



**Your Formula for Success**  
RESINS | GEL COATS | COLORANTS

# CASE HISTORY



## AOC Technology Helps Delphia Grow

**Market Segments:** Marine Recreation

**Composite Applications:** Sailing Yacht Hulls  
Motor Yacht Hulls

**Resin:** Hydropel H034 Skin Coat  
Altek H834 Laminating Resin

**Manufacturing Process:** Hand lay-up & Spray-up

**Sailing Yacht Lengths:** 24 to 46.3 Feet  
(7.3 to 14.1 Meters)

**Motor Yacht Lengths:** 15.1 to 22.8 Feet  
(4.6 to 6.9 Meters)

By paying strict attention to quality, competitiveness and performance, Delphia Yachts Boatyard has become Poland's largest boat building and is one of the fastest growing in the world. For hull and deck construction, a Hydropel® and Altek® resin system from AOC is seamlessly suited to Delphia's philosophy of total process control of the manufacturing process.

Company founders, brothers Piotr and Wojciech Kot, have taken the business from a modest shop with a dozen workers in 1990 to a 140,000-square foot (13,000-square meter) shipyard with 600 workers today. Delphia makes about 300 Delphia, Sportina and Phila sailing yachts and about 2,500 Quicksilver and Cortina motor yachts per year.

The international reputation of these brands has created growing demand. As a result, Delphia is served by a dealer network that covers Europe, Russia, the United States, Japan, Australia and the Republic of South Africa.

Delphia invests in state-of-the-art equipment to meet objectives for higher productivity and environmental



## AOC Technology Helps Delphia Grow, continued

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protection. Hull and deck laminates are produced in open molds using mostly spray-up and some hand layup. Manufacturing includes both monolithic and cored constructions.

Delphia Yachts specifies Altek H834 DCPD-content unsaturated polyester for its main laminating resin and Hydropel® H034 Vinyl Ester for the moistureblocking skin coat. This system has been proven around the world to be the optimum cost/performance solution for resisting osmosis and surface blistering.

The resins deliver very good gel and cure profiles, ensure optimum fiber wetting and exhibit high heat distortion temperatures. In addition, the Altek H834 laminating resin results in strong adhesion between the laminate and PVC foam, balsa and other core materials.

### About AOC

AOC is a leading global supplier of resins, gel coats, colorants, additives and synergistic material systems for composites and cast polymers. For more information on AOC technology, quality and service, e-mail [sales@aoc-resins.com](mailto:sales@aoc-resins.com), phone (866) 319-8827, or go to [AOC-RESINS.com](http://AOC-RESINS.com).

