

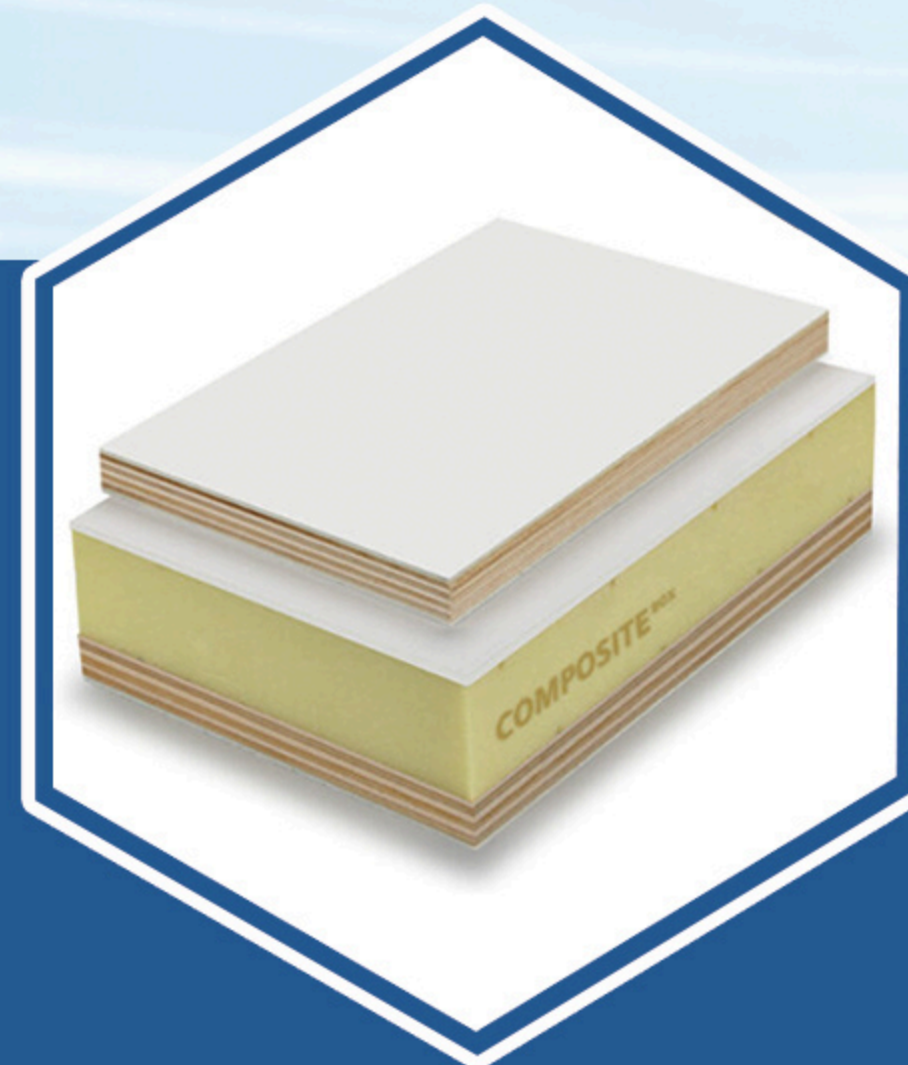
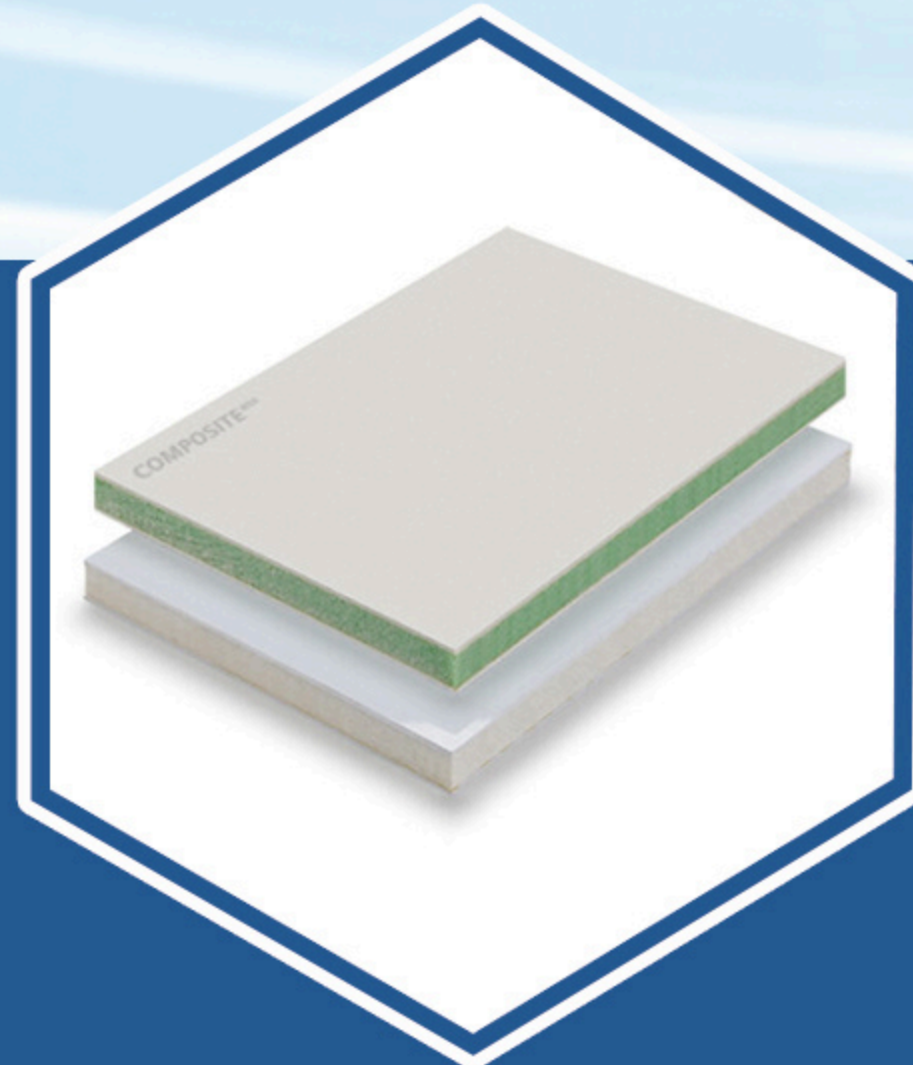
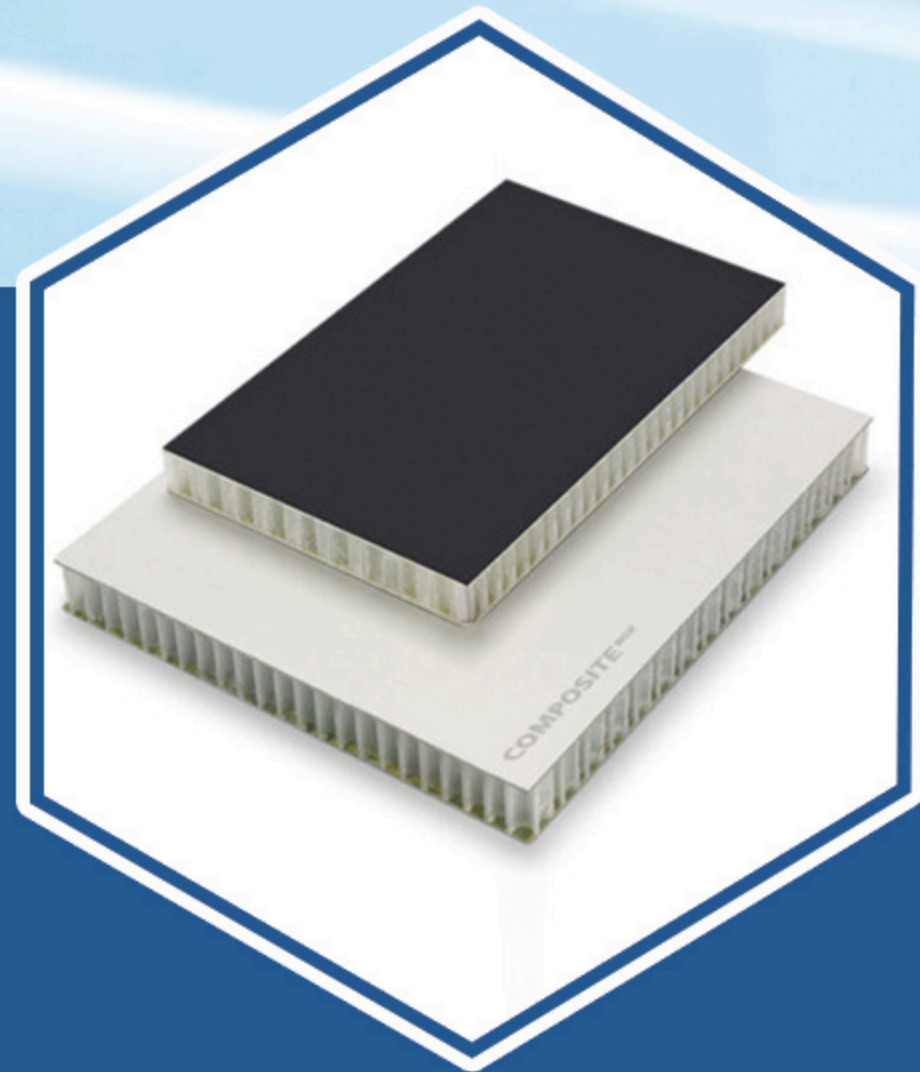
CONTACT US

Recyclable PET Foam

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Recyclable PET Foam

Description:

Recyclable PET Foam, manufactured by Composite Box, is a sustainable polyethylene terephthalate (PET) rigid foam designed for composite materials. Processed via closed mold forming and high-temperature prepreg techniques, it offers densities from 40 to 300 kg/m³. With excellent impact resistance, it serves as an eco-friendly alternative to wood, aluminum, XPS, PVC, and PUR foams. Ideal for applications like dry box truck bodies, insulation, and wind turbine blades, this foam ensures durability, stability, and a water absorption rate of ≤2%, making it a versatile choice for industries prioritizing sustainability and performance.

Features:

- Density: 38 – 200 kg/m³; Thickness: 10 – 130 mm, customizable.
- Thermal conductivity: 0.03 W/m · K; Water absorbency: ≤2%.
- Compressive strength: 1.5 – 2.5 MPa; Flexural strength: 10 – 15 MPa.
- 100% recyclable; High-temperature and flame-retardant properties.
- Easy to process with CNC machining and cutting options.



Advantages:

- Eco-friendly: 100% recyclable, lowers emissions and waste.
- Cost-effective: Replaces steel/wood, reducing production costs.
- Durable: 20-year lifespan, resists deformation and fatigue.
- Lightweight: Enhances fuel efficiency in transport applications.
- Safe: No toxic emissions, ideal for building curtain walls.
- Versatile: Supports adhesives, resin infusion, and custom machining.

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