



INTERPLASTIC CORPORATION
Thermoset Resins Division

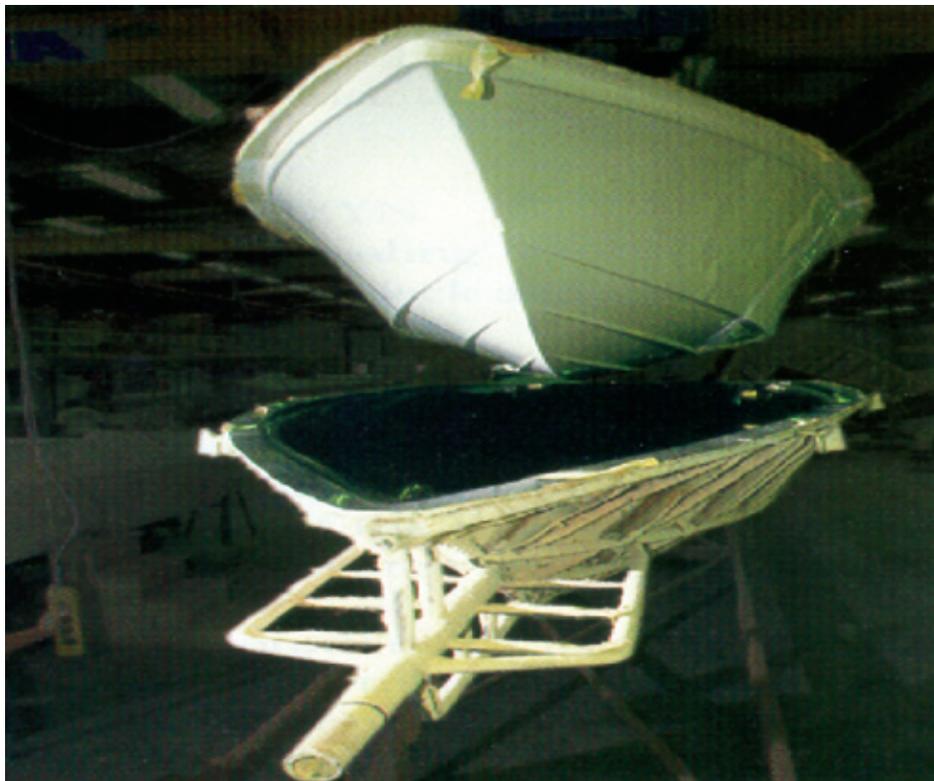
MARINE CASE HISTORY

Interplastic Tooling Resin Makes the Mold

Several years ago, Fountain Powerboats made the switch from an isophthalic tooling resin to Interplastic's CoREZYN® VE8153 vinyl ester tooling resin. And they've never looked back. In fact, today Interplastic Corporation is Fountain's exclusive resin supplier throughout their manufacturing operations.

"We switched to a vinyl ester," says Joel Kinney, Fountain Powerboat mold shop foreman, "because it has a lower shrink rate and it's tougher than an isophthalic. We chose Interplastic's vinyl ester because it could give us a truer mold, a tougher tool and it was priced very competitively - even against the isophthalic we used to use." Kinney also says that this vinyl ester withstands well the high temperatures present when curing a hull.

Building a new mold for a Fountain hull is no small feat. It requires more than a week to complete the laminations, reinforcements, piping and final curing. The finished product is a 3/4 to 7/8 inches thick, all glass mold, using the CoREZYN VE8153. "There will be at least 14 layers of increasingly thick laminations made before the



final layer, a whopping 60 ounces of glass with a mat overlay, is put down," says Kinney. After that cures, we pipe the mold (a reinforcing cradle), glass the pipe onto the mold, let it cure and then pull the mold off the plug." Kinney says sanding and deburring are done between each lamination and the final mold is detailed and buffed to a fine finish before it's ready to be used.

His shop staff likes the Interplastic VE8153 because it is easy to work with and has

very predictable results. "We only mix a gallon or two at a time and use rollers to lay down the laminations and we always get the same results."

The "toughness" factor that Fountain required from the vinyl ester equates to a significant life expectancy for these molds. "We pull our molds regularly to keep them in good shape and perform preventative maintenance," says Kinney. "However, we expect these vinyl ester molds to easily last more than ten years."

During that time, a mold for a 42' sport boat, for example, may be used 500 times, according to Kinney. A smaller boat may be used 750 times in that time frame.

Interplastic's CoREZYN VE8153 vinyl ester tooling resin is used for hull, deck and small molds at Fountain Powerboats.

Fountain Powerboats was formed in 1979, with only eight employees, in a 10,000 square-foot manufacturing facility in Washington, NC. Today, more than 350 employees produce the world-famous boats in a 225,000 square foot facility. Fountain Powerboats are known for their high quality, innovation and lightning speed. Reggie Fountain is Chief Executive Officer, Chairman of the Board and President. He personally masterminds all engineering and new product research and development.

Interplastic Corporation is a leading manufacturer of high performance resins and gel coats. Since 1964, they have partnered with reinforced plastics composites manufacturers to help them build better, stronger and more durable products. They have strongholds in laminating, casting, pultrusion, tooling, fire resistant and numerous gel coat applications.



When you need innovative solutions to challenges and opportunities, Interplastic's technical staff can consult with you in their labs or yours. They also have a wide variety of technical and application documentation that is available upon request and on-line at www.interplastic.com.

Interplastic Corporation is ISO 9002-registered and headquartered in St. Paul, MN.



INTERPLASTIC CORPORATION
Thermoset Resins Division

For more information, call or write to

1225 Willow Lake Blvd., St. Paul, MN 55110-5145 Phone (651) 481-6860 Fax (651) 481-9836
www.interplastic.com