

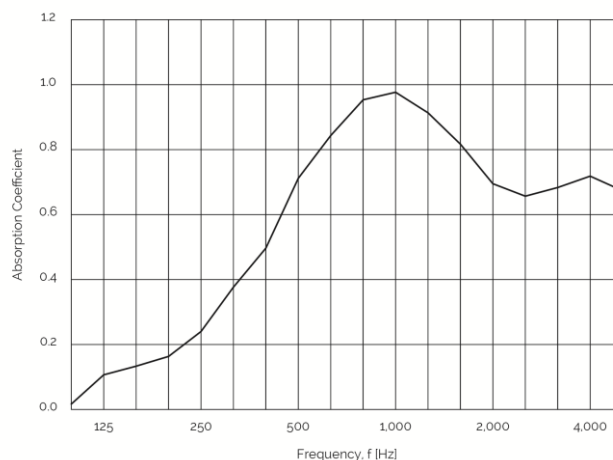
Specifying Akupanel

Division 6 (6400 Architectural Millwork)

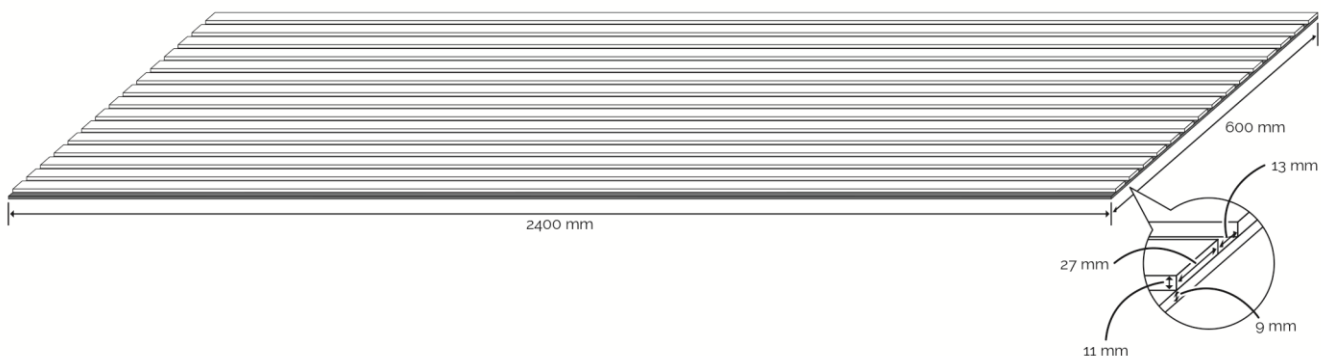
Standard size veneer faced Akupanel is typically a stock item for Interlam. Lead time for in stock panels is 2-3 business days to pack and prepare for shipping. Custom sized / non stock panels generally have a 1-2 week lead time depending on quantity and / or availability of raw materials. Lead times are determined upon receipt of payment and current inventory, which are based on "first-come, first-served" basis and are dependent on current work load and inventory. Interlam does not charge nor accept additional charges to rush order. 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 a Noise Reduction Coefficient of 0.97 at a frequency of 1,000 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.

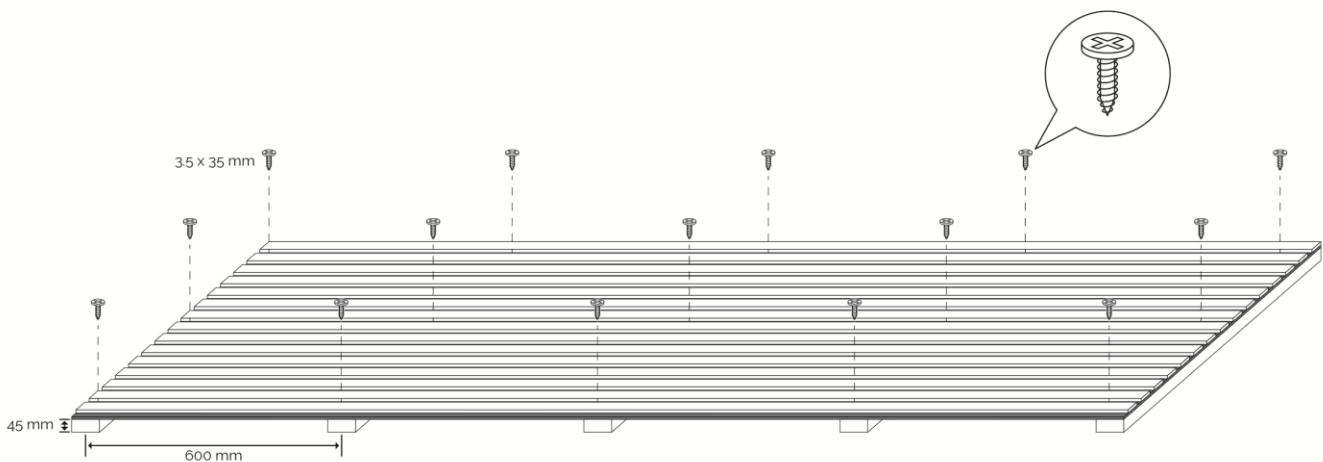
Color Consistency of Natural Wood Veneers:

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 between 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.

Important Information

For installation requiring panels to be installed end to end such as ceilings, horizontal installations or vertical installations of walls over 8 ft, Interlam recommends incorporating a reveal into the design. This will allow for expansion / contraction of the MDF strips. The veneer or laminate facing will not match up seamlessly from panel to panel, and this will also aid in creating a visual break between the two surfaces. Depending on the design intent and site conditions, staggering these seams may be an option to consider.

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