



Marine Products

THE SCIENCE OF
BETTER BOATS



| aliancys



| **aliancys**

Marine Leadership – Resins and gel coats literally form the foundation to every boat. And AOC Aliancys' marine resins and gelcoats bring superior strength, performance and excellent finishes to boat builders. AOC Aliancys 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.




Altek[®]
GENERAL PURPOSE
LAMINATING RESINS


Hydropel[®]
HIGH PERFORMANCE
MARINE RESINS


MoldTru[®]
TOOLING RESINS


Vibrin[®]
GEL COATS

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

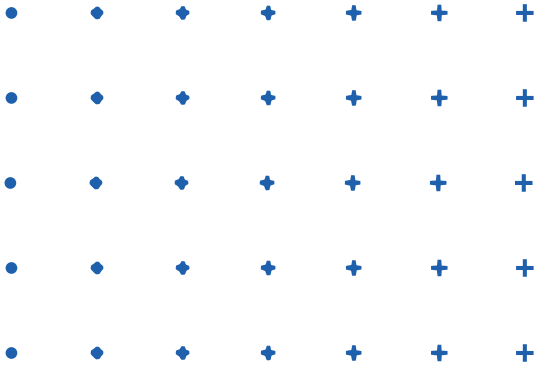
Product	Description	Application	Benefits
MoldTru LPT-68000	Modified Vinyl Ester Low Profile	For building molds/ tools with the open mold process	<ul style="list-style-type: none"> • Used to create Class A low profile mold surfaces • Possible to laminate many layers at once , thereby dramatically reducing 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 Aliancys gel coats and resins work together to create optimum performance and aesthetics. All AOC Aliancys 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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