



PROJECT PORFOLIO

Cruise, Yacht, and Marine
Interior Project





At APM workshop, materials meet engineers, designers, fabricators, and installers. Our engineers and designers transform materials and associated components into ultra-performing structural panels, parts, and components for marine projects. We select the finest materials and components to produce products and solutions for cruise, yacht, and vessel super-structural and structural noise and acoustic insulation projects. As experienced professionals in the field, we understand each marine project is unique and requires, and because of that, we select materials based on project specifications and technical requirements. No matter the project's complexity, we have the necessary materials and expertise to complete a marine project successfully.



At APM, we offer our clients a complete turnkey solution from materials selection to design, fabrication, testing, certification, and installation.

We offer various products and solutions for various marine projects- structural, thermal and sound insulation. The materials and associated components used in our products and solutions are sustainable, lightweight, fire retardant, DNV GL certified, EPD certified, and 100% recyclable. Most of the structural core materials we use in products and solutions are manufactured in-house, and the necessary supporting materials

are sourced domestically, depending on the project specification and scope of work. Because of that, we can meet the highest quality and safety standards for any marine project. Our offered products and solutions meet local and federal safety and standard requirements. All our raw materials meet industry standards and requirements.

PRODUCTS & SOLUTIONS:

Structural thermal insulation project

- ✓ Mass fabrication of ready-to-install Aluminum laminated PU and PIR foam core-based interior structural thermal insulation panels, body parts, and components for cruise, yacht, and vessel interiors.
- ✓ Project-specific custom cutting and fabrication of marine structural thermal insulation parts, components, and larger structures from PU and PIR foam core sheets and boards.
- ✓ Fabrication and custom production of Thermoplastic (PET and PP) laminated PU and IR foam core-based structural insulation panels and large components for cruise and yacht interiors.
- ✓ Custom fabrication and production of PLA and Biopolymer laminated PIR and PU foam core-based insulation panels and large structures of any dimensions.
- ✓ Custom production of HPL phenolic laminated PIR and PU-based thermal insulation panels and large structures.
- ✓ Fabrication and mass manufacturing of PU-based structural insulation laminated, sandwich panels, and composite components of any dimension.
- ✓ Carbon fiber, fiberglass laminated PU, PIR foam-based super-thermal insulation panels, and large structural components.
- ✓ Thermoforming and mass production of structural insulation body parts and components.
- ✓ Structural insulation materials testing, standardization, and certification according to local standards.



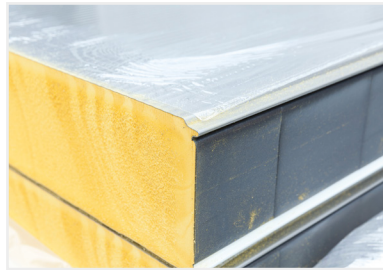


Material Specification:

- ✓ 100% recyclable and sustainable.
- ✓ Minimum carbon footprint, sustainable materials processing.
- ✓ Lightweight, excellent strength-to-weight ratio.
- ✓ Exceptional mechanical and physical strength.
- ✓ Ultimate thermal and heat insulation.
- ✓ Excellent temperature and pressure stability.
- ✓ Standardized flame and smoke retardancy.
- ✓ No water and moisture absorption.
- ✓ Excellent UV stability.
- ✓ Extreme weather resistant.
- ✓ Excellent service life.
- ✓ Meet EPA sustainability standards.
- ✓ EPD and DNV-GL certified.
- ✓ Meet US, Canada, and EU regulatory requirements.
- ✓ Easy installation and minimum maintenance.
- ✓ Excellent physical stability in hot and cold environments.
- ✓ Manufactured in USA.



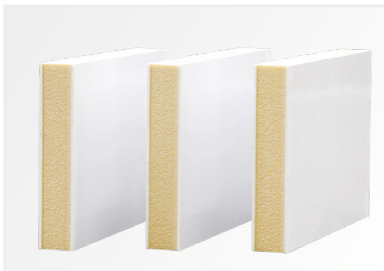
Thermal insulation material
PU/PIR foam sheet



Thermal insulation panel
Aluminum laminated PIR



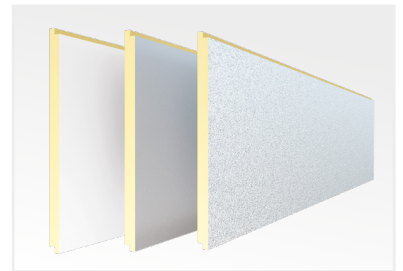
Thermal insulation panel
Polyester film laminated PIR



Thermal insulation panel
PET laminated PU/PIR



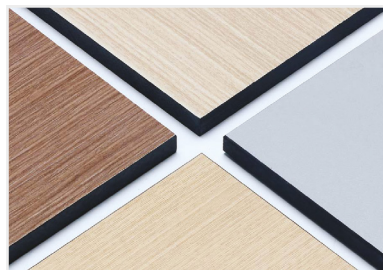
Thermal insulation panel
HPL Phenolic-foam
composite



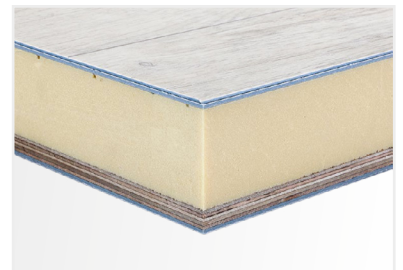
Thermal insulation panel
Thermoplastic laminated PIR



Thermal insulation panel
HPL laminated PU



Thermal insulation panel
HPL laminated cellulose
foam



Thermal insulation panel
PIR-Plywood-HPL composite

PRODUCTS & SOLUTIONS:

Structural noise and acoustic insulation project

- ✔ Fabrication and mass manufacturing of ready-to-install Wood fiber, Balsa, and Cellulose foam core-based cruise and yacht noise, as well as acoustic structural insulation panels, parts, and components.
- ✔ Project-specific custom cutting and fabrication of Polyester film laminated fiberglass composite sheets, structural noise

and acoustic insulation panels, and cruise and yacht interior components.

- ✔ Custom fabrication and manufacturing of Polyester and Fiberglass laminated Wood fiber, Balsa, and Cellulose foam core-based structural noise and acoustic insulation panels and large structures for marine interiors.

- ✔ Project-specific custom fabrication of Polyester film laminated PET, Cellulose, and PU foam core-based noise insulation panels and components for cruise and ferry interiors.

- ✔ Custom fabrication and mass production of HPL Phenolic laminated Cellulose, Wood fiber, and PET foam core-based sandwich composite acoustic insulation panels and components.

- ✔ Fabrication and mass manufacturing of PLA and biopolymer laminated Wood fiber, PU, and Cellulose foam core-based noise insulation panels and large structures for marine interiors.

- ✔ Custom fabrication and mass production of EVA-Cotton fabric laminated Wood fiber, Cellulose, and PET foam core-based sound insulation-absorption sandwich composite panels, parts, and components.

- ✔ Custom fabrication and mass production of Wood and Plywood laminated Wood fiber, Cellulose, and PET foam core-based sound insulation-absorption sandwich composite panels, parts, and components.



✔ Thermoforming and mass production of structural noise and acoustic insulation body parts and components.

✔ Structural noise and acoustic insulation materials testing, standardization, and certification according to local and industry standards.



Material Specification:

✔ 100% recyclable and sustainable.

✔ Minimum carbon footprint, sustainable materials processing.

✔ Exceptional mechanical and physical strength.

✔ Lightweight, excellent strength-to-weight ratio.

✔ Ultimate noise and acoustic insulation.

✔ No water and moisture absorption.

✔ Excellent thermal and heat stability.

✔ Extreme weather resistant.

✔ Standard fire retardancy.

✔ EPD, LCA, and DNV-GL certified.

✔ Meet US, Canada, and EU regulatory requirements and standards.

✔ Easy installation and minimum maintenance.

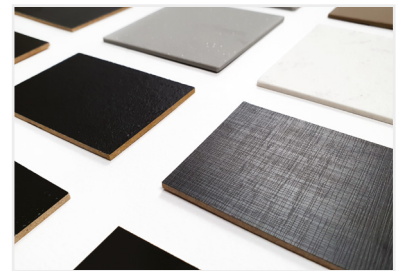
✔ Manufactured in USA.



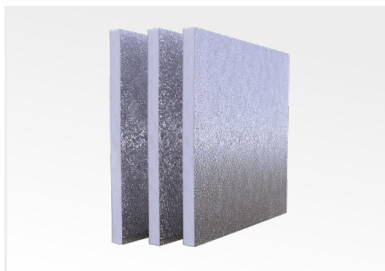
Noise blocking
Wood fiber sheet



Sound blocking
PET foam core



Sound insulation/blocking panel
Polyester film laminated wood fiber



Acoustic insulation/blocking
Polyester film laminated PET foam



Noise blocking/insulation
Biopolymer laminated Balsa wood



Sound insulation
PLA laminated wood fiber



Acoustic blocking
Cotton laminated wood fiber



Sound blocking
Cotton laminated PET foam



Acoustic blocking
HPL- wood fiber composite



Sound blocking
ceramic composite panel

PRODUCTS & SOLUTIONS:

Interior and exterior structural projects

- ✔ Fabrication and mass manufacturing of ready-to-install PVC, PET, PU, and Cellulose foam core-based structural panels, large parts, and components for cruise, yacht, and ferry interiors and exteriors.
- ✔ Project-specific custom cutting and fabrication of PET and PP laminated Cellulose, PVC, PET, and PU structural superstructures and large components for marine interiors.
- ✔ Project-specific custom cutting, fabrication, and mass manufacturing of PLA and biopolymer laminated PU, Cellulose, PVC, and PET foam core-based super-structural structural panels.
- ✔ Custom fabrication and production of glass fiber and Carbon fiber laminated Cellulose, PU, PVC, and PET foam core-based super-structural sandwich composite panels and large structures for cruise and ferry.
- ✔ Custom manufacturing HPL Phenolic laminated PU, PVC, and PET foam core-based structural sandwich composite panels and large structures for cruise and yacht interiors.
- ✔ Fabrication and production of Synthetic wood and Plywood laminated PU, PET, and PVC foam core-based structural panels and large structures for cruise and yacht interiors.
- ✔ Fabrication and mass production of Aluminum laminated PVC, PET, and PU structural composite panels and large parts of any dimensions.



- ✔ Thermoforming and mass production of super-strength structural body parts and components.
- ✔ Structural materials testing, standardization, and certification according to local standards.



Material Specification:

- ✔ 100% recyclable and sustainable.
- ✔ Lightweight, excellent strength-to-weight ratio
- ✔ Minimum carbon footprint, sustainable materials processing.
- ✔ Remarkable tensile and compression strength.
- ✔ Exceptional mechanical and physical strength.
- ✔ No water and moisture absorption.
- ✔ Excellent thermal and heat stability.
- ✔ Extreme weather resistant.
- ✔ Standard fire retardancy.
- ✔ Excellent service life.
- ✔ EPD, LCA, and DNV-GL certified.
- ✔ Meet US, Canada, and EU regulatory requirements and standards.
- ✔ Easy installation and minimum maintenance.
- ✔ Excellent cold and hot weather resistance.
- ✔ Manufactured in USA.



Structural material
High-density PVC foam board



Structural material
Aluminum pane



Structural material
Phenolic panel



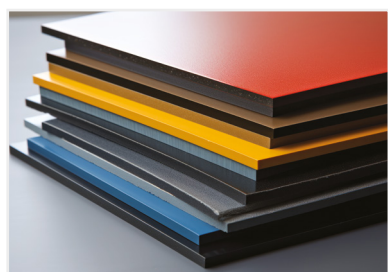
Structural material
HPL laminated panel



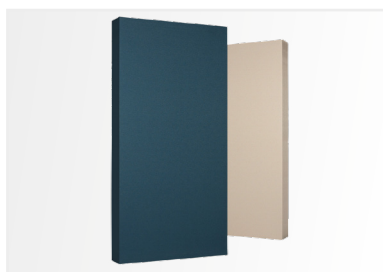
Structural panel
PP laminated PVC foam core



Structural panel
HPL laminated wood panel



Structural panel
PET laminated PVC foam core



Structural material
PLA laminated PVC foam core



Structural material
HPL laminated PVC foam core




Structural panel
Aluminum-PET composite




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