



J/95 Construction

Quality Hardware: The best quality hardware makes sailing the J/95 easier and owning the boat more trouble-free. Standard hardware includes cast bronze centerboard system, custom cast lead keel, Edson leather covered wheel and steering system components, Hall Spars, Hall Quikvang, Hall standing and running rigging, Harken headsail furling, winches and deck hardware, Ritchee compass, Yanmar auxiliary engine with saildrive, glass mat battery, Sailtec integral hydraulic backstay, custom SS mast collar, mainsheet base, & pedestal guard and much more.

Performance Materials: The J/95 is molded with a vinylester barrier coat applied behind the durable CCP gelcoat finishes. This combination in the outer hull layer allows for the best hull blister protection available. The aircraft grade Baltec SB-50 end-grained balsa core is sandwiched between carefully selected and placed inner and outer skins of bi-axial and triaxial e-glass fabrics and is infused under vacuum for resulting composite parts that are stiffer and lighter than hand-layup. This construction system improves sailing performance due to better strength to weight ratios in the part and improves sailing comfort by reducing weight and lowering the vertical center of gravity (VCG) of the boat.

Infusion Construction: The J/95 hull, deck and main bulkhead are built with resin infusion construction. Infusion is a method of introducing catalyzed resin into a pre-layout of dry material under vacuum. Dry fibers are placed in mold, with the core material and this is then covered by a special flow cloth and a flexible vacuum bag, a high pressure vacuum is then applied and a series of resin tubes draw catalyzed resin into the part.

The result is a high quality method of production which produces results repeatedly and consistently. This allows dimensional control and regularity of weight and unlike a pre-impregnation process; infusion does not require special materials storage conditions, nor an oven.

An economic and reproducible process, direct positioning of dry fibers is easier and more precise than in traditional hand lay-up processes. It also allows controlled placement of fiber direction, as it is not impeded by gel times etc... The perfect control of the quantity of resin infused and the dry placement cloth make it possible to obtain extremely homogeneous finished parts.

The weight variation of the piece is very small (1 to 2%), a performance which is impossible to achieve with hand lamination.



Healthy Workplace: Working with dry materials does away with most exposure to resin & styrene, and does not require special protection, masks, gloves etc... During infusion and curing the styrene remains contained in the bag, thus reducing the emission of VOC (Volatile Organic Compounds) to less than 10 ppm.

