**PRODUCT DATA SHEET**

**FlexCoat® - 1600 HC**

*Modified Vinyl Anti-Fouling Paint*

**SPECIFICATION DATA**

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

- **Theoretical Coverage Rate per Gallon:**
  - FlexCoat-1600 HC (Red): 37.2 m²/Gallon at 25 microns DFT.
  - FlexCoat-1600 HC (Black): 37.0 m²/Gallon at 25 microns DFT.

- **Flash Point**
  - FlexCoat-1600 HC (Red): 24°C
  - FlexCoat-1600 HC (Black): 18°C

**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

<table>
<thead>
<tr>
<th>Packaging</th>
<th>FlexCoat-1600 HC (Red)</th>
<th>FlexCoat-1600 HC (Black)</th>
<th>SolvenSany # 258 Thinner</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 gallon</td>
<td>17.0 lbs. (7.7 kg)</td>
<td>15.5 lbs. (7.0 kg)</td>
<td>7.9 lbs. (3.6 kg)</td>
</tr>
<tr>
<td>5 gallons</td>
<td>82.5 lbs. (37.4 kg)</td>
<td>76.1 lbs. (34.5 kg)</td>
<td>39.5 lbs. (18.0 kg)</td>
</tr>
</tbody>
</table>

**Flash Point (Pensky/Martens Closed Cup):**

- FlexCoat-1600 HC: 24°C
- SolvenSany # 258 Thinner: 18°C

**Applications:**

- **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.

- **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 Dry Film Thickness Per Coat:**
  - Two coat recommended for 4 mils (100 microns) DFT

- **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 sandspew 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.

**Topcoat Required:**

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

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January 2001 replaces April 1998
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 anti-fouling paint can be effective under all conditions of exposure. Man made pollution and natural occurrences can adversely affect anti-fouling paint performance. Extreme hot and cold water temperatures, silt, dirt, oil, brackish water and even electrolysis can ruin an anti-fouling 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 anti-fouling 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 Episany-791Epoxy Fairing Compound followed by one coat of Episany-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.

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 #60   66   63 PE

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.

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APPLICATION CONDITIONS

<table>
<thead>
<tr>
<th>Material</th>
<th>Surfaces</th>
<th>Ambient</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>60 – 90 °F (16 – 32 °C)</td>
<td>65 – 85 °F (18 – 29 °C)</td>
<td>55 – 100 °F (13 – 38 °C)</td>
</tr>
<tr>
<td>Minimum</td>
<td>45 °F (7 °C)</td>
<td>35 °F (2 °C)</td>
<td>40 °F (4 °C)</td>
</tr>
<tr>
<td>Maximum</td>
<td>100 °F (38 °C)</td>
<td>150 °F (66 °C)</td>
<td>120 °F (48 °C)</td>
</tr>
</tbody>
</table>

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.

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 IFinhaled 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

Made In the U.S.A.

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