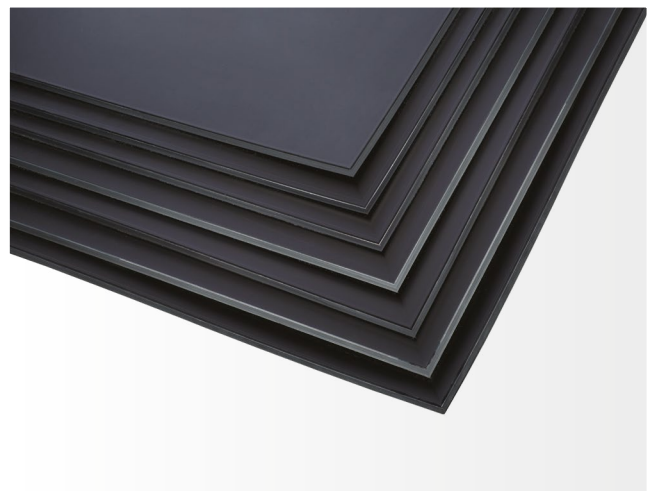
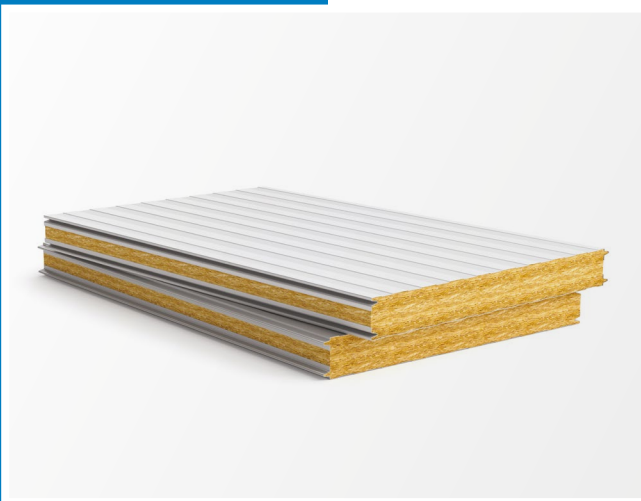
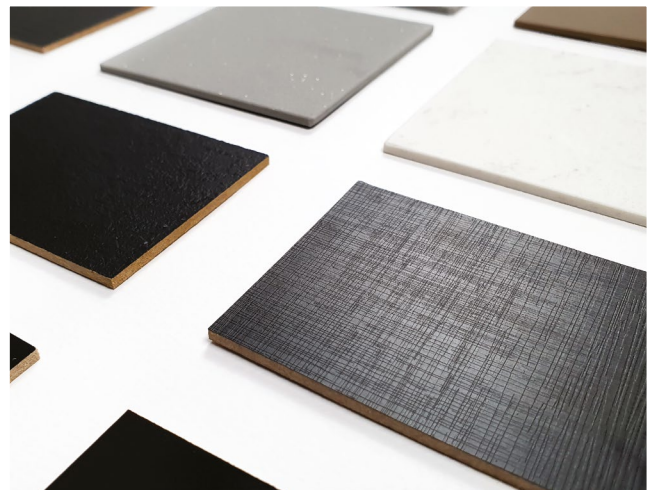




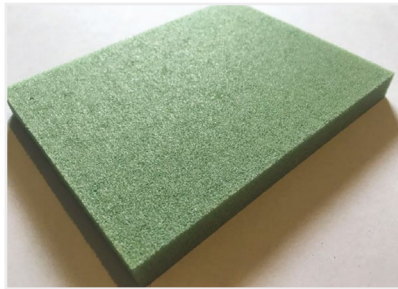
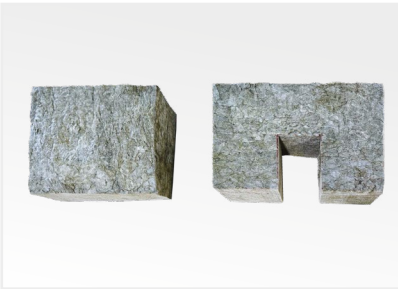
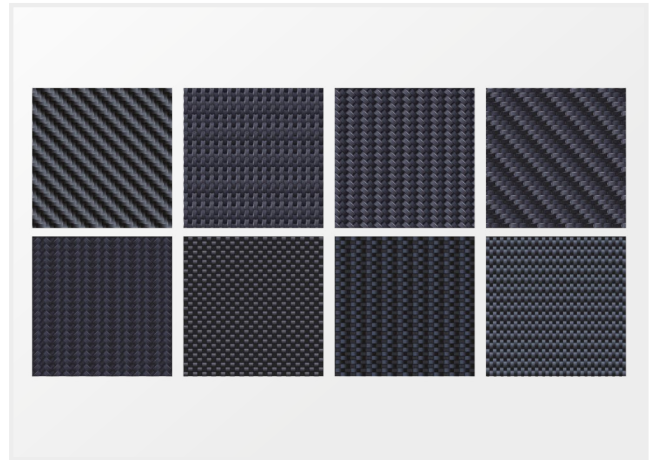
Advanced Performance  
Materials

# Fabricated Performance Lightweight Composite Panels and Components



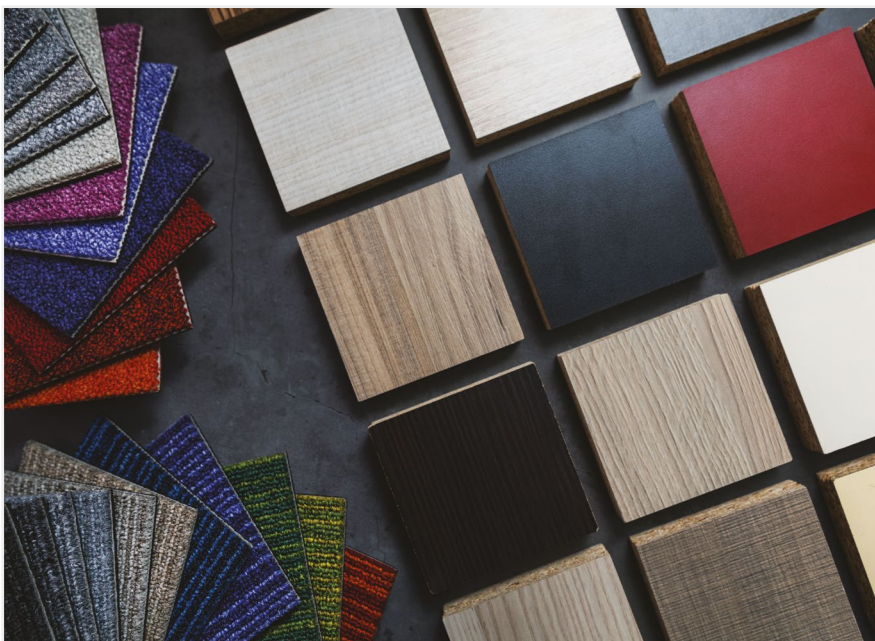
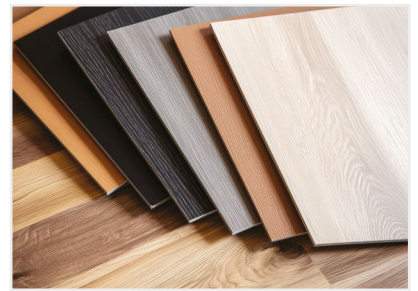
## Advantage

- ✓ Premium quality materials
- ✓ Ultimate weight to strength ratio
- ✓ Fully custom designed and fabricated
- ✓ Over 20 years of service life
- ✓ Fast production and delivery
- ✓ Ready to install products and solutions
- ✓ Locally made using domestic content
- ✓ Ultimate performance assurance
- ✓ Sustainable production, low carbon footprint
- ✓ Helps to reduce overall structural weight up to 70%
- ✓ Easy workability and provide worker safety
- ✓ Saves cost in the long run- installation and maintenance



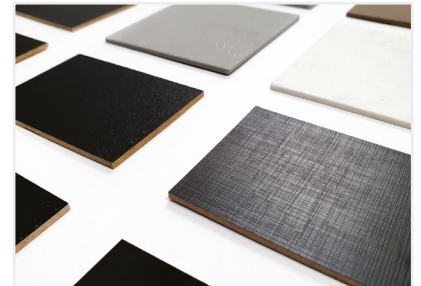
## Materials Specification

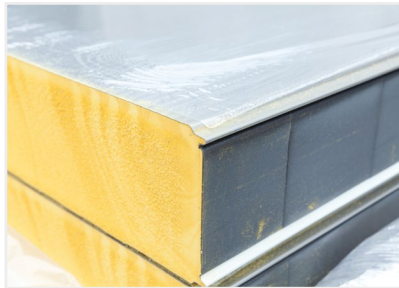
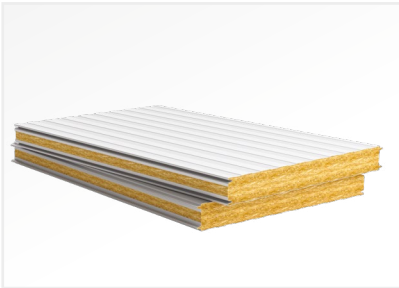
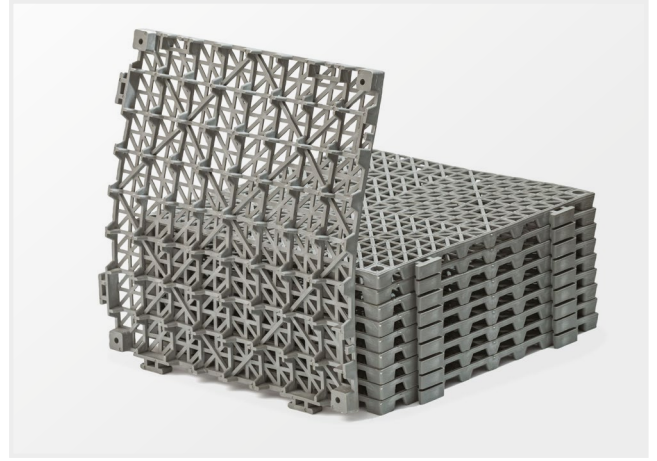
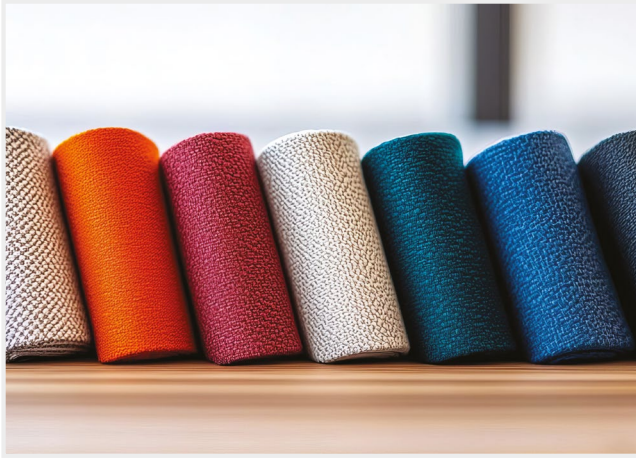
- ✔ Exceptional heat, UV stability and moisture resistance
- ✔ Extreme weather resistant, does not deform under extreme heat or cold
- ✔ Ultimate physical strength (compressive, tensile and bending)
- ✔ Resistant to deform under heavy load and pressure
- ✔ Ultimate shear and tensile strength
- ✔ Lightweight, excellent weight to strength ratio
- ✔ Ultimate corrosion and chemical resistance
- ✔ Saltwater resistance
- ✔ Exceptional fatigue and tear resistance
- ✔ Minimum water and moisture absorption
- ✔ Ultimate heat resistance and low thermal expansion
- ✔ Meet required fire retardancy standard
- ✔ Meet US, Canada and EU regulatory requirements
- ✔ Fully custom fabricated depending on project and design specifications
- ✔ Can be produced in complex shapes and sizes of any dimensions
- ✔ Reduce overall structural weight up to 70%, thus improving fuel and energy efficiency whenever necessary
- ✔ Service life over 20 years, minimum post installation maintenance cost
- ✔ Up to 70% recycled content materials
- ✔ No delamination throughout the service life



## Materials Available

- ✓ Performance Phenolic composite panels and components
- ✓ HPL laminated lightweight composite panels and components made of structural foam cores
- ✓ FRP laminated lightweight composite panels and structural components made of structural foam cores
- ✓ Thermoplastic laminated composite panels and structural components made of structural foam cores
- ✓ Thermal insulation composite panels and components made of Mineral wool, Fiberglass cores
- ✓ Thermal insulation composite panels and components made of PUR/PIR, EPS and XPS foam cores
- ✓ Interior decorative composite panels made of lightweight structural foam cores
- ✓ Fabric laminated interior decorative composite panels and component made of structural lightweight foam cores
- ✓ Flexible and lightweight thermal insulation panels and components made of Melamine foam core.
- ✓ Flexible and lightweight acoustic insulation panels and components made of Melamine foam core.
- ✓ Decorative lightweight interior panels and fabricated components
- ✓ FSK and Reinforced Aluminum foil laminated insulation panels and components
- ✓ Fully custom fabricated project specific panels and structural components





## General Interior Project and Interior Decoration

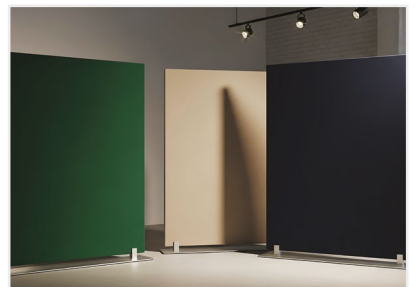
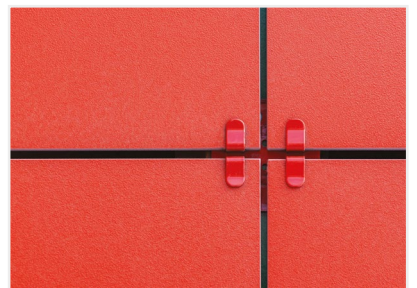
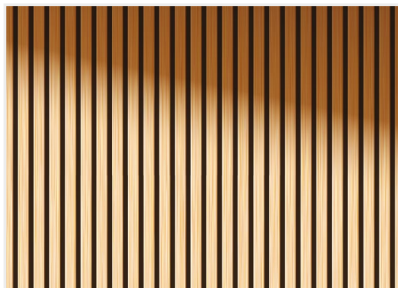
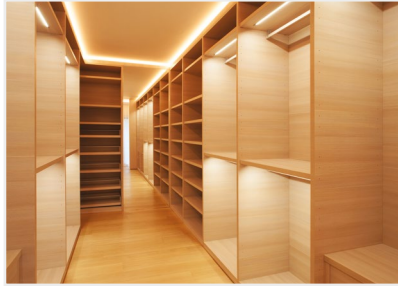
- ✓ Residential interior decoration panels
- ✓ Acoustic architectural interior panels and paintings
- ✓ Wall sound insulation panels and sound insulation laminates
- ✓ Radiation blocking panels and laminates
- ✓ Thermal insulation interior panels and sound absorption panels
- ✓ Acoustic decorative paintings and drawings
- ✓ Interior decorating glass panels and paintings
- ✓ All in one structural thermal and sound panels for interior construction
- ✓ Prefabricated acoustic insulation and sound absorption partition
- ✓ Acoustic and sound absorption blackout curtains
- ✓ Thermal insulation blackout curtains
- ✓ Project specific customized solutions





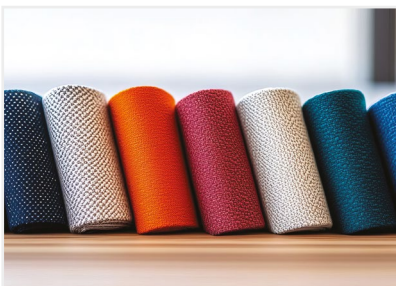
## Commercial Interior Project and Interior Decoration

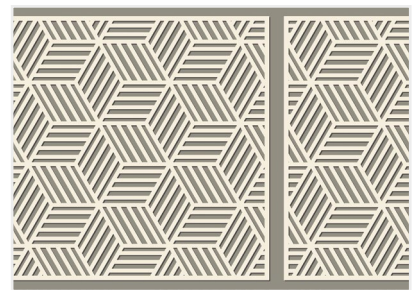
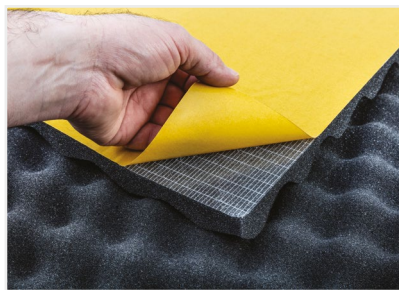
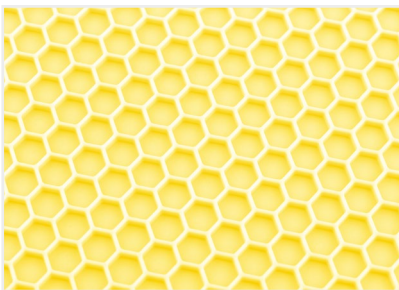
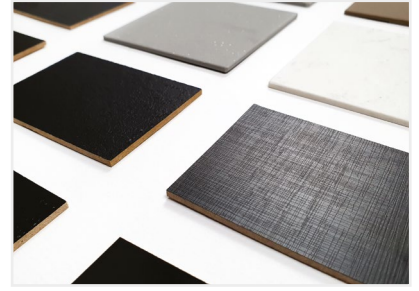
- ✓ Interior decorative panels and laminates
- ✓ Acoustic architectural interior decoration panels and paintings
- ✓ Commercial space wall sound insulation panels and laminated components
- ✓ Radiation blocking panels, components and laminates
- ✓ Thermal insulation interior panels and structural components
- ✓ Acoustic decorative painting for office, restaurant and airport
- ✓ Acoustic and sound insulation curtains and wallcoverings
- ✓ Fabricated acoustic panels for office and coworking space
- ✓ Ultra performance sound absorption decorative panels for studio, airport lounge and shopping center
- ✓ Dual functional thermal insulation and sound absorption curtains for interior decoration
- ✓ Prefabricated acoustic insulation and sound absorption partition
- ✓ Custom fabricated project specific thermal insulation and acoustic solutions
- ✓ Custom produced vibration blocking and damping panels and mats
- ✓ Laboratory vibration damping and radiation blocking panels, laminates and wall coverings
- ✓ Industrial and production space acoustic and sound insulation
- ✓ Industrial and production space vibration insulation



# Marine Interior Project and Decoration

- ✔ Cruise and yacht interior decorative panels and wall coverings
- ✔ Acoustic architectural interior decoration panels for cruise cabin and yacht
- ✔ Common space decorative sound absorption painting and panels
- ✔ Radiation blocking panels and wall covering
- ✔ Thermal insulation interior construction panels and components
- ✔ Acoustic decorative painting for interior and cabin space
- ✔ Acoustic and sound insulation curtains and wallcoverings
- ✔ Prefabricated acoustic insulation and sound absorption partition
- ✔ Dual functional thermal insulation and sound absorption curtains for interior decoration
- ✔ Custom fabricated project specific thermal insulation and acoustic solutions
- ✔ Custom produced vibration blocking and damping panels and mats for engine room

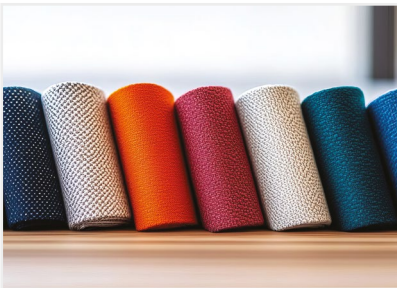
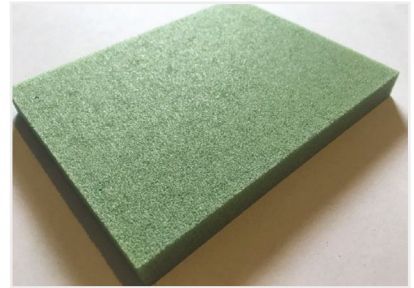
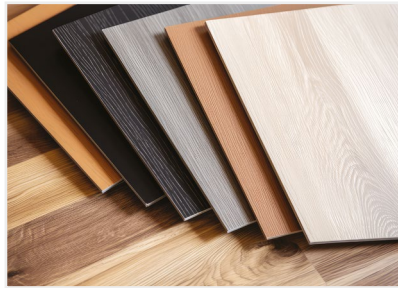
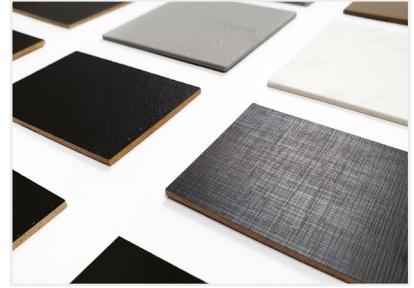
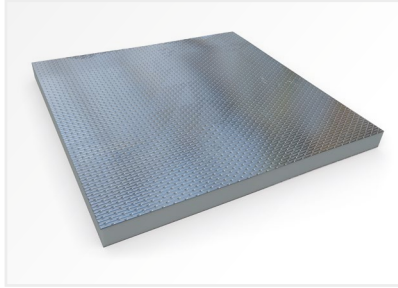




# Transportation Interior Project and Decoration

- ✓ Bus and train interior decorative panels and components
- ✓ Acoustic interior decoration panels for train and railcar
- ✓ Thermal insulation interior construction panels and components
- ✓ Vibration blocking and damping panels and components
- ✓ Dual functional thermal insulation and sound absorption interior panel and components
- ✓ Custom fabricated project specific thermal insulation and acoustic solutions
- ✓ Custom produced vibration blocking and damping panels and mats for engine room
- ✓ Acoustic laminates and wall coverings
- ✓ Thermal insulation laminates and wall coverings
- ✓ Radiation blocking laminates and wall coverings
- ✓ RV thermal insulation flooring, wall and ceiling panels
- ✓ RV interior acoustics wall coverings and panels
- ✓ Acoustic insulation and sound absorption partition









## Contact:

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