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Who enables  
your innovation?  
We do.

Premium marine  
resins and gelcoats



## 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** have been the preferred and trusted resins for the most respected boat builders in the world for over 30 years. As one of the first premium resins ever designed for the marine industry, **AME resins** have a flawless record of providing long lasting performance that has yet to be equaled. 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.

**Maxguard™ gelcoats raise the bar on performance.** Ashland's Maxguard NRP white and NCP color gelcoats, as well as the reliable Maxguard LE technology continue to deliver the enduring luster and finish expected from leading boat builders world-wide. Our Maxguard NRX white gelcoats provide the flexibility and weathering performance required for demanding applications. Ashland's innovations continue to build our suite of gelcoat products, pushing gelcoat technology and performance to new levels.

The information contained in this brochure and the various products described are intended for use only by persons having technical skill and at their own discretion and risk after they have performed necessary technical investigations, tests and evaluations of the products and their uses. Certain end uses of these products may be regulated

pursuant to rules or regulations governing medical devices, drug uses, or pesticidal or antimicrobial uses. It is the end user's responsibility to determine the applicability of such regulations to its products.

All statements, information, and data presented herein are believed to be

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# 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 resins 6001

- 100% epoxy vinyl ester
- Highest HDT
- Improved productivity – fast rollout
- 5.2% tensile elongation

## AME resins 5001

- Excellent blister resistance
- Superior toughness and strength
- Low shrink

## AME resins 1001

- 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 ensures 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 marine chemistry

## Aropol L 67300 resins

- Enhanced application properties
- Good through cure
- Excellent glass wet out

## AME 6441-800PAT Tooling resin

- 100% epoxy vinyl ester resin
- 4.5% tensile elongation
- High HDT (245°F)

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

- Hetron™ and Derakane™ resin versions available
- 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 INF resins 6001

- Epoxy vinyl ester
- Optimal mechanical properties
- Superior elongation/toughness/HDT
- Excellent dimensional stability

## AME INF resins 1001

- Modified epoxy vinyl ester
- Excellent elongation/toughness
- Fast wet-out of glass fibers

## Aropol Q 67700 INF resins

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

## Aropol NLN 71800 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
- Fast cycle times achievable
- Capability to mold very large parts

# Premium Marine Gelcoats

## Maxguard™ gelcoats

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

## Maxguard SCP color gelcoats

- Best-in-class weatherability
- Low HAP
- Great blush, blister and crack resistance
- Easy to apply and repair

## Maxguard NRP premium white gelcoats

- Cutting edge weathering
- Superior blister resistance
- Exceptional application properties and cure through

## Maxguard NCP color gelcoats

- Balanced property, high weathering and blister resistance
- Patent pending rich, blush resistant colors
- Easy to apply and repair

## Maxguard MRR ultra jet black gelcoat

- Extreme depth of color
- High weatherability
- Repairs very well

## Maxguard LE white gelcoats

- Proven track record for more than 20 years

## Maxguard 33LE color gelcoats

- Benefits of the Maxguard LE technology
- Fade and blush resistant
- Easy to repair

## Maxguard CG-47 metal flake clear gelcoat

- High clarity and wide application window

## Maxguard NRX white gelcoats

- Exceptional flexibility
- High weathering