



## WHY BROADBLUE?

### STRUCTURE

All Broadblue Catamarans are constructed to the highest standards. They conform to and exceed the European Recreational Craft Directive for Category A Ocean Going rated. Many catamarans built outside the EC do not have to conform to any of these standards.

### PARTICULAR FEATURES OF THE BROADBLUE

The hull construction is designed and engineered for blue water cruising. Our topsides have a stronger outside laminate to give greater impact resistance.

Our keels and lower hull areas have additional reinforcement to allow for grounding and will support the weight of the vessel if it dries out every day. As a result, the hull is stronger in general. The keels are sealed for buoyancy.

### HULL CORE MATERIAL

We use the most reliable core materials in our catamarans. Balsa is proven to give the best laminate to core adhesion, high compressive strength, good insulation qualities and long term life. Balsa is used above the waterline only. Below the waterline, we use solid glass so there is no chance of any core problems.

### BULKHEAD STRUCTURES

All Broadblue Catamarans have exceptional torsional rigidity, due to the two main torsional boxes formed by deep bulkheads forward and aft right across the catamaran. Many catamarans have far less structure and consequently are not as robust. All of our major bulkheads are vacuum bagged glass and high density foam core.

### HULL TO DECK JOIN

## **Multihull World**

[www.multihullworld.co.uk](http://www.multihullworld.co.uk)

Tel: 01243 377333 Fax: 01243 377378



Our hull to deck join is fully bonded the entire way around the boat, and cannot leak or fail.

#### RUDDER SKEGS

Our rudders are protected by a full skeg which is moulded as part of the hull. There are three bearings, the lower of which is incorporated in a stainless steel shoe. This system is incredibly strong and protects the rudder from damage. The skeg also protects the rudder and saildrive when the boat is beached.

#### TOPSIDE PROTECTION

Broadblue use a PVC replaceable gunwhale strip at the hull to deck join to prevent scuffing and damage to the topsides, whilst mooring alongside or using piling moorings.

#### DECK FEATURES

##### STRUCTURE

As with our hull, we use a tough laminate schedule, together with balsa core for strength and durability. Wherever there are fittings, we use reinforcing pads of marine plywood and extra laminates are added to take high loads and to protect the balsa core. As a result, our decks are incredibly strong and do not flex.

##### TOUGHENED GLASS WINDOWS

We do not use any plastic windows in the cabin of the Broadblue catamarans, as they craze, scratch, weaken and leak. Our windows are Category A ocean rated toughened glass in aluminium powder coated frames. They are stronger, require far less maintenance and look much better than plastic windows.

##### WINDOW/COACHROOF SUPPORT

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We mould mullions between each main window in the deck construction. These absorb the compression loads from the coachroof and strengthen the whole structure. All bulkheads are bonded to the hull and deck to complete the full monocoque construction.

#### FLAT DECKS

Our flat deck areas prevent risk of slipping and make it easier to work the vessel. We also have good moulded toe rails at the edge of the decks.

#### HELM POSITION

This is located at the point of generally least motion and protected behind the main bulkhead. There is ample room for all modern instrumentation, with ergonomically designed screens. Our steering systems are all hydraulic – they are self lubricating, powerful and allow the pilot motor to be integrated directly into the system for efficiency and reliability (most catamarans use wire/string and pulleys in their steering systems which are less reliable and absorb more power from the autopilot motor).

#### ANCHORING SYSTEM

The Broadblue anchoring systems are self launching / self stowing and can be raised and lowered from the helm position with the optional remote switch.

The chain has ample fall to self stow and it is not usually necessary to use a bridle. Many catamarans do not have such an effective or strong system.

#### ENGINEERING QUALITY

Broadblue Catamarans are quality engineered. All panels are removable for easy access and maintenance, we run wiring in conduits and the electrical panel is easily accessible for maintenance or addition of equipment.

#### SEAKINDLY RIDE

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Our hulls are designed for the quietest, seakindly ride due to the high, arched bridgedeck design and full bridgedecks, when compared with other catamarans. Our designs have over 40 years experience of designing and building serious cruising catamarans which is reflected in our latest generation of designs.

#### WINDWARD ABILITY

Our catamarans are particularly close winded and fast tacking without the need to back the headsail, due to the sophisticated hull , keel and rudder design.

#### INTERIORS

Our interiors are ergonomically designed for blue water cruising and the flow patterns have been studied to ensure ease of use. The raised saloon seating allows for all round vision.

#### GALLEY

Large sea going cruising galleys are fitted in the best position to provide full facilities with good stowage.

#### JOINERY QUALITY

Only the best quality will do for Broadblue catamarans.

All of our furniture is produced to the highest standards in our sister furniture manufacturing company. We produce quality, oak veneered furniture, with real oak cappings throughout our catamarans.

#### RESALE VALUES

As Broadblue catamarans are so well made, they retain very high resale values. We do not supply to the mass produced charter market, where it is quite usual to find a large volume of poorer quality boats for sale, resulting in massive resale value reduction for the private owner.

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#### SAFETY

As a result of all these features, Broadblue Catamarans are considered the safest and most robust catamarans built in their class and will look after you and your family.

#### CUSTOMER CHOICE

We recognise that all cruising clients have special requirements. At Broadblue, we can accommodate a range of customised options so that you get the boat you want and not what the manufacturers want to sell you!

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