

DRAGONKRAFT

THE BIO-RESIN SPECIALISTS

APPLICATION STORY

Flaxland canoes afloat with Dragonkraft

Over the past year, Flaxland – manufacturers of flax based canoes have been using Dragonkraft bio-resin in the construction of their eco-friendly lightweight flexible canoes suited to sheltered waters, rivers and lakes - the 21st century evolution of skin on frame boats.

Flaxland canoes are built to harmonise with the environment with the covering being made from renewable natural flax. Traditionally crafts were covered with animal skins or tarred canvas and most recently petrochemical based technical fabrics.

New technologies in spinning and weaving have developed a flax fabric (linen) membrane to cover the frames. Thanks to developments by Dragonkraft in the bio-resin arena, the flax fabric is coated with a sustainable flax/linseed epoxidised resin which is cured with UV sunlight to maximise the total renewable content. This process waterproofs the craft. The Dragonkraft bio-resin system has successfully been used as an adhesive for the structure of the canoe also.



A Flaxland canoe



Flax fabric is coated with linseed epoxidised resin & cured under UV sunlight to waterproof the craft

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Flaxland canoes afloat with Dragonkraft (continued)

Simon Cooper at Flaxland comments “We have always had a vision to manufacture a canoe from 100% natural materials. Most bonding resins available on the market are manufactured from oil-based products, which have many health and safety concerns including worker handling of irritants and high odour chemicals. Traditional oil based resins use up scarce petroleum based resources whereas the Dragonkraft bio-resin system sources raw materials from 100% renewable sources. The Dragonkraft package is BPA (Bisphenol A) free and overcomes the concerns regarding handling and odours”.

Simon continues “We are delighted with the results. We now have a fully renewably sourced end product that is lightweight and shatter-resistant on impact with a long-lasting durable finish”.

To learn more about Dragonkraft bio-resins call the team on 0161 785 1313 or e-mail

contact@dragonkraft.com



Flaxland afloat with Dragonkraft bio-resins



The flax crop, dating back as far as Egyptian times

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