

## Brenta 42

**The new Brenta 42, designed by renowned Yacht designer Luca Brenta, has the look of a stylish day cruiser built to entertain its owners on day trips. The simplicity of the water lines and onboard comfort are hallmarks of the B-yachts shipyard which has always been a leader in the day cruiser field.**

Taking inspiration from the previous 38 foot model, it has inherited the philosophy and the basic approach: a very welcoming deck with minimalist furnishings and a very generous and high-performance sail plan of more than 100 square meters.

The stability of the yacht is assured by a ballast of more than 3 tons, which allows a very high ratio of straightening when compared to the total displacement. The full carbon fiber hull has a reduced draft keel with trim tab, a feature usually reserved for higher spec, larger yachts.

All riggings are controlled by the helmsman as they are located near the steering column, alongside the controls for the mainsail, the jib and the vang controls. The tacks are very low and the maximum beam width is up to the stern. Like all modern racer-cruisers the stern is completely open and has a large sundeck for guests.

In the construction of the yacht three different Gurit products were used. These included PRIME™ 20LV resin



which is specifically designed for use in a variety of resin infusion processes. It offers a much reduced viscosity and longer working time which makes it ideal for infusion very large parts with complex reinforcements in one operation.

Alongside PRIME™ 20LV the structural core material PVCeII™ G-Foam was used to add strength to the structure without adding too much weight. PVCeII™ G-Foam's other key features include outstanding chemical resistance, negligible water absorption, and excellent thermal insulation capabilities. It is compatible with most common resin systems including epoxy, polyester and vinylester.

The third Gurit product that was included in the construction was the structural

adhesive Spabond 340LV. Spabond 340LV is a high performance adhesive designed for bonding large structures such as yacht hulls and wind turbine blades. It is a cost-effective system with good thermal and mechanical properties.

All of the materials used in the construction for the Brenta 42 were supplied through Gurit's Italian distributor Resintex Technology, based in Frosinone Italy who were assisted by their Chief Technical Consultant and Project Manager Marco Arcuri.

The other project partners were:

Shipyard - Cantiere Nautico Anselmo Mauri

Project Management – Luca Brenta Yacht Design