

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-259
Item to be Scouted	Wood Felt Acoustic Wall Panel
Days to be scouted	45
Response Due By	10/13/2024
Description	Wood strips on acoustic felt
Notify Requester Immediately	
State item to be used in	Vermont

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	a. Recycled PET felt production b. Millwork – finished wood production (wood veneer on MDF)
Provide dimensions / size / tolerances / performance specifications for the item	a. Overall panel size – approx. 600 mm x 2400 mm x 20 mm thick b. PET felt – 9 mm thick c. Wood veneer MDF slats (profile wrapped on min. 3 exposed sides): i. 27 mm w x 11 mm thick ii. 13 mm gaps between wood slats
List required materials needed to make the product, including materials of product components	Recycled PET felt (50% recycled materials) MDF Wood Veneer – white oak
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	Must attain Class A fire rating.
Are there any other standards, requirements, etc.?	Yes
Details	- Must meet min. NRC 0.87 - Felt to be grey - Wood veneer to be white oak
NAICS 1	238310 Drywall and Insulation Contractors
NAICS 2	
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	one time purchase of 7,409 Square Feet
Estimated target price / unit cost information (if unavailable explain)	Approx \$300/panel
When is it needed by?	Summer 2025
Describe packaging requirements	No requirements, Product must be delivered undamaged.

Where will this item be shipped?	Norwich University, Northfield VT
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Additional Comments

Is there other information you would like to include?	Contact for BABA: Alya Staber Jones Architecture alya@jonesarch.com
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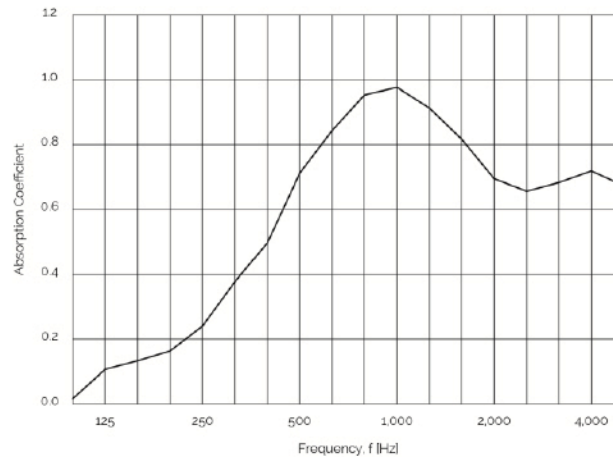
Specifying Akupanel

Division 6 (6400 Architectural Millwork)

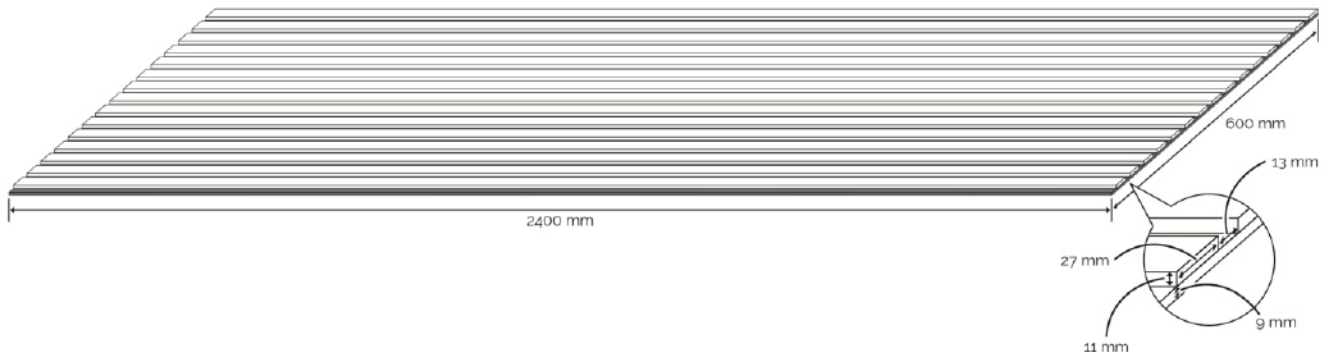
Veneer faced Akupanel is a stock item for Interlam. Lead time for in stock panels is 1-2 business days to pack and prepare for shipping. Non stock panels generally have a 1-4 week lead time depending on quantity or availability of raw materials. Lead times are determined upon receipt of payment and current inventory, which are based on a "first-come, first-served" basis and are dependent upon our current work load and inventory. Interlam does not charge nor accept additional charges to rush orders. All orders are processed as quickly as possible in the order they are received.

General Description:

The Akupanel product offers customers the beauty of natural wood veneer or the option of decorative HPL with the added benefit of superior sound absorption and lowering noise reverberation time. As shown in the graph below, the panel obtains an absorption coefficient of 0.97 at 1000 (Hz).



Akupanel is composed of Black PET Polyester Fiber, Black thru colored MDF that can be faced with either real wood veneer or HPL (high pressure laminate). Nominal panel sizes are 600mm x 2400mm x 20mm (23 5/8" x 94 1/2" x 13/16"). Each strip is 11mm thick and 27mm wide with a 13mm gap in between. They are attached to 9mm thick black PET Polyester Fiber material using staples from the backside. Each panel weighs approximately 35lbs.



Core Materials Flame Spread and Smoke Developed Index:

The PET backer has a Flame Spread Index of 0 and a Smoke Developed Index of 350.
The black thru colored MDF has a Flame Spread Index of 15 and a Smoke Developed Index of 5.
Class A classification has Flame Spread Index of 0-25 with Smoke Developed Index of 0-450.

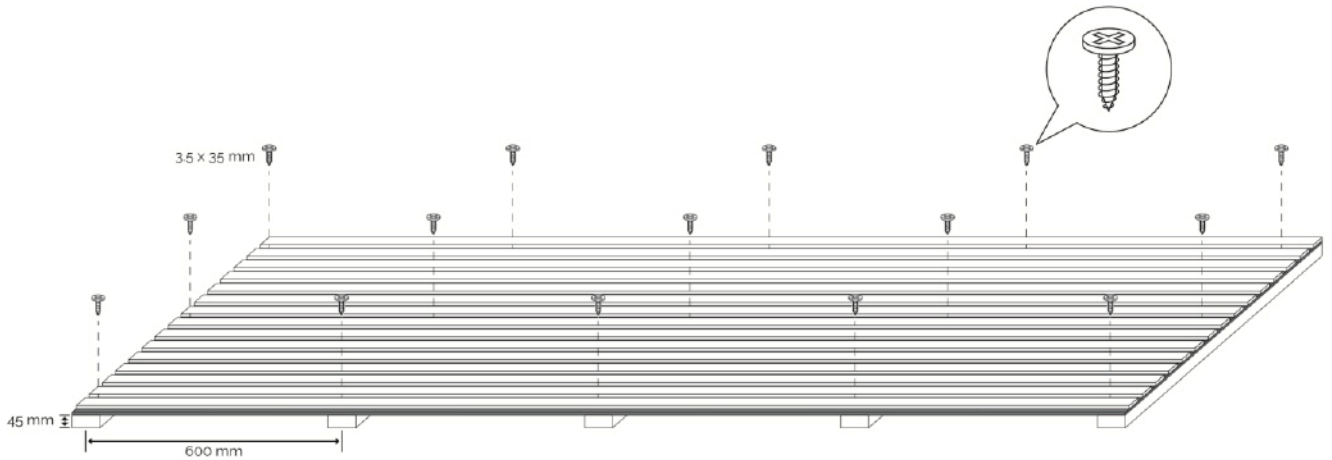
Color Consistency of Natural Wood Veneers:

Common characteristics of natural wood veneers include variations in color, grain, texture and figure. "End to end" alignment and matching of the veneer cannot be guaranteed from panel to panel. The incorporation of framework, reveals, etc. should be considered to achieve the desired effect.

Decorative HPL (high pressure laminate) may be used for more consistent colors, grains, textures etc.

Akupanel Installation:

Akupanel can be installed on walls and ceilings. For direct application, furring strips installed directly to the wall or ceiling on 600mm centers perpendicular to the Akupanel are recommended. Akupanel can then be attached to the furring strips by using screws through the strips through the PET fiber backing into the studs. A minimum of 15 screws per panel is recommended. Using a black-anodized screw will achieve the best appearance. In addition to the screws a small bead of construction adhesive applied to the furring strips may also be used if desired.



Along with using furring strips, ceiling installations may also be achieved by cutting the Akupanel to fit into a suspended ceiling grid system similar to what is used for typical drop ceilings. Akupanel may also be suspended from the ceiling in full panel lengths as well. This is best achieved by attaching furring strips to the back of the panel. Threaded eyebolts can then be attached to the furring strips and then suspended at the preferred height using steel cables. To achieve a fixed mount, solid rods would need to be attached to the furring strips and then mounted to existing ceiling structure. Options will vary, and the assistance of a local structural engineer may be required to evaluate and make recommendations for individual jobsites. In all cases of using the Akupanel as suspended panels, the ceiling structure must be deemed acceptable to carry the weight load of the Akupanel. Local building codes and requirements should be checked and followed.

FURTHER QUESTIONS SHOULD BE DIRECTED TO: josh@interlam-design.com

Specifications



SPECIFICATIONS Dimensions: 2400mm x 2400mm Thickness: 45mm D3 5/8" x 3/4" x 1/2" x 1/2" (1) Material: PET Fiberglass Fiber, MDF, Wood Veneer Available in Wood Veneer Colors and 15 profile wrap colors *Pattern sizes and colors may vary from actual product samples depending on the equipment and software on which images are viewed. Please view an actual product sample prior to specifying.	ACOUSTIC RATING Akupanel from Acoustical Art Concepts is an optional solution for efficient sound absorption and lower noise transmission. As seen in the graph below, the panel contains a Noise Reduction Coefficient (NRC) over the range of frequencies tested. Loud speech and "regular" music in the home is typically between 500-2000 Hz. Acoustical Graph Acoustic Test Sheet Akupanel Brochure	FIRE RATING Each test is conducted in accordance with Standard ANSIUL 723 that determines the Surface Burning Characteristic of the material, specifically the flame spread and smoke developed indices when exposed to fire. The core material of the PET and the wooden substrate materials are rated Class A. Please call for more information. Full Report Canadian test results *When Wrapped Akupanel and Akupanel Facers are NOT sold as fire rated, however we can treat the panels (post manufacturing) for a Class A fire rating.
Dimensions Installation Instructions Akupanel Product Specifications	RECYCLED MATERIALS Our PET polyester fiber panels are made from 100% recycled plastic and are 100% recyclable. PET Manufacturing	CLEANING PET Spots: cleaning with mild water-free solvent or dry-cleaning product.