SANDING METHOD

Painting bare fiberglass, Polyester, Vinylester gelcoats or epoxy resin.

Use this system when painting new boats or where old antifouling paint has been removed.

1. Remove all paint, gelcoat and any other surface coating.
2. Sand the hull thoroughly using 80-grit sandpaper. Remember to change sandpaper frequently.
3. Repair all scratches, nicks and dings by sanding those areas with 80-grit sandpaper then remove the sanding residue using Fiberglass Solvent Wash 202. Fill the repair areas with Interlux Watertite Epoxy Filler. After Watertite is cured sand repaired areas with 80-grit sandpaper until areas are smooth. Remove sanding residue using Fiberglass Solvent Wash 202.
4. Apply two coats minimum of Interlux antifouling paint.

HOW MUCH PAINT DO I NEED?

Determining how much paint you will need is fairly simple. The estimated surface area in the chart below is based on the approximate boat size and type. Actual square feet can vary.

It is best to actually measure the wetted surface area of the hull. If it is difficult to do, a close approximation can be made by multiplying the length overall, times the beam, times 0.85.

(LOA X Beam X 0.85 = wetted surface area). Then divide the wetted surface area by the square foot coverage per gallon of the product you are using. The result is the number of gallons needed for 1 coat. See product cans for per square foot coverage per gallon.

<table>
<thead>
<tr>
<th>BOAT SIZE &amp; TYPE</th>
<th>BOAT ESTIMATED SURFACE AREA</th>
<th>FIBERGLASS NO SAND PRIMER 1 COAT</th>
<th>INTERPROTECT 2000/2001/E 4-6 COATS</th>
<th>ANTIFOULING PAINT 2 COATS</th>
</tr>
</thead>
<tbody>
<tr>
<td>20' Power &amp; Sail</td>
<td>120 Sq. Feet</td>
<td>1 Quart</td>
<td>2 gallons</td>
<td>5 gallons</td>
</tr>
<tr>
<td>23' Power &amp; Sail</td>
<td>150 Sq. Feet</td>
<td>1.15 Quarts</td>
<td>5.5 gallons</td>
<td>12.5 gallons</td>
</tr>
<tr>
<td>26' Power &amp; Sail</td>
<td>240 Sq. Feet</td>
<td>1.8 Quarts</td>
<td>4 gallons</td>
<td>12.5 gallons</td>
</tr>
<tr>
<td>31' Sailboat</td>
<td>270 Sq. Feet</td>
<td>2 Quarts</td>
<td>4.5 gallons</td>
<td>11.5 gallons</td>
</tr>
<tr>
<td>32' Sportfish</td>
<td>300 Sq. Feet</td>
<td>2.25 Quarts</td>
<td>5 gallons</td>
<td>15 gallons</td>
</tr>
<tr>
<td>35' Cruising Sailboat</td>
<td>330 Sq. Feet</td>
<td>2.5 Quarts</td>
<td>5.5 gallons</td>
<td>16.5 gallons</td>
</tr>
<tr>
<td>38' Powerboat</td>
<td>350 Sq. Feet</td>
<td>2.60 Quarts</td>
<td>5.75 gallons</td>
<td>17.5 gallons</td>
</tr>
<tr>
<td>42' Cruising</td>
<td>435 Sq. Feet</td>
<td>3.25 Quarts</td>
<td>7.25 gallons</td>
<td>22.25 gallons</td>
</tr>
<tr>
<td>42' Powerboat</td>
<td>500 Sq. Feet</td>
<td>3.75 Quarts</td>
<td>8.5 gallons</td>
<td>25 gallons</td>
</tr>
<tr>
<td>37' Cruising Sailboat</td>
<td>590 Sq. Feet</td>
<td>4.5 Quarts</td>
<td>10 gallons</td>
<td>3 gallons</td>
</tr>
<tr>
<td>33' Powerboat</td>
<td>650 Sq. Feet</td>
<td>4.85 Quarts</td>
<td>10.75 gallons</td>
<td>3.25 gallons</td>
</tr>
</tbody>
</table>

BARE FIBERGLASS

bottom paint guide

TECHNICAL BULLETIN #200

Use this guide if you have a bare fiberglass, gelcoat or epoxy resin hull.

The first thing you will need to do is choose a system to paint below the waterline with Interlux antifouling paint. Interlux has three systems to choose from No Sand Method, Interprotect Blister Prevention Method and a Sanding Method.

Review the feature and benefits of each system and choose the best system for you. All three systems are easy for “Do It Yourselfers” to complete. But if you are not sure of your own capabilities or just not comfortable doing this type of work just consult your local Interlux Boatyard or Dealer. For a location near you visit www.yachtpaint.com.

**SYSTEM 1: NO SAND METHOD**

- Sanding is eliminated, before applying antifouling paint.
- Perfect over gelcoats, where sanding of the gelcoat may void hull warranties.
- Only one coat of primer is required.
- Strong chemical bond between primer and antifouling paint, when overcoat window is met.
- Easy to apply

**SYSTEM 2: INTERPROTECT BLISTER PREVENTION**

- Easy application by “Do-It-Yourselfers” or professionals.
- Fast drying enabling a complete application in just days.
- Interprotect is the only Blister Protection and Prevention coating that uses Fiberglass, Microplates® are a water barrier system similar to shingles on a roof, eliminating water intrusion.
- Interprotect is a seal of approval for a future owner that the boat has been protected from future blister repair costs. This means added value and confidence to the buyer.

**SYSTEM 3: SANDING METHOD**

- Provides a mechanical bond between boat hull and paint.
- Cost effective.
- Simple system clean, sand, clean and apply antifouling paint.

**CONTENTS**

- New Fiberglass No Sand Primer
- Systems to Paint Bare Fiberglass Bottoms
- Boat Hull Preparation
- No Sand Primer System
- Interprotect System
- Sanding System
- Painting Tips
- Associated Products
- How Much Paint do I Need?
SYSTEM 1: NO SAND METHOD

Bottom painting bare fiberglass, Polyester or Vinylester gelcoats or epoxy resin

1. Follow the Boat Hull Preparation instructions on this page.
2. Using a 1/8 inch foam or 1/4 inch mohair solvent resistant roller, apply one thin continuous coat of Fiberglass No Sand Primer, apply in one direction only without recoating.
3. Only one coat of Fiberglass No Sand Primer is required. Antifouling overcoat times will vary due to wide variations in temperature and humidity. The only safe method to determine when the Fiberglass No Sand Primer is "Ready-to-Overcoat" is to check the paint film using the "Thumb Print" test. If the primer feels tacky and you can leave a thumbprint in the paint film with out getting any paint on your thumb, the Fiberglass No Sand Primer is "Ready-to-Overcoat." Test the paint film in the area you started applying the primer no later than 30 minutes after starting the application. Continue testing every 15 minutes using the "Thumb Print" Test until reaching the "Ready-to-Overcoat" stage. Immediately, begin to apply the Interlux antifouling paint once the primer has reached the "Ready-to-Overcoat" stage.

   - When applying No Sand Primer to larger boats or surface areas where overcoat times cannot be met, please call Interlux for Technical Assistance 1-800-468-7589.
   - Apply one thin coat, recommended WFT 3.0 mils wet.
   - Fiberglass No Sand Primer may not hide the gelcoat completely when applied properly.
   - Fiberglass No Sand Primer cannot be used with the following Interlux antifouling paints: VC17m Extra, VC17m, VC Offshore, Baltoplate, Micron 66, Micron Optima or Fiberglass Bottomkote Aqua. Do not use with any water based or vinyl based antifouling paints.
   - Do not apply Fiberglass No Sand Primer is moisture sensitive. Do not leave containers open during application. Once project is complete discard all remaining Fiberglass No Sand Primer.
   - Do not apply Fiberglass No Sand Primer if the relative humidity exceeds 85% or if temperature exceeds 95°F (35°C).

   1. Follow boat hull preparation procedures as per instructions on page 2.
   2. Sand the gelcoat thoroughly using 80-grit sandpaper. Remember to change sandpaper frequently.
   4. Repair all scratches, nicks and dings by sanding those areas with 80-grit sandpaper than remove the sanding residue using Fiberglass Solvent Wash 202. Fill the repair areas with Interlux Watertite Epoxy Filler. After Watertite is cured sand with 80-grit sandpaper until smooth. Remove sanding residue with Fiberglass Solvent Wash 202.
   6. Mix three parts 2000E base to one part 2001E reactor, by volume and allow to induce for twenty minutes prior to use. Mix only what can be used in five hours.

   If maximum dry times are exceeded between the last coat of Interprotect 2000E/2001E and the first coat of antifouling, apply another coat of Interprotect 2000E/2001E and then be sure to hit the proper over coating interval before the application of the antifouling paint.

   These overcoat times do not apply to performance or vinyl antifouling such as VC17m Extra, VC7m, VC Offshore, Baltoplate and VC Performance Epoxy. To apply performance or vinyl antifoulings apply at least one extra coat of Interprotect 2000E/2001E and allow to dry 24 to 36 hours. Then sand with 80-grit sandpaper. Be careful to leave at least 10 mils dry film thickness of epoxy after sanding. Apply the performance or vinyl paint of choice.

SYSTEM 2: INTERPROTECT BLISTER PREVENTION METHOD

For new or non-blistered hulls. Use this system on new boats or used boats where all antifouling paint has been removed.

1. Follow boat hull preparation procedures as per instructions on page 2.
2. Sand the gelcoat thoroughly using 80-grit sandpaper. Remember to change sandpaper frequently.
4. Repair all scratches, nicks and dings by sanding those areas with 80-grit sandpaper than remove the sanding residue using Fiberglass Solvent Wash 202. Fill the repair areas with Interlux Watertite Epoxy Filler. After Watertite is cured sand with 80-grit sandpaper until smooth. Remove sanding residue with Fiberglass Solvent Wash 202.
6. Mix three parts 2000E base to one part 2001E reactor, by volume and allow to induce for twenty minutes prior to use. Mix only what can be used in five hours.
7. Apply Interprotect 2000E/2001E and continue on with corresponding coats following overcoat windows listed on the can of Interprotect 2000E/2001E. Apply enough Interprotect 2000E/2001E to build a 10 mil (0.010 inch) dry film thickness. This usually takes 4-5 coats but the final dry film thickness is more important than the number of coats.
8. Apply Interlux antifouling paint following the overcoat windows listed on Interprotect 2000E/2001E can.

SYSTEM 3: PREVENTION METHOD

Whether the boat is new or a few years old “Mold Release Wax” and other contaminants like dirt, grime, salt, oils and even road salt and dirt can be present on the bottom of the boat. It is important to properly prepare the bottom of the boat before proceeding to the Bottom Paint Systems.

Remove all contaminants and “Mold Release Wax” on the surface as follows.
1. Scrub the surface thoroughly using soap and water and a stiff brush. Rush with fresh water to remove soap residue and allow surface to dry.
2. Next scrub the surface thoroughly using Interlux Fiberglass Surface Prep YM401 and a Scotch-Brite pad. If Interlux Fiberglass Surface Prep YM401 is not available use an abrasive powder cleaner. Scrub the surface thoroughly and scrub only a few square feet at a time. Rinse well with plenty of fresh water.

Boat Hull Preparation

Since the boat has never been painted, take extra care and time in preparing the bottom before proceeding to the system of choice.

Whether the boat is new or a few years old “Mold Release Wax” and other contaminants like dirt, grime, salt, oils and even road salt and dirt can be present on the bottom of the boat. It is important to properly prepare the bottom of the boat before proceeding to the Bottom Paint Systems.

Remove all contaminants and “Mold Release Wax” on the surface as follows.
1. Scrub the surface thoroughly using soap and water and a stiff brush. Rush with fresh water to remove soap residue and allow surface to dry.
2. Next scrub the surface thoroughly using Interlux Fiberglass Surface Prep YM401 and a Scotch-Brite pad. If Interlux Fiberglass Surface Prep YM401 is not available use an abrasive powder cleaner. Scrub the surface thoroughly and scrub only a few square feet at a time. Rinse well with plenty of fresh water.

SYSTEM 1: NO SAND METHOD

Bottom painting bare fiberglass, Polyester or Vinylester gelcoats or epoxy resin

1. Follow the Boat Hull Preparation instructions on this page.
2. Using a 1/8 inch foam or 1/4 inch mohair solvent resistant roller, apply one thin continuous coat of Fiberglass No Sand Primer, apply in one direction only without recoating.
3. Only one coat of Fiberglass No Sand Primer is required. Antifouling overcoat times will vary due to wide variations in temperature and humidity. The only safe method to determine when the Fiberglass No Sand Primer is "Ready-to-Overcoat" is to check the paint film using the "Thumb Print" test. If the primer feels tacky and you can leave a thumbprint in the paint film with out getting any paint on your thumb, the Fiberglass No Sand Primer is "Ready-to-Overcoat." Test the paint film in the area you started applying the primer no later than 30 minutes after starting the application. Continue testing every 15 minutes using the "Thumb Print" Test until reaching the "Ready-to-Overcoat" stage. Immediately, begin to apply the Interlux antifouling paint once the primer has reached the "Ready-to-Overcoat" stage.

   - When applying No Sand Primer to larger boats or surface areas where overcoat times cannot be met, please call Interlux for Technical Assistance 1-800-468-7589.
   - Apply one thin coat, recommended WFT 3.0 mils wet.
   - Fiberglass No Sand Primer may not hide the gelcoat completely when applied properly.
   - Fiberglass No Sand Primer cannot be used with the following Interlux antifouling paints: VC17m Extra, VC17m, VC Offshore, Baltoplate, Micron 66, Micron Optima or Fiberglass Bottomkote Aqua. Do not use with any water based or vinyl based antifouling paints.
   - Do not apply Fiberglass No Sand Primer in moisture sensitive. Do not leave containers open during application. Once project is complete discard all remaining Fiberglass No Sand Primer.
   - Do not apply Fiberglass No Sand Primer if the relative humidity exceeds 85% or if temperature exceeds 95°F (35°C).

   1. Follow boat hull preparation procedures as per instructions on page 2.
   2. Sand the gelcoat thoroughly using 80-grit sandpaper. Remember to change sandpaper frequently.
   4. Repair all scratches, nicks and dings by sanding those areas with 80-grit sandpaper than remove the sanding residue using Fiberglass Solvent Wash 202. Fill the repair areas with Interlux Watertite Epoxy Filler. After Watertite is cured sand with 80-grit sandpaper until smooth. Remove sanding residue with Fiberglass Solvent Wash 202.
   6. Mix three parts 2000E base to one part 2001E reactor, by volume and allow to induce for twenty minutes prior to use. Mix only what can be used in five hours.

   If maximum dry times are exceeded between the last coat of Interprotect 2000E/2001E and the first coat of antifouling, apply another coat of Interprotect 2000E/2001E and then be sure to hit the proper over coating interval before the application of the antifouling paint.

   These overcoat times do not apply to performance or vinyl antifouling such as VC17m Extra, VC7m, VC Offshore, Baltoplate and VC Performance Epoxy. To apply performance or vinyl antifoulings apply at least one extra coat of Interprotect 2000E/2001E and allow to dry 24 to 36 hours. Then sand with 80-grit sandpaper. Be careful to leave at least 10 mils dry film thickness of epoxy after sanding. Apply the performance or vinyl paint of choice.