


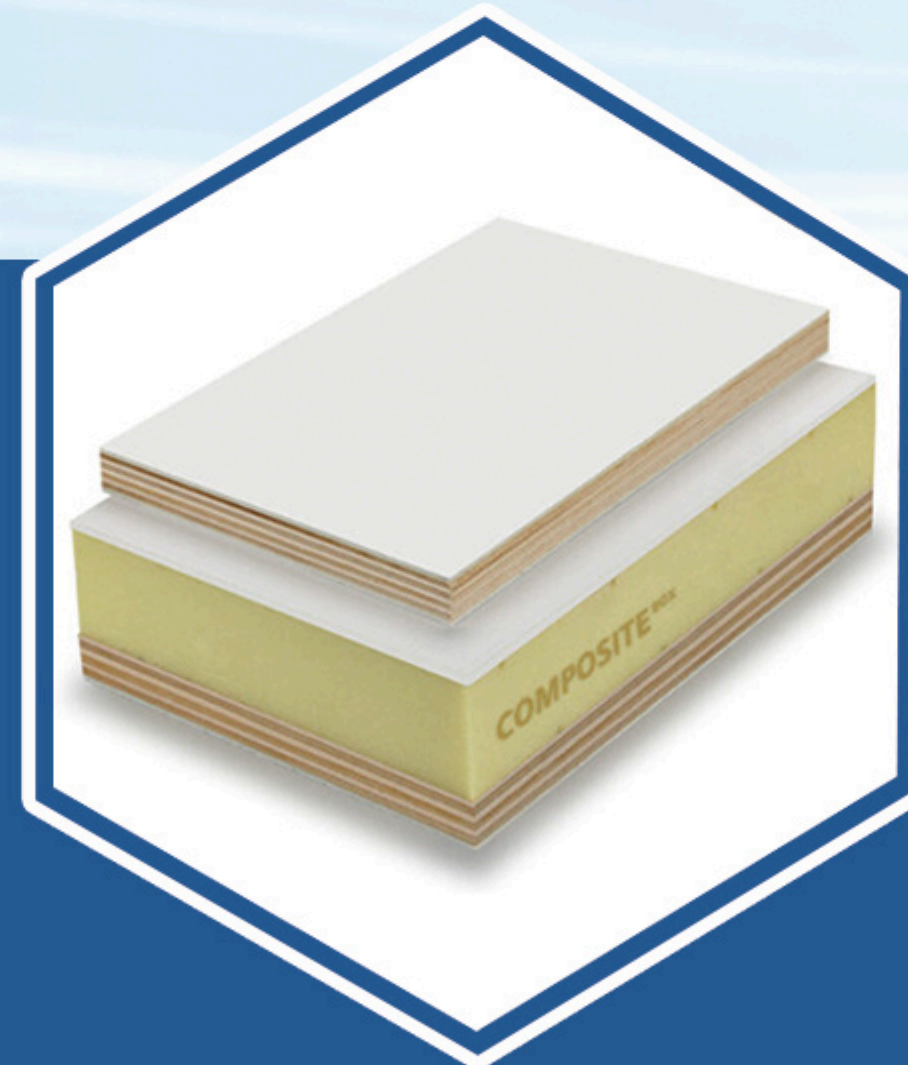
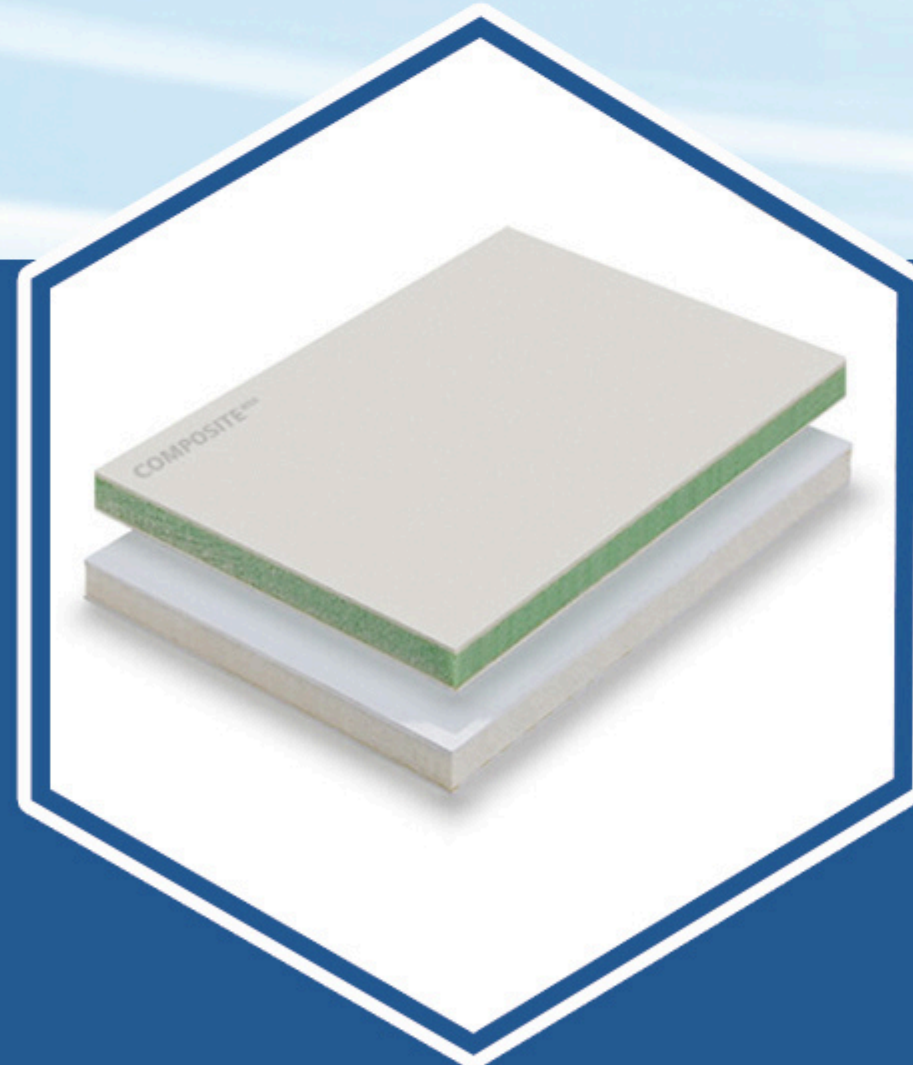
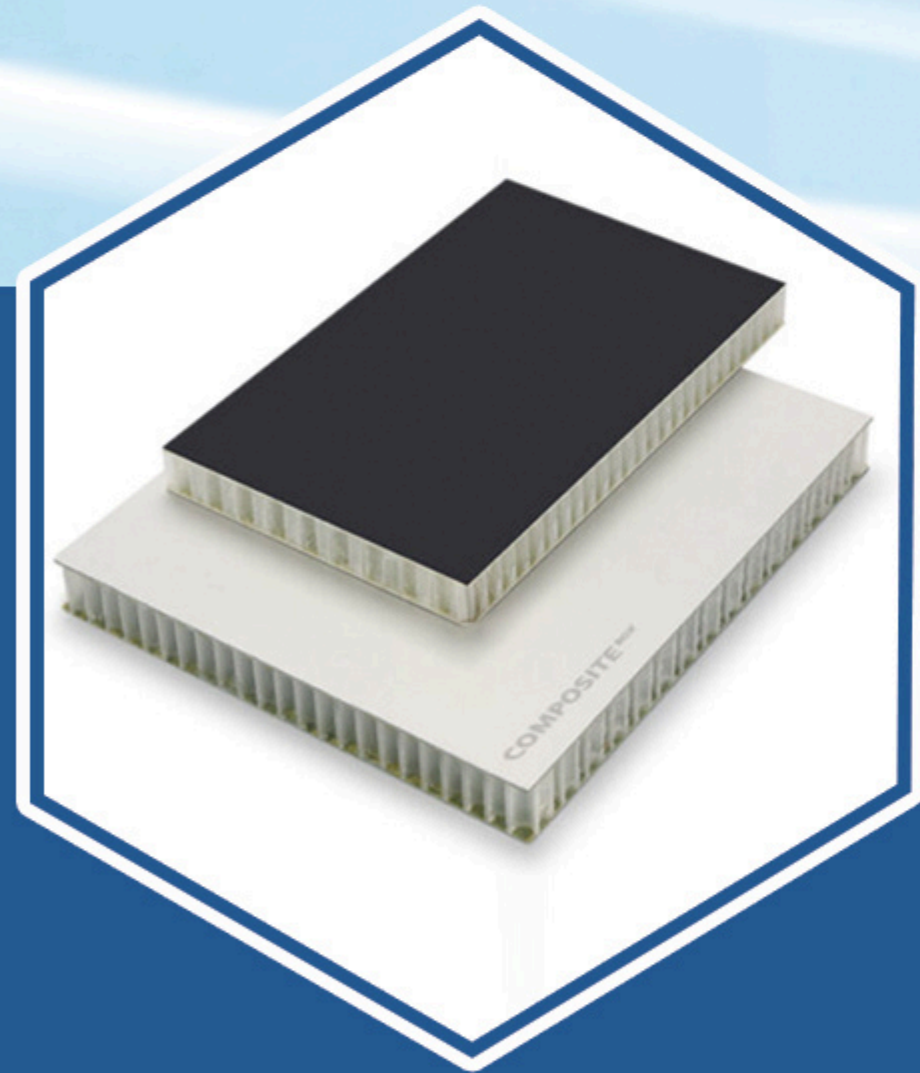
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Aluminum XPS Sandwich Panels

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Aluminum XPS Sandwich Panels

Description:

Aluminum XPS Sandwich Panels feature a lightweight XPS foam core with high-density aluminum sheets. They provide excellent thermal insulation (0.020-0.030 W/m · K) and low water absorption (<0.3%). With compressive strength of 250-800 kPa, they ’ re durable and corrosion-resistant. Customizable in thickness (0.2-2.5 mm), sizes, and finishes like embossing or color coating, they support CNC machining. Fire-retardant (B0-B1) and eco-friendly, they ’ re perfect for construction, transportation, and industrial applications.

Features:

These panels offer superior durability with a 20-40 year lifespan. The XPS core ensures high tensile strength (600-1200 kPa) and dimensional stability (<1.0%). Aluminum sheets, available in alloys like 1060 or 6061, feature surface treatments such as mirror polishing or electrostatic spraying. Operating effectively from -60 ° C to +80 ° C, they resist moisture and chemicals. Lightweight (2.5-6.5 kg/m²) and recyclable, they ’ re ideal for refrigerated trucks, RVs, and modular buildings with tailored design options.



Advantages:

Aluminum XPS Sandwich Panels deliver cost-effective, high-performance solutions. Their lightweight structure (2.5-6.5 kg/m²) lowers transport costs, while excellent insulation reduces energy expenses. Rustproof and durable for 20-40 years, they require minimal maintenance. Fully customizable, they meet diverse project needs, from cold storage to RVs. Easy installation and eco-friendly materials support sustainable construction. Composite Box ensures precision with advanced production and strict quality control, providing reliable panels for construction, transportation, and industrial applications.

Common Parameters

 Customer Satisfaction	 Quality Assurance	 Advanced Production Line	 Customization
Insisting on high quality products and servers, centered around customer experience	We strictly control every production process to bring reliable quality assurance to our customers	The world’ s top production line ensures product precision and efficiency	We provide 100% customization, making orders less difficult