



Marine Products

THE SCIENCE OF
BETTER BOATS



Your Formula for Success
RESINS | GEL COATS | COLORANTS



Marine Leadership – Resins and gel coats literally form the foundation to every boat. And AOC's marine resins and gelcoats bring superior strength, performance and excellent finishes to boat builders. AOC has been a leader in the marine resin industry for more than five decades and continues to develop new ways to help customers succeed.

Partnership – We don't just sell products. We offer complete technical support to our customers through every step of the manufacturing process.

Expertise – Our technical teams are leaders in marine polymer chemistry and boatbuilding technology.

Quality – We lead the industry in state-of-the-art manufacturing processes that improve product performance and consistency.



PRODUCTS

| GENERAL PURPOSE RESINS | | These resins provide a resilient layer of protection for boats from the bow to the stern. They're proven to resist blistering and corrosion while delivering strength and toughness. |
|------------------------|----------------------------------|--|
| Product | Description | Benefits |
| Altek H864-M | Low Profile Isophthalic Modified | <ul style="list-style-type: none"> Enhanced mechanical properties to ensure dimensional stability on finished part Improved green strength Toughened, resilient polymer |
| Altek H834-R | Low Profile General Purpose | <ul style="list-style-type: none"> Good physical properties to ensure dimensional stability on finished part Adaptable to a variety of manufacturing processes and conditions Fast and complete fiber wet-out |
| Altek H550 | Modified Orthophthalic | <ul style="list-style-type: none"> Improved secondary bonding characteristics Resin of choice for tie-in of stringers |

| PREMIUM RESINS | | AOC's high performance resins offer great processability on the shop floor and superior performance on the water. They surpass mechanical, water absorption and finish requirements of major boat builders worldwide. |
|-----------------|-----------------------------------|---|
| Product | Description | Benefits |
| Hydropel H100 | High Performance 100% Vinyl Ester | <ul style="list-style-type: none"> Provides maximum resistance to osmotic blistering High heat distortion temperature Excellent resistance to cracking |
| Hydropel H034-A | Modified Vinyl Ester | <ul style="list-style-type: none"> Excellent strength and toughness Very good resistance to osmotic blistering Good surface profile with reduced post cure on finished parts Good wet-out |
| Hydropel H036-A | Isophthalic Modified Vinyl Ester | <ul style="list-style-type: none"> Very good resistance to osmotic blistering Good surface profile with reduced post cure on finished parts Improved green strength |
| Hydropel H032 | Modified Vinyl Ester | <ul style="list-style-type: none"> Offers combination of value and performance Good strength, toughness and surface profiles Outstanding wet-out |

RTM / INFUSION

Closed mold processes such as Resin Transfer Molding (RTM) and Infusion help marine manufacturers create better products, faster. AOC's products come with the service and technical support to optimize these closed mold processes.

| Product | Description | Benefits |
|----------------------|----------------------------------|---|
| Hydropel R015 | High Performance Vinyl Ester | <ul style="list-style-type: none"> • Superior strength and toughness • Low laminate exotherm for excellent cosmetic surface • Excellent glass fiber wet-out |
| Hydropel R037 | Modified Vinyl Ester | <ul style="list-style-type: none"> • Formulated for rapid Barcol development • Excellent strength and toughness • Capable of high filler loading |
| Hydropel R049 | Low Profile Modified Vinyl Ester | <ul style="list-style-type: none"> • For Class A finish applications • Superior mechanical properties • Lower in-mold exotherms than typical low-profile systems |
| Hydropel R034 | Modified Vinyl Ester | <ul style="list-style-type: none"> • Fast fill time for vacuum infusion applications • Low shrinkage • Fast cure profile |

SPECIALTY RESINS

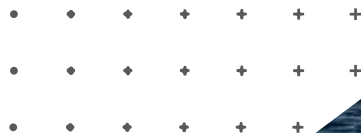
AOC has created a complete line of resins for composite applications in the marine industry.

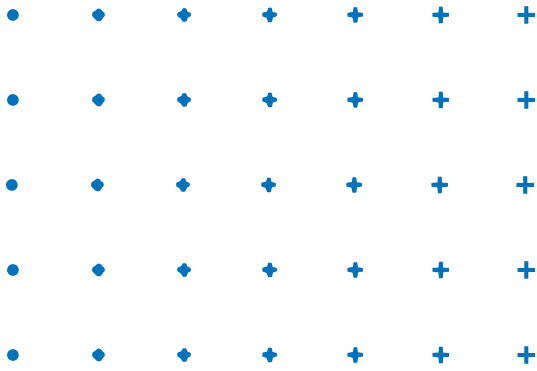
| Product | Description | Application | Benefits |
|--------------------------|----------------------------------|--|--|
| MoldTru LPT-68000 | Modified Vinyl Ester Low Profile | For building molds/ tools with the open mold process | <ul style="list-style-type: none"> • Used to create Class A low profile mold surfaces • Possible to laminate many layers at once , thereby dramatically reducing build time • Extremely low shrinking improves tool surface quality • High heat distortion temperature |
| MoldTru LTP-68001 | Modified Vinyl Ester Low Profile | For building molds/ tools with the vacuum molding process | <ul style="list-style-type: none"> • Used to create Class A low profile mold surfaces • Dramatic build time reduction • Extremely low shrinking improves tool surface quality • High heat distortion temperature |
| Vipel K095 | Vinyl Ester | For gasoline/ethanol/ diesel fuel tanks. Can be used with filament winding and hand lay-up processes | <ul style="list-style-type: none"> • Fire retardant - meets ASTM E 84 class I requirements for flame spread and smoke development neat • Corrosion resistant • High heat distortion temperature |
| Vipel K022 | Bisphenol A Vinyl Ester | For fire retardant and/or corrosion resistant applications | <ul style="list-style-type: none"> • Fire retardant - meets ASTM E 84 class I requirements for flame spread and smoke development neat • Corrosion resistant • Mechanical properties for high static or dynamic loads |

GEL COATS

AOC gel coats and resins work together to create optimum performance and aesthetics.
All AOC Marine gel coats are MACT compliant.

| Product | Gel Coat Type | Benefits |
|----------------------|------------------------|--|
| Vibrin G395 | Premium Marine White | <ul style="list-style-type: none"> • Exterior white marine gel coat with excellent weathering characteristics • Application friendly - resistant to pre-release, porosity and sagging • Blister resistant • High elongation - resists cracking even in extremely cold temperatures |
| Vibrin G397 | Premium Marine Color | <ul style="list-style-type: none"> • Great depth of color with excellent weathering and buff back characteristics • Application friendly - resistant to pre-release, porosity and sagging • Blister and blush resistant • High Elongation - resists cracking even in extremely cold temperatures |
| Vibrin G141 | Interior Air Dry Matte | <ul style="list-style-type: none"> • Stain resistant to most common engine fluids • Pigmented air dry gel coat available in conventional HAP and low HAP (<30% whites, <33% colors) systems • Matte finish |
| Vibrin G920 | Interior Air Dry-Gloss | <ul style="list-style-type: none"> • Pigmented air dry gel coat with low HAP contents (<25%) • Glossy finish • Stain resistant to most common engine fluids |
| Hydropel H010 | Barrier Coat | <ul style="list-style-type: none"> • Blister resistant • Improved surface profile • Good resistance to glass print-through |





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