



Ashland Composite Polymers offers a complete line of Resin and Gelcoat products for the premium boat builder. In addition to our AME® Epoxy Vinyl Ester Resins, Ashland offers MAXGUARD™ Premium Gelcoats, AROPOL™ Unsaturated Polyester Resins, DERAKANE® Fuel-tank Resins, ENVIREZ® Renewable Resource Resins, and NEULON® Low Profile Additives.

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PREMIUM MARINE RESINS & GELCOATS

For the World's Top Boat Builders:
Our Innovation Enables Yours



Ashland is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.

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Premium Products for the World's Top Boat Builders

For the world's top boat builders, Ashland has designed a complete line of **Premium Gelcoats, Epoxy Vinyl Ester Resins, Unsaturated Polyester Resins, Low Profile Resins, Fuel Tank Resins, and Barrier Coats.** Combined with Ashland's boat building expertise, product development, and technical service, Ashland will help you become a better, more profitable boat builder.

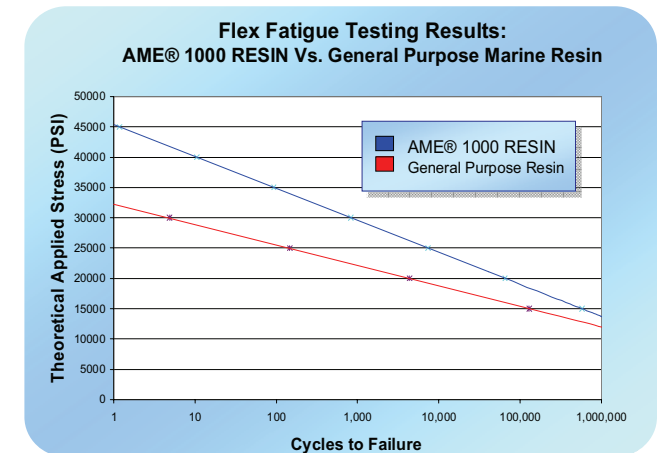
AME® Premium Marine Resins are the preferred and trusted resins for the most respected boat builders in the world.

These modified Epoxy Vinyl Ester Resins (EVER's) have been designed exclusively for the premium boat builder. Great care has been taken to address the premium boat builder's performance and production needs. The proven history of AME Premium Marine Resins is unmatched in the marine industry.

As one of the first premium resins ever designed for the marine industry, and now well into the second decade since the original formulations, **AME® Resins**

have a flawless record of providing long lasting performance that has yet to be equaled.

MAXGUARD® Gelcoats raise the Bar on Performance. Ashland's patented low-emission (LE) technology continues to deliver the enduring luster and finish expected from leading boat builders world-wide. Ashland's innovations continue to build our suite of gelcoat products, pushing gelcoat technology and performance to new levels.





Premium Marine Resins

AME® Premium Marine Epoxy Vinyl Ester Resins have a proven history of flawless, long lasting performance.

- > Proven history of blister resistance
- > Excellent surface quality
- > No foaming (due to patented F-Cat Technology)
- > Exponentially superior fatigue life
- > Boat-MACT compliance
- > Optimal mechanical properties
- > Superior hydrolysis resistance
- > Excellent storage stability
- > Available in closed-molding versions



AME® 6000 RESINS

- Pure Epoxy Vinyl Ester
- Highest HDT
- Improved productivity – fast rollout.
- Lloyd's Register Approved



AME® 5000 RESINS

- Excellent flex-fatigue life
- Exothermic control
- Low shrink

AME® 1000 RESINS

- Excellent flex-fatigue life
- High modulus
- ISO 12215-1 compliant

AME® VPRO Barrier Coat

- 100% Epoxy Vinyl Ester
- Outstanding surface profile
- Superior hydrolysis resistance
- Excellent resilience/toughness
- High modulus/high elongation
- Easily applied with typical boat shop equipment

General Purpose Marine Resins

AROPOL® Marine Resins are designed to provide boat builders with the ideal balance of application properties, mechanical properties, and value. The extensive line of AROPOL™ MARINE RESINS insures Ashland can offer the ideal formulation to optimize your boat building operations.

- > Five decades of proven performance
- > Boat MACT compliant
- > Good physical properties
- > User friendly processing
- > Good surface profiles



AROPOL™ Q 67700 RESINS

- Enhanced fatigue life
- Enhanced surface profiles
- 35% faster Barcol development
- Optimal wet-out of glass fibers
- Improved storage stability
- Premium isophthalic/DCPD chemistry

AROPOL™ L 67300 RESINS

- Enhanced application properties
- Good through cure
- Isophthalic/DCPD chemistry

AROPOL™ 8028 RESINS

- ISO 12215-1 compliant
- Wide array of liquid and curing properties

Fuel tank resins for gasoline, ethanol and diesel are available in open and closed molded versions.

- Hetrion and Derakane versions available
- UL 1316 approved for mixed fuel storage including ethanol
- Formulated to pass the USCG fire test in multiple fuel tank designs

Closed Molding Marine Resins

Marine Infusion Resins have been designed by Ashland to meet all of the different needs for closed molding applications by the premium boat builder.

AME® 6000 INF RESINS

- Pure Epoxy Vinyl Ester
- Optimal mechanical properties
- Superior elongation/toughness/HDT
- Excellent dimensional stability

AME® 1000 Q 6556 INF RESINS

- Modified Epoxy Vinyl Ester
- Excellent elongation/toughness
- Fast wet-out of glass fibers



AROPOL™ 63301 INF RESINS

- DCPD unsaturated polyester resin
- High impact strength
- Minimum air entrapment
- Good surface profile

AROPOL™ NLN 71500 INF RESINS

- NEULON® LPA technology
- Provides for state-of-the-art Class-A surfaces
- Industry leading profiles
- Room temperature processing
- Cures white
- Ultimate dimensional stability



ENVIREZ™ Q 11500 INF RESINS

- Low profile "green" resin
- 10% renewable resources
- Soybean oil and ethanol
- Excellent surface profile



AROPOL™ Q 16501 INF RESINS

- Very good surface profiles
- Room temperature processing
- Usable with a wide range of closed molding applications

Premium Marine Gelcoats

MAXGUARD® award-winning premium marine gelcoats are preferred by boat shops for their superior application properties as well as their exceptional weather and water-resistant finish.

MAXGUARD® WHITE LE GELCOATS

- Outstanding yellowing resistance
- Superior gloss retention
- Boat MACT compliant
- Superior application and spray properties

MAXGUARD® NCP COLOR GELCOATS

- Cutting edge weathering and blister resistance
- MACT Compliant
- Patent Pending Technology
- Rich, bluish resistant colors

MAXGUARD® 33LE COLOR GELCOATS

- Benefits of the MAXGUARD LE technology
- Fade and bluish resistant
- Invisibility of repairs

MAXGUARD® CR-03000 ProPatch Additive

- Fast curing and leveling (reduced sanding)
- Buff friendly with long-term patch invisibility

ENGUARD™ II-SERIES INTERIOR TOPCOATS

- Exceptional coverage per pound applied
- Moisture resistant
- Boat MACT Compliant
- Easy to clean

