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Carbon Fiber Sandwich Panels



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Carbon Fiber Sandwich Panels

Description:

Carbon fiber sandwich panels combine lightweight carbon fiber skins with foam, plywood, or PP honeycomb cores. Offering high strength, corrosion resistance, and durability, they excel in aerospace, yachting, and construction. Customizable in Advantages: thickness (6 – 100 mm), weave patterns, and si face finishes (matte or glossy), these panels ensure Carbon fiber sandwich panels offer ultra-high tensile strength, lightweight design, smooth, glossy surfaces and easy processing. and excellent thermal conductivity. With superior durability and corrosion resistance, Vacuum-laminated for strong bonding, they provide they outperform fiberglass and steel, ensuring a long service life in harsh long service life and versatility for DIY and industrial environments. Their high strength-to-weight ratio and aesthetic appeal make them applications. ideal for yachts, aerospace, and racing cars. Fully customizable and easy to process, these panels provide reliable performance, replacing heavier materials like steel while maintaining structural integrity and efficiency. Common Parameters

Features:

- Lightweight with high strength-to-weight ratio
- Customizable core materials: foam (XPS, PET, PVC, PU), plywood, or PP honeycomb
- Carbon fiber skin with 3K twill weave, matte or glossy finish
- Thickness ranges from 6 mm to 100 mm
- Easy to cut, shape, and process with conventional tools
- Vacuum-laminated for durable, delamination-free bonding
- Available in bidirectional fiber orientation (0 $^{\circ}$ /90 $^{\circ}$)
- Corrosion-resistant and suitable for harsh environments

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