

ADMIRALTY COATINGS, INC.
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POLYESTER UV CATALYST APPLICATIONS: 10/13/2008

SAFETY: ALWAYS WEAR UV BLOCKING SAFETY GLASSES WHEN IN THE VICINITY OF AN OPERATING UV LIGHT SOURCE! Resource... Home Depot, Grainger etc., be sure the lenses wrap around the sides, are polycarbonate (99.99% UV Block) and tinted.

Polyester Resin (Styrene) component is readily purchased and stored most Boat Yards today. However, VOCs, long cure times and moisture absorption detract from the products performance. Below is the solution to these issues and problems...

ADMIRALTY MARINE POLYESTER RESIN UV CATALYST PART B with ZERO VOCs.

1. Combine One part (by volume or weight) of Admiralty Marine Polyester Catalyst Part B with Polyester Resin (Styrene) Part A.
2. With a clean spatula, stir the new (A/B) compound to ensure components are properly mixed.
3. This compound can be stored for a year or more without any degradation in performance... this is now a UV Curable Coating and should not be exposed to the sun's rays.
4. You will notice the usual smell associated with Styrene is greatly reduced.
5. This new compound will not absorb any water.
6. We do not advise using it to build fuel tanks... we have special products specifically for this application.

GENERAL COATING PREPARATION:

- a) DO NOT EXPOSE THE COATING TO DIRECT OR REFLECTED SUN'S RAYS.
- b) With a clean spatula, stir the coating to ensure components are properly dispersed.
- c) Pour coating into a smaller container with a removable top, the container should be opaque and dark in color. A polycarbonate or stainless steel container around 1 quart size usually works well.

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POLYESTER UV CATALYST APPLICATIONS: 10/13/2008 Continued....

COATING APPLICATION:

1. Pour the resin onto the prepared surface and spread with appropriate applicator.
2. Place precut fiberglass material on top of coated area and Squeegee the fiber so it is thoroughly soaked with resin, ie., no white areas.
3. Place additional fiberglass material on top and Squeegee for the same effect... add more resin as required.
4. After two or three layers Cure with the Hand Held UV Light by passing the light beam 1 - 2 inches above the surface at a rate of about 2 inches per second. This UV curing should be done 2 or 3 times.
5. For additional thickness, after each set of two or three layers Cure with the UV Light as in Step 4.
6. To Cure the top surface of the last layer, place a clear mylar sheet directly on the coating and cure through the mylar film with the UV light as in Step 4.

Notes:

- a) Step 6. is required to restrict the oxygen at the surface, allowing a hard surface finish.
- b) An alternative to the Mylar Film Application in step 6. is to use Admiralty Marine Polyester Resin Catalyst Part T (mixed with Polyester Styrene) on the final layer... the UV Light cures this to a hard surface finish.
- c) In Step 2. if you wish to make this layer the mold or support for the project then cure it with the UV Light... the shape can be tacked in place or held and immediately cured to provide the base structure for further layers.
- e) Do not allow the UV Light to shine on the coating in the job container or on the applicators.
- d) Clean, unused material may be returned to the original container.