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PRODUCT LIST

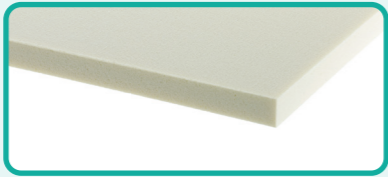
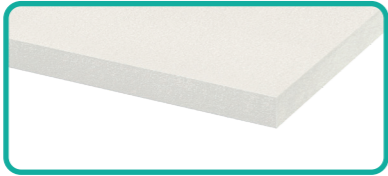
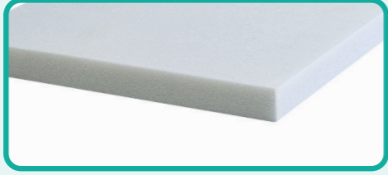
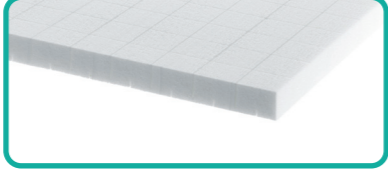
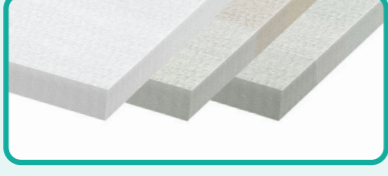




Structural core materials

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		Marine	Renewable Energy	Building & Construction	Rail	Automotive	Aerospace	Industrial	CHARACTERISTICS	APPLICATIONS	PROCESSING	Contact moulding (hand/spray)	Vacuum infusion	Adhesive bonding	Pre-preg (vacuum, press, autoclave)	Resin injection (RTM, VARTM)	Compression moulding (SMC, GMT)	Thermofforming	Thermoplastic	
AIREX® R82		•			••	•	•••	•	<ul style="list-style-type: none"> - fulfills most stringent fire requirements - operating temperature from -194 °C to +160 °C (-317 °F to +320 °F) - remains ductile at cryogenic temperatures - excellent dielectric properties (radar outstanding transparency) - very low moisture absorption 	Aerospace: Interiors, doors, tanks, radomes, rotor blades Automotive & Rail: Front-ends, side skirts, roof panels, interiors Marine: Fire resistant interiors, radomes Defense: Naval superstructures, antennas, Industrial: High temp. tooling, x-ray tables	✓	✓	✓	✓	✓	✓	✓	✓	✓	
AIREX® TegraCore™		•		•		•	•••	•	<ul style="list-style-type: none"> - low total cost fabrication - exceeds FAR 25.853 requirements: nearly zero smoke evolution, easily passes OSU heat release test - processing temperature up to 180 °C (355 °F) - very low moisture absorption - excellent hot-wet performance - available thickness from 1 mm+ 	Aerospace: Interiors, luggage bins, side walls, seat covers, galleys, trolleys Defense: Naval joiner work, radomes, antennas, ballistic spacers Marine: Fire retardant interiors, cladding Railway: Interiors, side skirts, roof panels Industrial: High temp. tooling, radomes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AIREX® T10		•••	•••	•••	•	•••		•••	<ul style="list-style-type: none"> - very high compression and shear properties - outstanding fatigue strength - homogeneous cell structure - easy to process with all types of resin and lamination processes - high process temperature up to 150 °C - available thickness from 1 mm+ 	Automotive: Structural and semi-structural parts of cars; sidewalls, floors, of trucks Renewable Energy: Blades (shear webs, shells), nacelles Marine: Hulls, decks, superstructures, bulkheads, stringers, interiors Industrial: Covers, containers, sport goods	✓	✓	✓	✓	✓	✓	✓	✓	✓	
AIREX® T90		•		•••	•••	••	•	••	<ul style="list-style-type: none"> - superior fire retardancy (FAR 25.853; EN 45545, EN 13501) - outstanding fatigue strength - excellent long term thermal stability up to 100 °C (212 °F) - best thermal stability in process up to 150 °C (302 °F) - good thermal insulation - available thickness from 1 mm+ 	Aerospace: Interiors, galleys, trolleys Automotive & Rail: Floors, sidewalls, front ends, interiors, roofs, engine covers Marine: Decks, interiors, superstructures Industrial: Covers, containers, sport goods Building & Construction: Roofs, claddings, domes, portable building	✓	✓	✓	✓	✓	✓	✓	✓	✓	
AIREX® T92		••	•••	•••	•	••		••	<ul style="list-style-type: none"> - easy to process with all types of resin and lamination processes - high process temperature up to 150 °C (302 °F) - outstanding fatigue strength - best-in-class resin uptake - very high chemical stability - available thickness from 1 mm+ 	Renewable Energy: Blades (shear webs, shells), nacelles Marine: Decks, hull sides, superstructures, bulkheads, transoms, interiors Industrial: Covers, containers, local reinforcements, x-ray tables, sporting goods Automotive: Truck body parts, floors	✓	✓	✓	✓	✓	✓	✓	✓	✓	
AIREX® TK90 and TK92				•••				•	<ul style="list-style-type: none"> - high thermal insulation (starting at 0.026 W/mK) – long-time stable insulation properties due to no water absorption even after decades and under high humidity - excellent mechanical properties, static and in fatigue loading - very good screw retention at higher densities - excellent long term thermal stability up to 100 °C (212 °F) 	Building & Construction: Balconies, facades, beams, bridges, walkways, window profiles, window/brickwork interface, door and windowsills, panels for thermal and acoustic insulation, structural roofs/domes Industrial: Covers, containers	✓	✓	✓	✓	✓	✓	✓	✓	✓	
AIREX® C70		•••	•••	••	•	••	•	••	<ul style="list-style-type: none"> - outstanding strength and stiffness to weight ratios - good impact strength - low resin absorption - high fatigue resistance - good fire performance (self-extinguishing) - high sound and thermal insulation - good styrene resistance 	Marine: Hulls, decks, bulkheads, interiors Automotive & Rail: Roof panels, interiors, floors, doors, partition walls, side skirts Renewable Energy: Rotor blades, nacelles, turbine generator housings Aerospace: Interiors, general aviation Industrial: Skis, snowboards, surfboards	✓	✓	✓	✓	✓	✓	✓	✓	✓	
AIREX® PXc/PXw		•••	•	••	•	••		••	<ul style="list-style-type: none"> - high shear and compression properties - replacement for wood and plywood - good fastener pull-out strength - high heat resistance - compatible with a wide range of resins and adhesives - dimensionally stable - high styrene resistance 	Marine: Transoms, bulkheads, stringers, engine beds, floors, interiors, tooling Automotive & Rail: Floors, sidewalls, roofs, engine covers, interior panels Industrial: Covers, tanks, containers, tooling and molds, local reinforcements, architectural panels, sporting goods	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BALTEK® SBC		•••	•••	••	•••	•••	•	••	<ul style="list-style-type: none"> - ecological product from controlled 3A Composites Core Materials plantations - controlled time from harvesting to kiln-drying: Optimized for vacuum infusion processes - full traceability and highest lumber quality due to strict process control from seedling to final product - broadest range of available balsa densities worldwide 	Renewable Energy: Rotor blades (shear webs, & shells), nacelles, spinners Marine: Hulls, decks, bulkheads, interiors Automotive & Rail: Floors, roofs, side skirts, front-ends, doors, interiors, covers Industrial: Tanks, containers, sport goods Aerospace: Floors, cargo pallets / containers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

••• = best choice •• = most suitable • = suitable