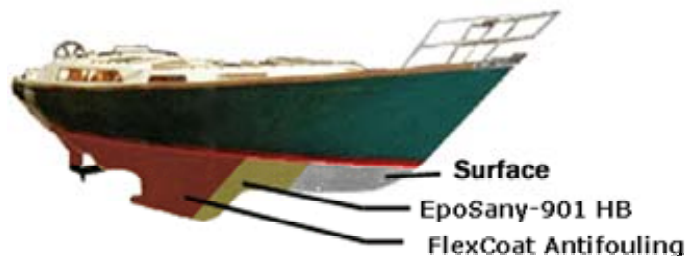
- **Shelf Life :** 24 months when stored at 75 °F (25 °C)

- **Storage Conditions:** Store indoors.
 Temp.: 40 - 110 °F (4 -43 °C)
 Humidity: 0 - 100%

Substrates: Not recommended except after application of a test patch for routine maintenance of sandswept conventional hull coatings due to the possibility of softening or lifting of underlying coatings. May be applied over vinyls, epoxies, Chlorinated rubbers and other as recommended. Please consult the appropriate system guide, the particular job specification or your **SanyChem Coatings' Industrial Coatings Specialist** for proper systems using this product.

NOTE: A test patch is recommended to assure adhesion of *FlexCoat-1600 HC* over others coatings or the adhesion of topcoats to *FlexCoat-1600 HC*.

Topcoat Required: A second coat is normally recommended to provide a longer service life.



APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions, and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

Substrates & Surface Preparation

General:

Remove any oil or grease with clean rags soaked in **SolvenSany # 252 Thinner** in accordance with SSPC-SP-1-82 or power wash with **SanyChem MetalCleaner # 100** diluted in water and rinse.

MAINTENANCE

No antifouling paint can be effective under all conditions of exposure. Man made pollution and natural occurrences can adversely affect antifouling paint performance. Extreme hot and cold water temperatures, silt, dirt, oil, brackish water and even electrolysis can ruin an antifouling paint. Therefore, we strongly suggest that the bottom of the boat be checked regularly to make sure it is clean and that no growth is occurring. Lightly scrub the bottom with a soft brush to remove anything from the antifouling paint surface. Scrubbing is particularly important with boats that are idle for extended periods of time. The coating is most effective when the boat is used periodically.

Bare Wood: Sand entire surface with 80 grit paper; wash clean with SolvenSany # Thinner. Apply a coat of FlexCoat-1600 HC thinned 25% with SolvenSany # Thinner, allow an overnight dry, lightly sand and wipe clean. Apply two finish coats of FlexCoat-1600 HC.

Bare Steel: Sandblast or disc sand to a clean, bright finish remove residue. Then either immediately apply two coats of SanyBond-8000 Steel Primer, allowing each to dry only 1-2 hours prior to overcoating -OR- immediately apply one thin coat of KoraPrimer-400 Metal Primer and allow to dry two hours; follow with two coats of Zinc Chromate Primer, allowing each to dry two hours minimum. Apply two finish coats of FlexCoat-1600 HC.

Keels - Steel or Cast Iron: Abrade surface to bright metal; clean off residue. Apply one coat of SanyBond-8000 Steel Primer, allowing to dry only 1-2 hours prior to overcoating. Then, if fairing is required, apply EpoSany-791Epoxy Fairing Compound followed by one coat of EpoSany-790 HB High Build Epoxy Primer, finish with two finish coats of FlexCoat-1600 HC.

Application Equipment

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. The following equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.



Application Equipment

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. General guidelines:

Spray Application

Spray

Use sufficient air volume for correct operation of equipment. Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later. May be applied by hot spray (Temperature not to exceed 95 °F (35 °C))

The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

Conventional Spray

Use a 3/8" minimum I.D. material hose. Hold gun approximately 8-10 inches from the surface and at a right angle to the surface.

Mfr. & Gun	Fluid Tip	Air Cap.
DeVilbiss P-MBC or JGA	E	704
Binks #18 or #62	66	63 PE
I.D.	Approx. 0.070" I.D.	

Airless Spray

Use 3/8" minimum I.D. material hose. Hold gun approximately 12-14 inches from the surfaces and at a right angle to the surface.

Mfr. & Gun	Pump
DeVilbiss JGN-502	QFA-514 or QFA-519
Binks Model 700	Mercury 5C or B8-36 37:1
Graco 205-591	President 30:1 or Bulldog 30:1

Use a 0.017" - 0.021" tip with 2000 psi.

Teflon packings are recommended and available from the pump manufacturer.

Contact



For information and Prices, Please Call a SANYCHEM Local Sales Representative.

Phones:



+58-212-6313092 | +58-414-3142752 | Fax: +58-212-6312441

SanyChem, Inc

600 N Pine Island Road # 450 Plantation, FL 33324-1311
Phone +1-954-315-0252 / +1-800-432-0607 / Fax: +1-954-315-0280

DRY TIME (Hours)

	To Recoat	To Launch
90° F.	2	8
70° F.	4	16
40° F.	6	24

MAXIMUM LAUNCH TIME 60 days

APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
Normal	60 – 90 °F (16 – 32 °C)	65 – 85 °F (18 – 29 °C)	55 – 100 °F (13 – 38 °C)	10 – 85 %
Minimum	45 °F (7 °C)	35 °F (2 °C)	40 °F (4 °C)	0 %
Maximum	100 °F (38 °C)	150 °F (66 °C)	120 °F (49 °C)	95 %

Do not apply when the surface temperature is less than 5 °F or 3 °C above the dew point.



Brush & Roller

Spray application is recommended. However roller application is acceptable if care is taken to apply uniform coat. Brushing is difficult and should only be used on otherwise inaccessible areas.

Cleanup & Safety

Cleanup

Use **SolvenSany #252**. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Safety

Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

Ventilation

When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel.

Caution



This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

FlexCoat-1600 HC ANTIFOULING CONTAINS CUPROUS OXIDE. THIS MATERIAL IS POISONOUS IF INHALED OR TAKEN ORALLY. AVOID BREATHING VAPOURS OR CONTACT WITH MOUTH AND THROAT. CONSULT THE CURRENT MSDS FOR SPECIFIC SAFETY HAZARDS AND PRECAUTIONS.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 1/2001



Internet:
www.sanychem.com
sanychem@cantv.net
sales@sanychem.com