

Viking Yacht Company

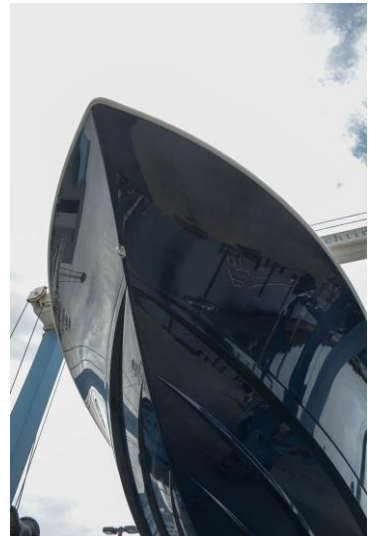
Pride in renowned manufacturing capabilities

Building a better boat every day is the mantra of the Viking Yacht Company. Viking prides itself on its renowned manufacturing capabilities. From the initial design to the finished product, Viking's highly regarded reputation is rooted in the company's commitment to produce 90 percent of the boat in-house. Except for components such as engines, transmissions, air conditioning units and electronics, virtually everything else is produced in-house by their talented workforce.

So, when Viking was looking for ways to improve efficiencies, reduce rework, and make higher quality composite parts, they reached out to INEOS. Working together we were able to develop a new modified epoxy resin to achieve superior finished products, without the inconvenience, added cost, and disadvantages of typical epoxy resins.

Today Viking is using the AME™ 6441 on all their large yachts, the new Vahalla center consoles, and even in their tooling. They have seen tremendous improvement in their surface cosmetics and a dramatic reduction in the rework needed to meet their high-quality standards. Most models have seen a 20% reduction in non-value-added post finishing.

“AME™ 6441 is a new generation of INEOS's modified epoxy resin that we currently use in production. We also selected the AME™ 6441 for the entire build process of the Valhalla project. The physicals on this modified epoxy resin out-perform any of the other marine resins currently on the market.” said Bill Heller, Viking's FRP Research and Development Manager.



AME™ 6441 Features and Benefits:

AME™ 6441 Series of products are high performance, modified epoxy resins, available in both open mold and infusion versions. These resins were specifically formulated to withstand the toughest demands of the composite tooling market, be able to be used as premium skin coats, and provide strong and durable structural laminates. With the highest heat distortion (HDT) available in the product line and a high elongation, it can withstand the elevated temperature and toughness demands for tooling and maintain an aesthetic, crack-free appearance even in closed molding applications. Its superior cosmetics and blister resistance allow it to excel as a skin coat resin in marine applications. The exceptional physical properties also allow it to outperform epoxy in structural applications, with none of the drawbacks of epoxy.

INEOS Composites

The AME™ 6441 modified epoxy resin was specially formulated to surpass the performance of standard marine grade epoxy resins giving customers better cosmetics and physical properties without the hassle. It does not need to be post-cured to achieve this and is fully compatible with traditional gelcoats, unsaturated polyester resins, and vinyl ester resins. Due to all of these attributes, this resin allows for faster cycle times, increased through put, and reduced rework, saving time and money for the end customer.

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