



Firmapresentasjon og produksjonsteknikk.

For more than 20 years aquarius has been creating kajaks and water-sport equipment which meets needs of different kinds of people. From the beginning the most important thing for us was the satisfaction of our clients and the moment when they were coming back to us. Every day our team works very hard to challenge the competition by developing the quality and introducing new ideas. We know that when high quality specialist is working on a high quality materials you can only get high quality product, that's why in our offer you can always find elegance, attractive shape, functionality and design. If for you paddling is a passion thanks to aquarius you can transform your passion into a lifestyle.

MATERIALS

All kajaks which we have in our offer are made from composite materials. We use three standard kinds of composite for production:

diolen/polyamide composite - high durability material, resistant to all weather conditions, all layers of mats and fabric are soaked with highest quality polyester and epoxide resins, giving kajak the stiffness. Used mainly for production of kanu and touring kajaks, in which a bit bigger weight is not a disadvantage.



diolen/polyamide
composite

diolen/kevlar composite - its basic advantage is a very good proportion of durability and weight. Usage of this material in the production process results in high resistance to blows and attrition, keeping the lightness and stiffness of the whole construction of kajak. Thanks to high flexibility kevlar sets in the form, which guarantees perfect finish. Mostly used in sea kajaks and fitness line kajaks.



diolen/kevlar
composite

carbon/kevlar composite - the lightest and the most durable composite from which we make our kajaks. Graphite fibres account for the big part of the material and thanks to that the kajak is rigid and resistant to blows and attrition. Additionally carbon has very attractive look, especially when the first layer is a transparent gel coat through which the carbon fabric structure can be seen. Made for clients who have special requirements looking for the lightest kajak.



carbon/kevlar
composite

TECHNOLOGY

The production of our kajaks is through processes:

Hand Laminating Process (HLP) - based on soaking with resins every layer of material using tools such as brushes and rollers

Vacuum Infusion Process (VIP) - based on vacuum suction of the resin surplus, which soaks the material layers. It is good for homogeneity of laminate thanks to which its structure gains more rigidity at lower weight than during manual laminating process.

