



PERFORMANCE FABRICS DRIVING PRODUCTIVITY IN MARINE

Laying up glass fiber fabrics to build the hull of a boat can be time consuming resulting in high labor costs and low throughput. Additionally, the more layers that are added the more important consistency is in building a quality product.

Although these steps are needed to build a hull that stands the test of time, Owens Corning Performance Fabrics innovative solutions can drive increased productivity in this process. Recently, Owens Corning partnered with a customer to solve just this. How do we reduce the man hours it takes to produce a boat hull while improving consistency and quality?


Through Owens Corning's unique advanced modeling team, our scientists were able to model how different combinations of fabrics in differing number of layers can combine to form the most optimum solution – both in saving man hours and maintaining mechanical performance.


In this application our approach to productivity allowed the customer to use 4 not 6 layers of reinforcement in construction while maintaining performance. This eliminates 2 layup steps in the process.


The result, a 25% reduction in number of man hours to build this hull. Additionally, reducing the number of layers by a third while introducing a new optimized fabric combination enabled faster impregnation.

Owens Corning's Performance Fabrics are made with our Advantex glass fiber. This boron-free, patented glass fiber combines the electrical and mechanical properties of traditional E-glass with the corrosion resistance of E-CR glass.

Owens Corning's Performance Fabrics combined with our world class advanced modeling team brings a dynamic duo to the marketplace driving productivity for our customers.

Design modeling 
**SAVES TIME,
MAINTAINS
PERFORMANCE**

 Maintaining performance with **LESS LAYERS**

 **25% REDUCTION** in man hours

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