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150mm Insulated Polyurethane Sandwich Panel



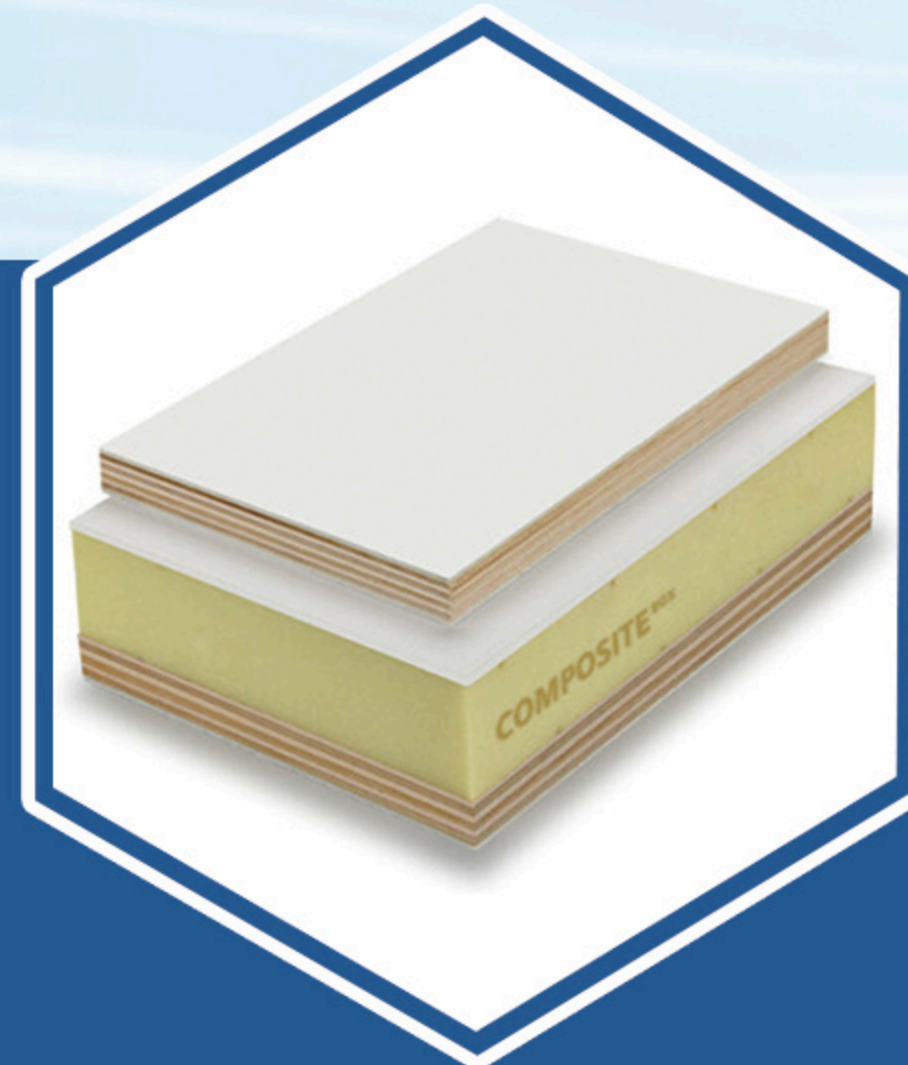
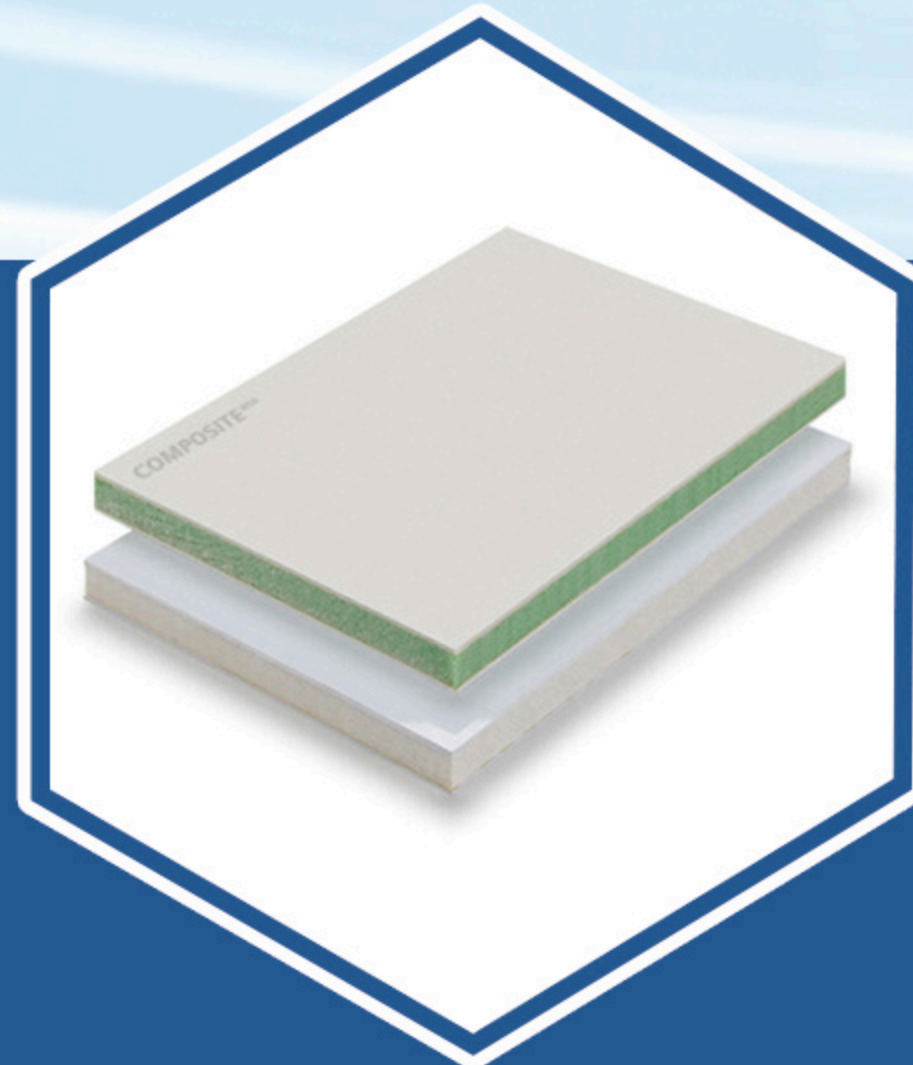
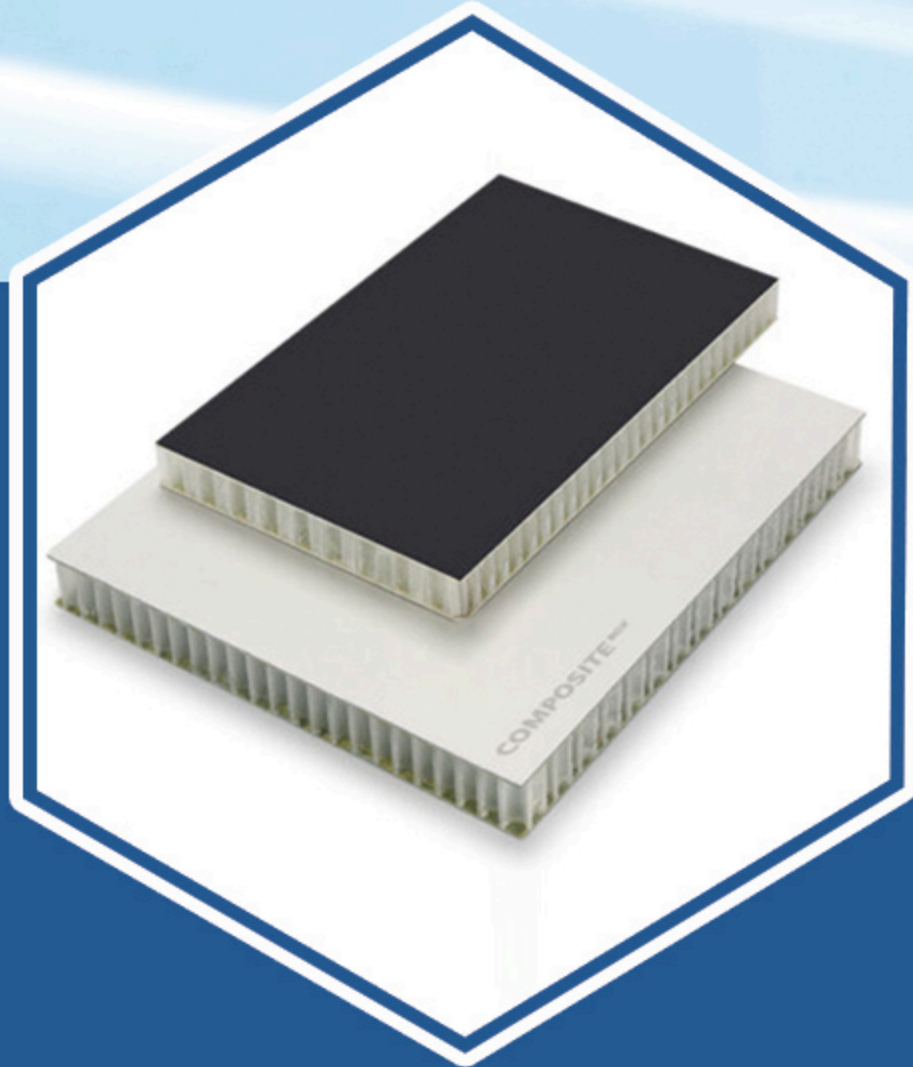
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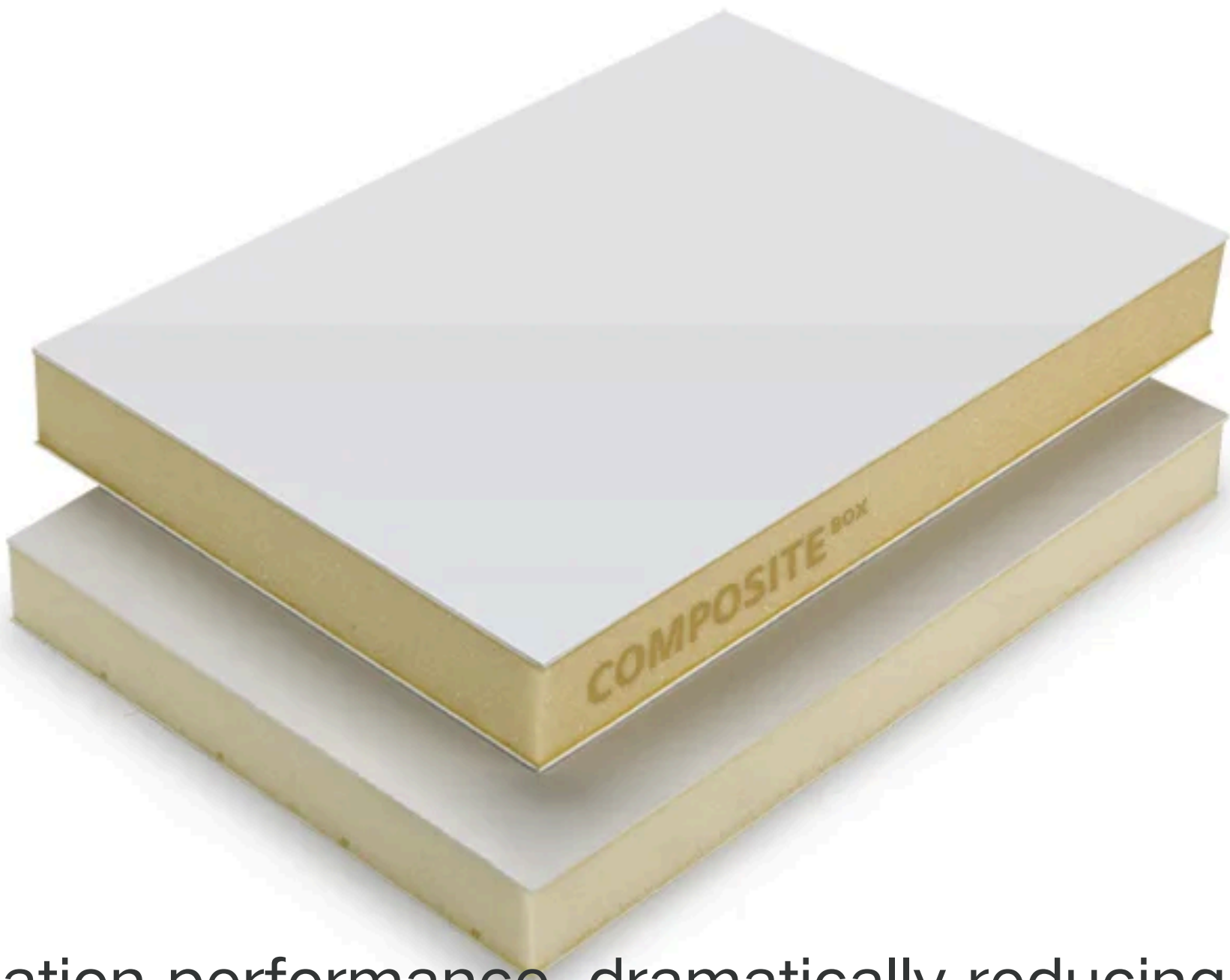
150mm Insulated Polyurethane Sandwich Panel

Description:

Composite Box 150mm insulated polyurethane sandwich panels feature a high-density rigid PU foam core ($41 - 46 \text{ kg/m}^3$) bonded between pre-coated galvanized steel, color-coated steel, or fiberglass (GRP/FRP) skins. With ultra-low thermal conductivity ($\leq 0.022 \text{ W/m} \cdot \text{K}$) and Class B1 fire rating, these panels deliver exceptional energy-efficient insulation for refrigerated trucks, trailers, cold storage, shipping containers, and building envelopes.

Features:

- 150mm thick rigid polyurethane foam core material.
- Density range of $41 - 46 \text{ kg/m}^3$ for strength.
- Outer skins: galvanized steel, color-coated, or fiberglass.
- Thermal conductivity $\leq 0.022 \text{ W/(m} \cdot \text{K)}$ for superior insulation.
- Class B1 fire rating per GB 8624-2012 standards.



Advantages:

- Provides outstanding thermal insulation performance, dramatically reducing energy consumption for refrigeration units and maintaining stable temperatures in extreme conditions.
- Ensures long-term durability with minimal maintenance required, offering a service life exceeding 15 years in demanding refrigerated and industrial environments.
- Offers lightweight yet high-strength construction, lowering overall vehicle or structure weight while delivering excellent impact and compression resistance.
- Supports complete customization of dimensions, skin materials, colors, and reinforcements, perfectly suiting refrigerated trucks, cold storage, containers, and specialized insulation projects.

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