

NEO 570C CRUISER RACER

Full carbon racer-cruisers that outperform expectations



THE NEO 570C: THE FUTURE OF DUAL PURPOSE YACHTS

The Mediterranean Grand Prix sailing circuit has served as the proving ground for new design concepts for decades. Paolo Semeraro and the team at Neo Yachts in Bari, Italy believe the Neo 570c racer/cruiser can be the latest game-changer on the scene.

Beginning with the Neo 400 in 2014, and followed by the Neo 350 in 2018, Semeraro's shop has a long history of turning out full carbon racer-cruisers that outperform expectations, with the 570c being no exception.

The idea for the 570c first commenced when Semeraro realized that the boat he wanted to sail wasn't available on the market; a fast racing boat designed to have the same speed and performance in the water as a TP52, which could also provide a level of comfort and layout suitable for family cruising. The stunning result is the NEO 570c, which embodies the future of dual-purpose yachts combining racing performance with high end design, styling and engineering.

OVERVIEW

Industry

■ Marine

TARGET

A true dual use, high-performance racer / cruiser

SOLUTION

Racing performance achieved through a full prepreg carbon fiber hull, deck, structure and interior

BENEFITS

Lightweight structure achieved through use of Gurit's high quality carbon prepreg and SPRINT™ materials

Gurit Customer Support
uk-customer.support@gurit.com

Gurit Technical Support
technical.support@gurit.com

www.gurit.com



The Interior of the NEO 570c# 1 CARBONITA

PUSHING THE BOUNDARIES IN NAVAL ARCHITECTURE

Looking for design inspiration for the 570c, Semeraro found Shaun Carkeek, a designer with a passion for creating innovative boats and keen to push the boundaries in naval architecture. Carkeek had a proven record of success and was eager to create a boat with a different design concept.

The 570c project commenced in earnest in 2019. Working with longtime partner and Gurit distributor Resintex, the NEO team selected a full complement of Gurit products to achieve the weight savings needed, opting for a full prepreg carbon fiber hull, deck, structure and interior.

Antonio Latini, world renowned carbon expert who led the build commented: "Using a combination of carbon prepreg and SPRINT™ from Gurit, our commitment was to accomplish a balance of lightness and strength, achieving a boat dedicated to racing and performance whilst also having comfort for cruising, making it possible to have a hot shower during the race, without too much of a weight penalty."

The build team worked with a direct female mould, utilising Gurit carbon SPRINT™ and prepreg for the hull, as well as Corecell™ M structural foam. The Ampreg™ laminating series, PRIME™ infusion and Spabond™ adhesive products were also key components for the interior.



The NEO team of Patroklos Tottas – Deckplan Manager, Paolo Semeraro – Project Manager and Anotnio Latini – Composite Manager

BUILT BY AN EXPERT TEAM

To achieve the seemingly impossible, a forward-thinking team was essential, Paolo Semeraro reported, "The build of the 570c required a team of special people; it was key to have a team who were not constrained by previous ideas and approached the build with a free mind. Every day we created something new. In this respect, it was key to have suppliers and products that we trusted. I have been using Gurit products since my first Neo 400 in 2013. Gurit's long experience in producing high quality, certified prepreg materials made them my first choice, and Resintex helped guide the decision process."

Laura Fabi of Resintex reports, "We have worked with Neo Yachts since 2014. Paolo is a great entrepreneur with an innate passion for sailing, surrounded by a network of experts, proud to support his projects."

Semeraro believes that there is a potential market among owners who are seeking both adrenaline and pleasure from their yacht.

The first NEO 570c #1 was launched in June 2022 and the female carbon molds are now ready to start #2.

About NEO Yachts

NEO Yachts & Composites are a state-of-the-art boatbuilder, based in Bari, Italy. They build a range of cruiser/ racer boats to be lighter, comfortable, and easy to sail with limited crews on board, working in conjunction with famous designers such as Carkeek. Their boats are designed with special attention to the latest evolution of the ORCi and IRC rules

<https://neoyachts.com/>

About Gurit

GURIT is specialized in the development and manufacture of advanced composite materials, composite tooling equipment, structural profiles and core kitting services. The product range comprises core materials, prepregs, formulated products such as adhesives, resins as well as structural composite engineering. Gurit supplies global growth markets such as the wind turbine industry, marine, architecture & building, transportation & rail and many more.

Gurit operates production sites and offices in Australia, Canada, China, Denmark, Ecuador, India, Italy, Mexico, New Zealand, Poland, Spain, Switzerland, Turkey, United Kingdom and the United States.

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Composite Engineering

Gurit Composite Engineering is the specialist consulting arm of Gurit Group, providing independent services within the field of Structural Engineering for Fibre Reinforced Polymers (FRP) and Carbon Fibre Reinforced Polymers (CFRP) since the 1980s.

A core team of around 40 qualified and dedicated composite engineers in the United Kingdom, France and New Zealand offers independent composite engineering services to designers and manufacturers and has a solid track record of key engineering services for racing boats, superyachts, production boats, workboats, cars, buses, civil and architectural structures as well as industrial components worldwide.