



Rigid Inflatable Boats (RIBs) for the Royal National Lifeboat Institute (RNLI)

The weight reduction resulting from the use of advanced composite materials for RNLI's Atlantic 85 Boats allows faster response times and lower operating costs.

We have manufactured the latest generation of RNLI inshore life boats since 2006 and eight sets of deck and hull structures will be manufactured for delivery in 2011. Our advanced composite materials solution for the deck and hull produces lighter, stronger and higher performing inshore craft.

By applying a carbon and glass reinforced sandwich construction process, we can cut the component weights by 25% compared with traditional polyester composite hull and deck structures.

The lean manufacturing process we use to produce the components results in a high performance laminate with low void content and high quality repeatable assembly over the operational life of the RIB.



Technical Specification

MATERIALS

Reinforcement: Sandwich Structural Foam Core with Carbon and Glass reinforcement fibre

Resin System: Epoxy

All materials resistant to salt corrosion and in-service fluids and contaminants.

Dimensions Length 8.3m Beam 2.8m

Weight Deck and hull components 660 kg

Operational Temperature: 35 knots

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