

Composite Materials
for Marine

Lighter, Stronger, Faster – three qualities that are more important than ever in a world increasingly focussed on higher performance. Fortunately for the world’s top boat designers, SP, the marine business of Gurit, has been delivering those qualities for over 20 years. SP is a leading manufacturer and supplier of composite materials to the global boatbuilding market – integrating structural design, materials science, manufacturing technology and process engineering to ensure a solution tailored to individual specifications and needs. Such is SP’s expertise, its products are now used in more of the world’s top performance boats than any other manufacturer.



- **Superyachts**
- **Race boats**
- **Production**
- **Commercial/Military**
- **Spars**



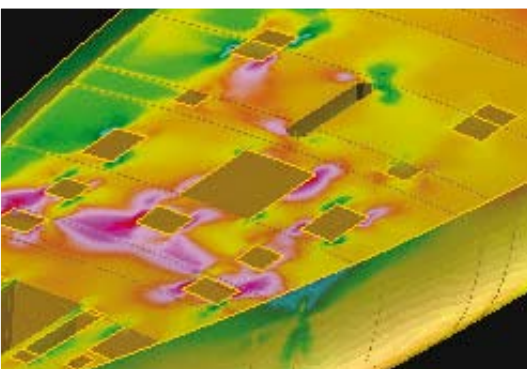
Innovation firsts

Over the last 20 years, SP has placed a premium on innovation that has established it at the forefront of composite materials manufacturing. Achievements include being:

- Instrumental in implementing advanced composites into marine structures
- First to provide a monocoque hull shell solution for race boats
- First to develop practical yet high performance prepregs for the boatyard environment
- First to use Finite Element Analysis as a practical design tool for composite boats

Unrivalled customer service

SP does not just focus on technical innovation: it is just as focussed on customer service. SP aims to develop long-term partnerships with customers, integrating marine specialists into projects to deliver the best solution. SP's worldwide network of representatives ensures smooth local supply and responsive support to the most remote of customers.



Unique product offering SP prides itself on an utterly flexible approach. Whether it is wet lay-up, infusion or prepreg, SP can provide materials to achieve your unique performance and reliability needs. They are from a range that has stood the test of time – from reinforcement fabrics to structural adhesives, laminating systems to prepregs, surface coatings to core materials, and liquid resins to vacuum consumables.

Technical excellence Dedicated teams of specialists with an extensive range of technical capabilities support SP's products. SP's world-class structural engineering team offers services at the planning stage, much of which is carried out with proprietary software. The team offers a range of services that include loading analysis, material and laminate specification, engineering methodology and construction procedures. The research and development team continues to develop new marine technology and offers internal and external mechanical and analytical testing, including laminate microscopy, cure process optimisation and customer sample analysis. The technical service engineers provide industry-leading, on-site technical support, delivering advice on production procedures and the optimal use of SP technology.

SP's innovative techniques have been tried and tested in some of the toughest environments, including the one-off race boat market. In the Volvo Ocean Race, SP's technology was evident in 'Il Mostro', the boat which secured PUMA Ocean Racing with second place. Also in the America's Cup, a large number of teams relied upon SP's structural materials.

SP has provided appropriate technology to rescue boats, military craft and leisure craft where performance demands toughness and reliability and our customers demand competitive manufacturing costs. Here innovative solutions such as SP's unique SPRINT® technology have been used to dramatically reduce production time whilst maintaining excellent laminate quality.

These technological benefits, derived from the application of SP's unique and comprehensive range of composite solutions, are now being successfully applied in the mainstream production environments and the dynamically growing Superyacht market, where the use of SP technology is enabling ever larger, more sophisticated designs to be realised.

Product Range

SP's reliable materials, highly focussed technical capabilities and efficient manufacturing technology continue to lead the way in advanced composites for the marine industry.

SP's comprehensive product range now includes:



- Thermoset prepregs
- SPRINT®
- Liquid resins for hand laminating, infusion and RTM
- Structural, film and paste adhesives
- Surface coatings
- Reinforcement fabrics
- Core materials
- Tooling materials
- Vacuum bagging materials
- Structural engineering design
- Mechanical, analytical and chemical support services



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Please go to www.gurit.com/marine for further information and to download the following:

- Product Data Sheets
- 'How to' Videos
- News/Case Studies
- Composite Guides
- Events Schedules
- Contact Details
- Product Brochures