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**AMBERCOMPOSITES**

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Sunseeker

## Customer Spotlight

As a global leader in the design and production of luxury motor yachts, Sunseeker chooses materials that deliver high-performance. Composite materials enable Sunseeker yachts to plane over the water at 50 knots with relatively high-efficiency. Similar designs with traditional materials would require bigger engines and significantly more fuel. Amber Composites supplies epoxy tooling products for Sunseeker's hull, deck and flybridge production.

### REQUIREMENTS



- ▶ Improve dimensional accuracy for largest components including hulls, decks and fly bridges.
- ▶ Reduce production time.
- ▶ Reduce transportation and storage costs of large tools.

### AMBER SOLUTION



- ▶ Produced a customized high-precision paste system to fit Sunseeker's production processes.
- ▶ A light-weight and less-expensive sub-structure is now used offering a reduction in machining time, transportation costs and waste.
- ▶ A plug without seams reduced the amount of finishing the plug required, saving both labor and time.



# Marine

**AMBERCOMPOSITES**

Our materials are used by global leaders in the marine industry when mechanical performance and craftsmanship is paramount.

From high-performance woven and unidirectional prepregs to close contour casting and polyurethane and epoxy paste systems, we have the products to cover all your tooling needs.

Many yacht and boat producers choose Amber Composites materials for direct tool to part manufacture, relying on our technical and practical support to produce reliable and accurate constructions.

## WHY AMBER COMPOSITES

- ▶ We offer a full range of high-performance composite material
- ▶ We provide technical service that goes above and beyond the expected
- ▶ We lead the industry in response times

## Typical applications



### TOOLING (MASTER)

For plug production and master models or direct tooling of large structures such as decks hulls, fly bridges, spars and seamless patterns, we have a full suite of products that can be used from tooling board to close contour casting, polyurethane and epoxy paste systems, high-performance tooling prepreg, sealers, release agents, vacuum bags and all other consumables.



### MOLD CONSTRUCTION

Our HX series tooling prepregs have been successfully used across the range of vessel sizes from small amphibious craft to world-class racing yachts.



### FLOORING, GALLEYS, MODULES

We offer a range of component prepreg, manufactured in-house, ranging from low-temp to mid-temp epoxy curing systems. We also supply Nomex® honeycomb and cellite panels, an extensive range of structural adhesives and MS polymers and sealers.



### STRUCTURAL PARTS (RIGGING & DECKWARE)

Our specialised low temperature curing prepreg systems, available in woven cloth and unidirectional formats, offer the designer a wide range of design weights with glass and carbon reinforcements ranging from 100gsm to 1200gsm. Our unidirectional products can be tailored to design requirements with standard weights from 130gsm to 450gsm utilizing high-strength fibers.