

## CONTACT US

# PMI foam Core & Sandwich



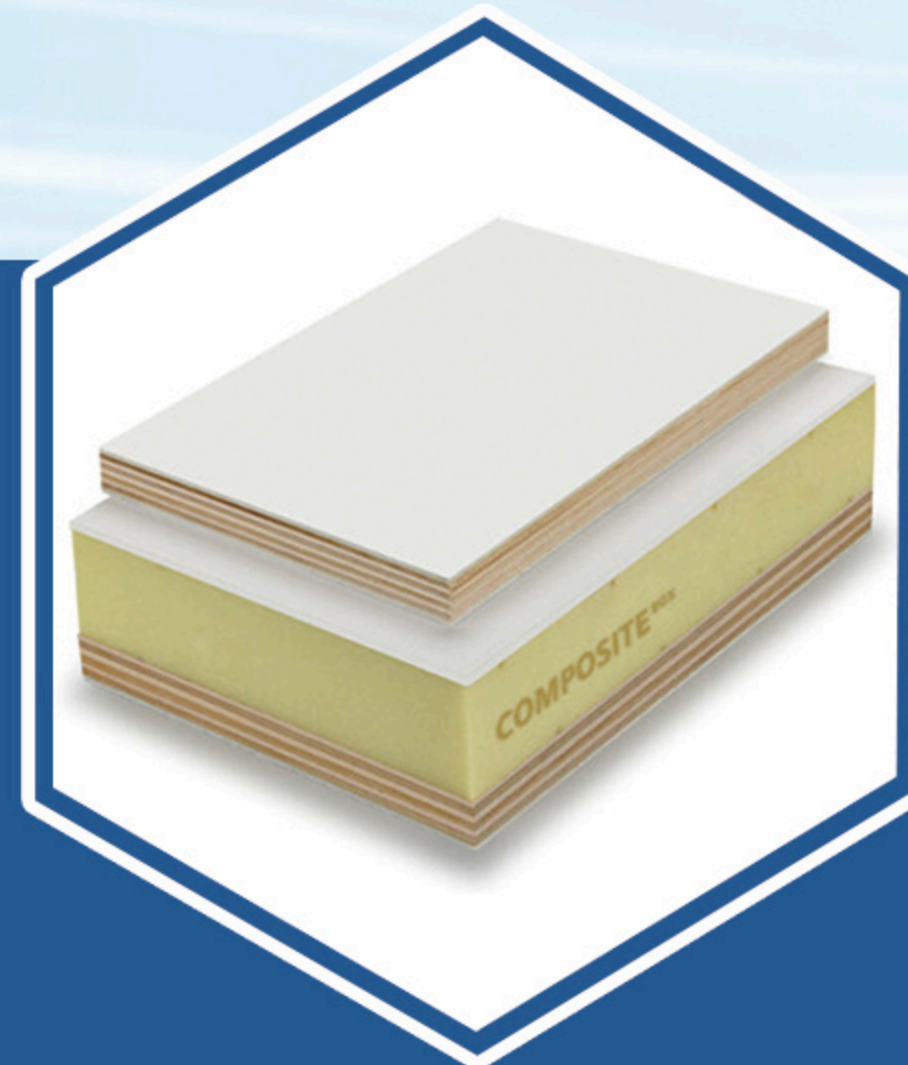
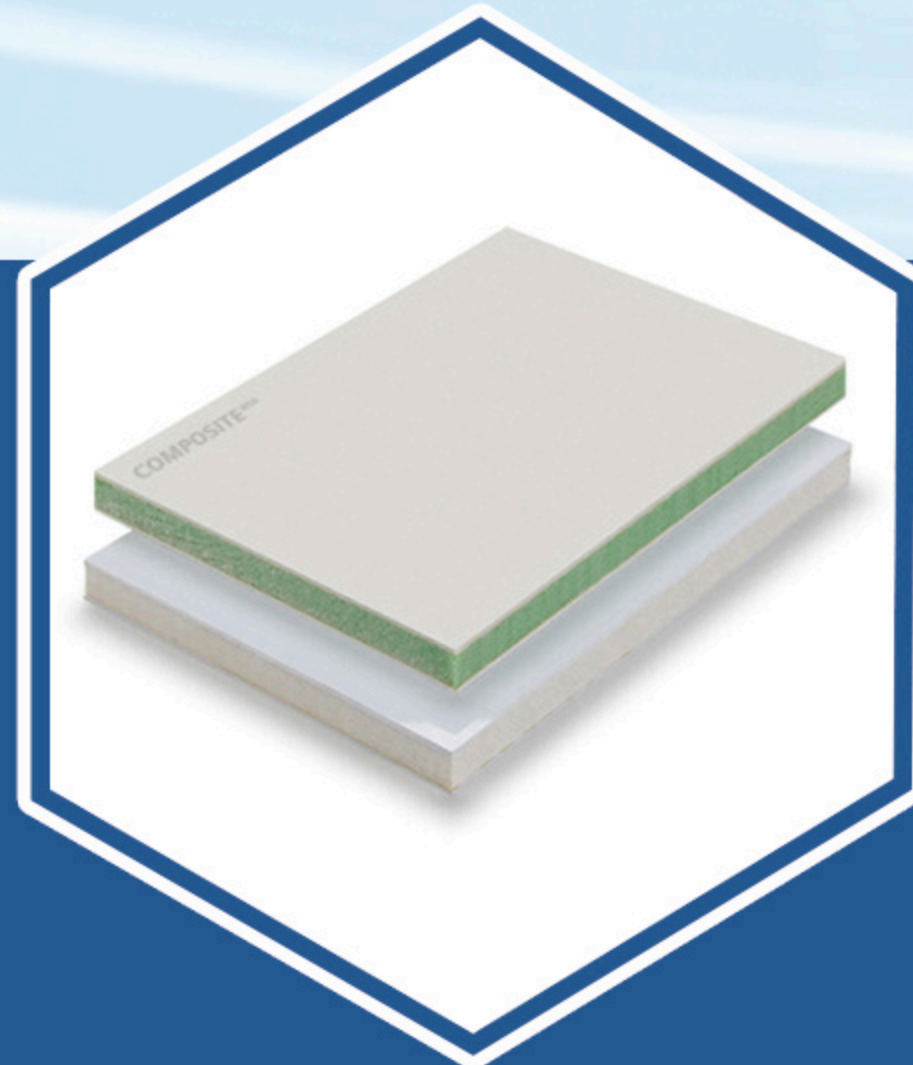
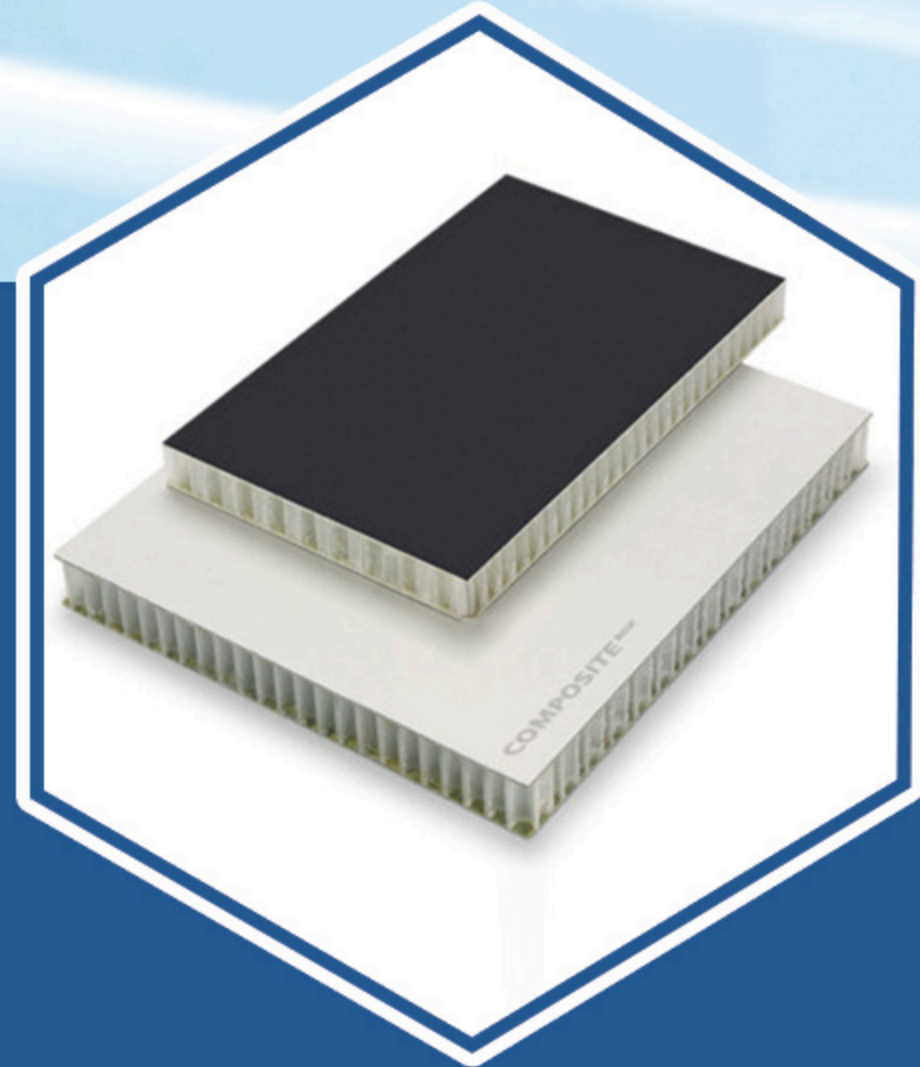
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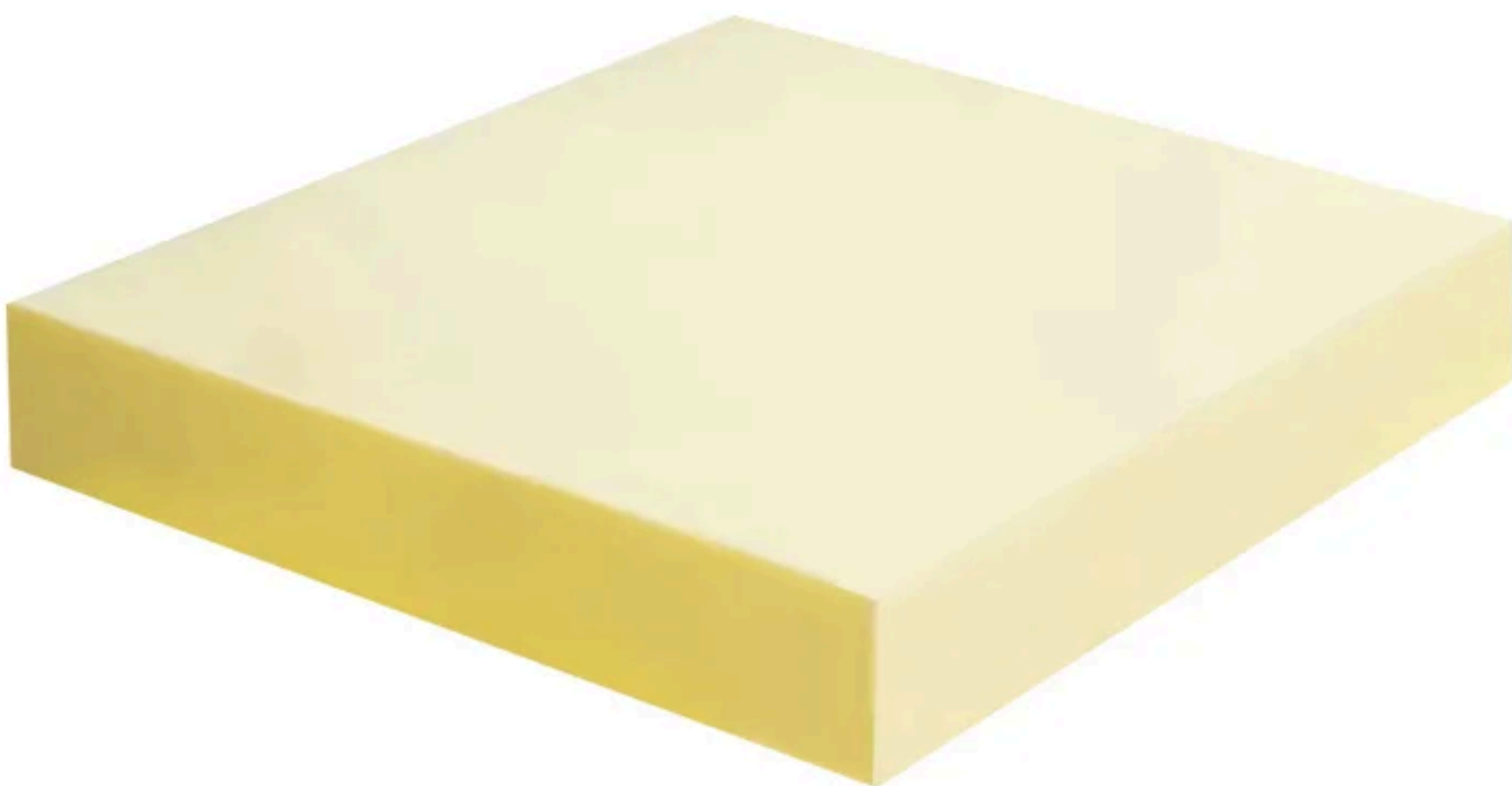
标题

Description:

Composite Box PMI foam core & sandwich panels utilize high-performance polymethyl methacrylamide (PMI) rigid foam with densities from 30 – 300 kg/m³. Offering exceptional specific strength, heat resistance up to 200 ° C+, superior fatigue resistance, and isotropic properties for complex shapes. Ideal for demanding applications in aerospace, rail, wind energy, and marine sectors, outperforming PVC/PET foams in strength and temperature tolerance.

Features:

- Closed-cell PMI foam with densities 30 – 300 kg/m³ range.
- Outstanding compressive and tensile strength at high temperatures.
- Heat deflection temperature exceeding 200 ° C for demanding processes.
- Isotropic structure enables easy curved surface molding.
- Low water absorption (<0.5%) and excellent chemical resistance.



Advantages:

- Provides 30 – 50% higher strength than PVC or PET foams at equivalent densities while maintaining superior heat resistance for high-temperature curing processes.
- Delivers exceptional fatigue resistance and dimensional stability under dynamic loads, ensuring long-term reliability in aerospace and wind turbine applications.
- Features isotropic properties and no moisture ingress risks unlike honeycomb cores, simplifying complex curved component manufacturing and improving performance.
- Offers environmental benefits through recyclability, no HCFC agents, and extended service life, reducing lifecycle impact across high-performance industries.

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