

SOLUTIONS

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Liquid Glass' 41 Luxury Cat Named "Extreme Cat of the Year"

At its recent annual Best of the Best Awards, Extreme Boats Magazine named the 41 Luxury Cat from Liquid Glass the 'Extreme Cat of the Year'.

Although a relatively new yard, Liquid Glass' owner, Randy Schultz, has spent the last 28 years designing and building custom boats most notably at Profile Powerboats, a company he built from scratch. Three years ago he sold Profile and decided to put together a team that would design and build the boat of his dreams - a boat that would not only offer high speed performance but would also set new standards in terms of build quality, comfort, innovation and safety. With the prestigious Extreme Boats Magazine award it looks like he and his colleagues have achieved their goal at the first attempt.

Liquid Glass decided at the outset to use sandwich construction and infusion molding for both the hull and deck of



A close up of the stunning 41 Luxury Cat that is also featured on the front cover of this issue.

the 12.5 meter (41 ft.) powerboat on the basis that this would provide higher fiber to resin ratios and a level of quality, consistency and repeatability that would be very difficult, if not impossible, to achieve with more traditional techniques such as hand laminating. In addition the company wanted to use a process that was inherently clean and environmentally-friendly.

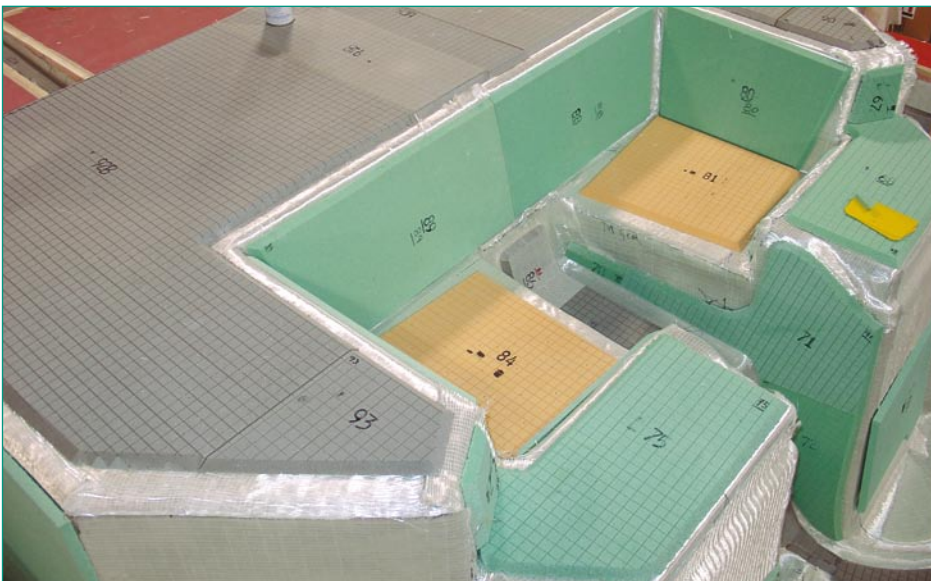
At an early stage DIAB Technologies joined the project as a technology partner to assist Liquid Glass with the setting up of infusion production for the hull and deck moldings.

DIAB Technologies' role was multi-faceted, involving infusion training for the Liquid Glass team, development of the infusion manifolds, flow modeling simulations to predict how the infusion would work, core kit design and assistance with the first hull and deck infusions.

Everything basically went to plan with both the hull and deck infusions progressing as predicted by the flow models. The actual infusion process took 30 minutes for the hull and 40 minutes for the deck.

In addition to achieving fiber fractions of 70%, Liquid Glass maintains that due to the higher fiber content, the 41 Luxury Cat is significantly stronger, stiffer and lighter than conventionally laid hulls.

www.liquidglasspowerboats.com



A close up of the deck molding showing the Divinycell core kit components in position.