

PERFORMANCECORE™

Structural Composite Core Material

Description A core material produced entirely from composite components. *PerformanceCore*™ has extremely high strength and stiffness, is fire retardant and achieves a **chemical** bond with all types of resins and adhesives. It is compatible with a variety of manufacturing processes and is resistant to moisture, temperature changes, and exposure to fire or chemicals such as styrene. It is an ideal core material for an extensive range of applications.

Applications

- Bathware
- Transportation
- Marine
- Wind Energy
- Aerospace
- Defense
- Construction

Characteristics

- Extremely high strength, stiffness and dimensional stability
- Excellent fire performance
- Conformable to most surfaces
- Standard 1" squares scored & scrimmed in a wide range of thickness
- "Green" recycled materials
- Wide operating temperature range
- Excellent fatigue resistance
- Good sound and thermal insulation
- High impact strength
- 100% moisture resistance

Processing

- Contact molding (hand/spray)
- Resin injection (RTM)
- Adhesive bonding
- Compression molding
- Vacuum infusion



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