

HYPETEX[®]

COLOURED ADVANCED MATERIALS

Born out of Formula 1, Hypetex[®] is the world's first patented colouring technology for advanced materials.

Hypetex[®] materials are used to sustainably create stunning colourful aesthetics, with technical and cost-saving benefits, for lightweight and performance products for innovative industry-leading brands.

We offer bespoke engineering consultancy services with the highest quality colour matching, composite design, development, and manufacturing capabilities. Our Company prides itself on its ability to create exclusive solutions for our clients that meet their required specifications and targets.

OUR UNIQUE SUSTAINABLE COLOURING TECHNOLOGY

With an unlimited array of colours on a range of fibres and material constructions. Our colourisation process brings out the texture of the weave whilst maintaining the desired performance characteristics.



Optimised for different matrices and processes



Uses nano pigment technology



Minimal fibre areal weight change



UV stable to automotive standards



HYPETEX COLOURED CARBON FIBRE

Carbon fibre is an advanced material that enables lightweight performance benefits to most marine products, making them more efficient and faster at the same time. Often painted hulls or superstructures suffer print through or need re-fairing. This is avoided by Hypetex's paint-replacement technology. The superior stiffness of the material makes it ideal for protection in rough weather conditions. The strength and protection further allow weight reduction in carbon fibre vessels, because even a thinner hull can provide superior safety. The incredible stiffness to weight ratio allows to get over waves easier, for a smooth sailing.

+ INCREASED AESTHETIC VALUE

Embedding the colour in the composite allows for the removal of coloured paint and therefore susceptibility to paint chipping, offering almost-out-the-box cosmetic durability.

Unmatched 3D visual effect that provides depth, while allowing light to reflect off colour from different angles.



↗ ENHANCED PERFORMANCE

- Reduce weight improving performance achieve a higher tolerance to stress at a given weight where durability is critical
- Improve mass distribution to generate power
- No offset for paint thickness pushes the carbon plies to the extremities of the mould to increase modulus where stiffness is critical greater mechanical design freedom

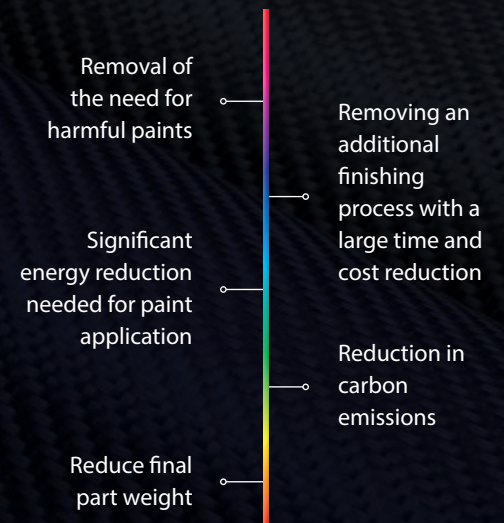


📄 COST SAVINGS

The colour on Hypetex[®] materials enable cost saving, reducing costly finishing processes. The paint-replacement technology eliminates the extra cost of re-painting.

🌱 SUSTAINABILITY

Hypetex's environmentally friendly advanced colouring solutions, added at the point of material manufacturing, has a significant positive effect on our environment and our ecosystem by:



Our eco-resins and natural flax material, called FlaxTex, combine to produce a complete eco-friendly coloured advanced material solution with stunning aesthetics. FlaxTex offers an environmentally friendly advanced composite solution for any product with 85% reduction of the cradle- to-gate CO2 footprint.