

DRAGONKRAFT

THE BIO-RESIN SPECIALISTS

APPLICATION STORY

'Green' Kayak Rides the Waves

After a successful canoe build for a Paris boat show, Dragonkraft were approached by Planet Riviera to build a rodeo Kayak with one of their moulds. The sport of rodeo kayaking is the use of specialized kayaks to perform acrobatic tricks and manoeuvres in rough white water. The kayaks are constantly subjected to bumps and abrasions so what better way to test the physical characteristics of any resin?

The kayak was built with our UV cured resin and standard glass layup reinforced with two longitudinal cedar wood stringers in two separate moulds, one for the deck and the other for the hull. The two halves were then glued together with a mixture of cab-o-sil and glass fibres then faired and painted. The boat performed very well given the challenging conditions it is subjected to and weighed the same as a roto-mold kayak of the same design.

Planet Riviera were very impressed and asked whether Dragonkraft could make a lighter model. Around this time we started working with our first bio-based epoxy resins and we decided to give these eco-resins a go. The result was a basalt (supplied by Basaltex), wood veneer and flax/glass composite boat that weighed in only marginally more than a carbon fibre boat with superior impact resistance. The kayak was very functional and it's solid build surpassed performance expectations in terms of build quality.

To learn more about team on 0161 785 1313 or e-mail contact@dragonkraft.com



Basalt rodeo kayak boasts
solid build quality

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