

kal'pul

Perforated Panels Brochure



Product Description

kal’pul’s perforated panels are an acoustic solution designed to introduce a bespoke, feature appearance to an internal lining with impressive sound absorption and reverberation control. Developed to combine aesthetic appeal with acoustic functionality, our panels are adapted to achieve specific, high quality customised designs to improve any space.

Acoustic Performance

kal’pul’s perforated panel range has been tested in accordance with AS-ISO 354-2006 “Acoustics – Measurement of Sound Absorption in a Reverberation Room”. Results confirming our perforated panels can achieve a Noise Reduction Coefficient (NRC) of up to 0.85.

For advice and recommendations on panel open area and perforation patterns, please contact our team to discuss.



Fire Compliance

Fire Rating – Group 2 and 3 options available for natural timber veneers and laminates. Contact our team for more information.

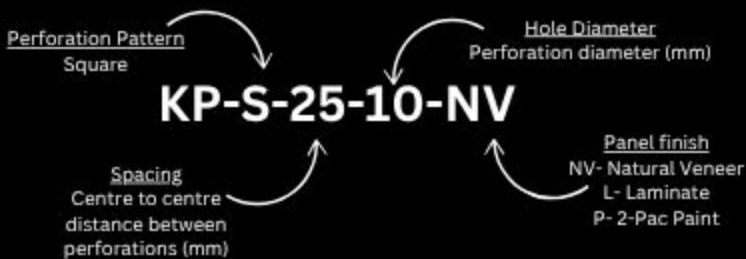
Environmental

kal’pul offers responsibly sourced, sustainable options for natural timber veneer and laminate products.



Perforation Options

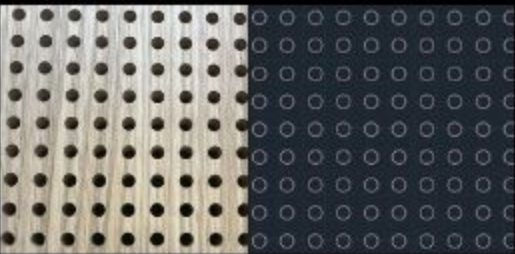
Square Patterns



KP-S-25-xx-x
Spacing: 25mm Centres
Hole Diameter Options: 6-12mm
Open Area Range: 4.5% - 18.1%
NRC: Up to 0.7



KP-S-16-xx-x
Spacing: 16mm Centres
Hole Diameter Options: 3-10mm
Open Area Range: 4.9% - 30.7%
NRC: Up to 0.85



KP-S-12.5-xx-x
Spacing: 12.5mm Centres
Hole Diameter Options: 3-8mm
Open Area Range: 4.5% - 32.1%
NRC: Up to 0.85

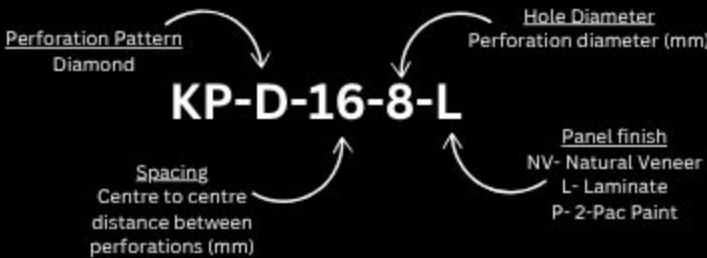


KP-S-8-xx-x
Spacing: 8mm Centres
Hole Diameter Options: 3-5mm
Open Area Range: 11.1% - 30.7%
NRC: Up to 0.85

Standard Panel Range

kal’pul’s standard perforation pattern range is named using a simple coding system.
For assistance with pattern naming when building your specification, please get in contact with our team.

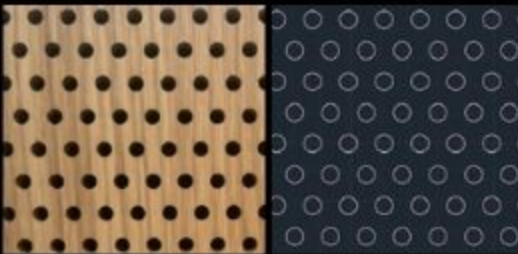
Diamond Patterns



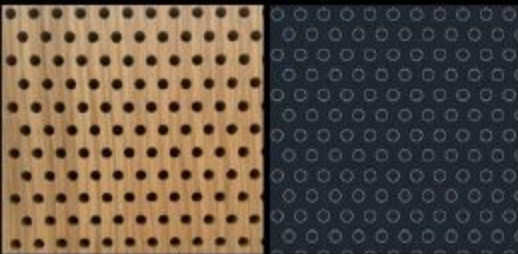
KP-D-32-xx-x
Spacing: 32mm Centres
Hole Diameter Options: 8 - 12mm
Open Area Range: 4.9% - 11.1%
NRC: Up to 0.6



KP-D-25-xx-x
Spacing: 25mm Centres
Hole Diameter Options: 6 - 12mm
Open Area Range: 4.5% - 18.1%
NRC: Up to 0.7



KP-D-16-xx-x
Spacing: 16mm Centres
Hole Diameter Options: 3 - 10mm
Open Area Range: 4.9% - 30.7%
NRC: Up to 0.85



KP-D-12.5-xx-x
Spacing: 12.5mm Centres
Hole Diameter Options: 3 - 8mm
Open Area Range: 4.5% - 32.1%
NRC: Up to 0.85

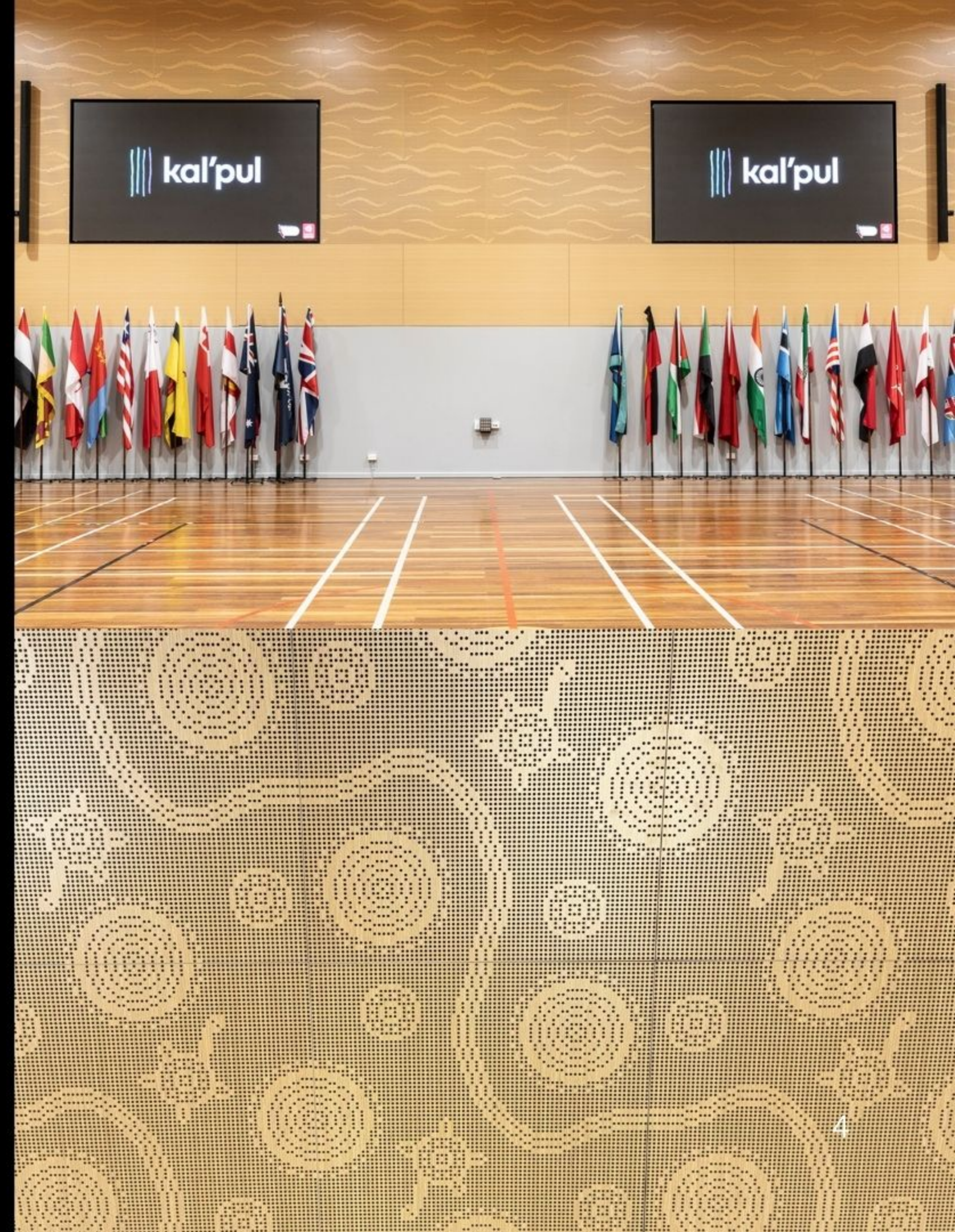
Custom Perforation Designs

kal'pul's custom perforated panels aim to achieve impressive acoustic performance whilst introducing unique patterns, seamless designs and a flowing display. Our custom perforated designs focus on capturing a connection to traditional concepts, culture and community. To develop a custom perforation design, please get in contact with a member of our team.

The Story Behind Our Long Neck Turtle Design - Daniel Briggs (Director)

“The long neck turtle is a powerful totem for the Yorta Yorta people, symbolising deep cultural heritage, resilience, and the enduring strength of the world’s oldest living culture. kal'pul's turtle design embodies our shared journey—bringing together Yurringa Group and Jacaranda Industries to create meaningful opportunities for growth and development. Our collaboration seeks to address workforce and economic development for First Nations people while offering a product that stands out for its cultural significance and quality. This partnership reflects a broader vision for a thriving First Nations economy, with benefits that extend far beyond the immediate sector.”

“kal'pul, a Wemba Wemba word meaning ‘paired together’, speaks to the heart of our alliance. As a Wemba Wemba Yorta Yorta man, I see our story—of courage, unity, and shared purpose—woven into the turtle design. It is a symbol of change, and our commitment to leading it.”



Finishes

Natural Timber Veneers



AMERICAN
OAK



AMERICAN
CHERRY



AMERICAN
WALNUT



BEECH



BIRCH



BLACKBUTT



BLACKWOOD



CLEAR PINE



EUROPEAN
ASH



EUROPEAN
OAK



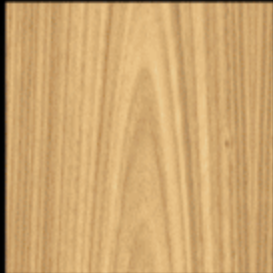
HOOP PINE



IRONBARK



JARRAH



PLANTATION
OAK



RED GUM



ROCK MAPLE



SMOKED
EUCALYPTUS



SPOTTED GUM



TASMANIAN
OAK



TASMANIAN
ASH

Laminates

kal’pul perforated panels are offered in laminate finishes from the following ranges;

- Laminex
- Polytec
- Surface Squared
- WilsonArt
- EVO by Bord Products



Paints

2-Pac painted panels are available in both Matt and Gloss finishes.

To explore 2-Pac options, please get in contact with our team to order samples.



Substrates



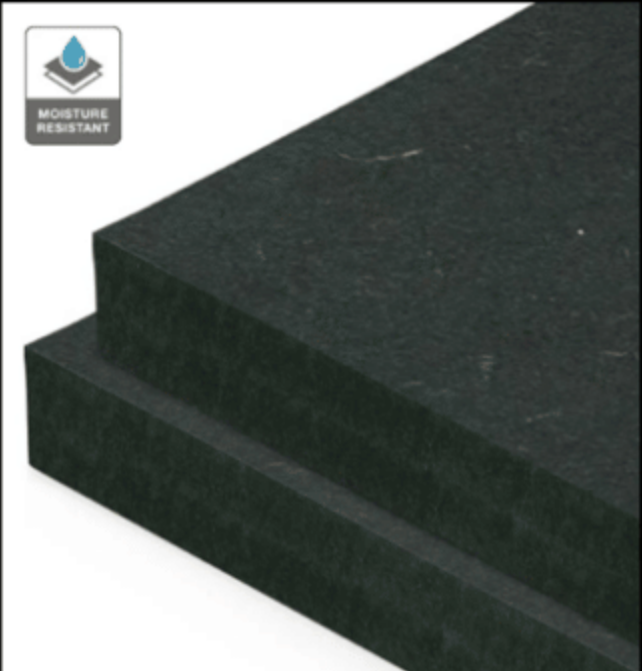
Moisture Resistant MDF



Fire Rated MDF



Plywood



Black Core
Moisture Resistant MDF



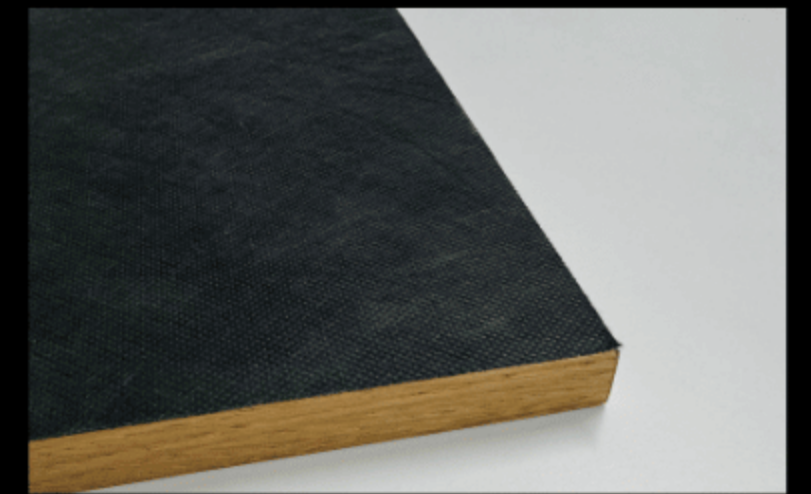
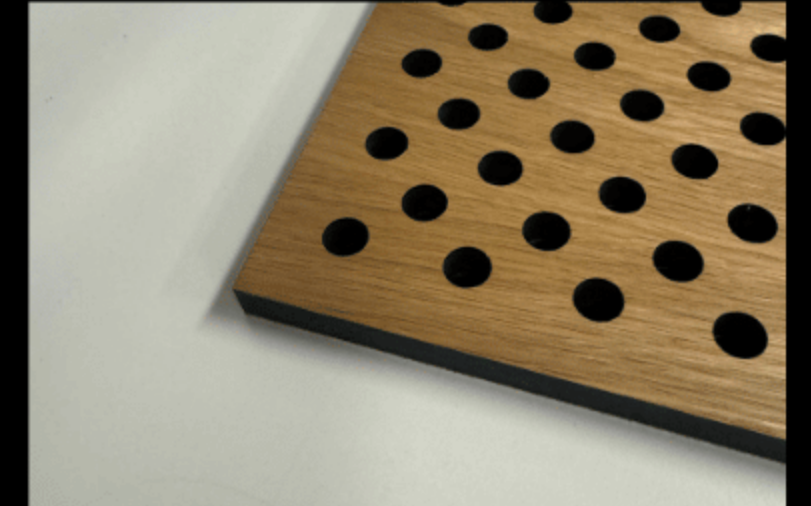
Black Core
Fire Rated MDF



Charcoal Fireguard

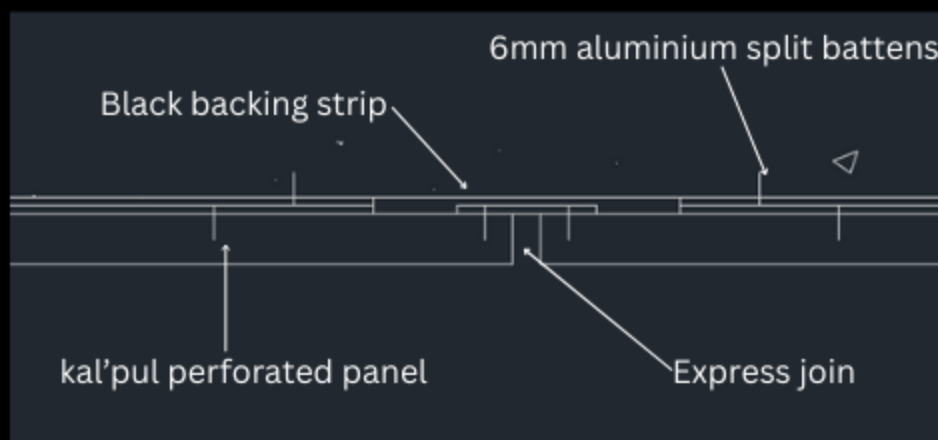
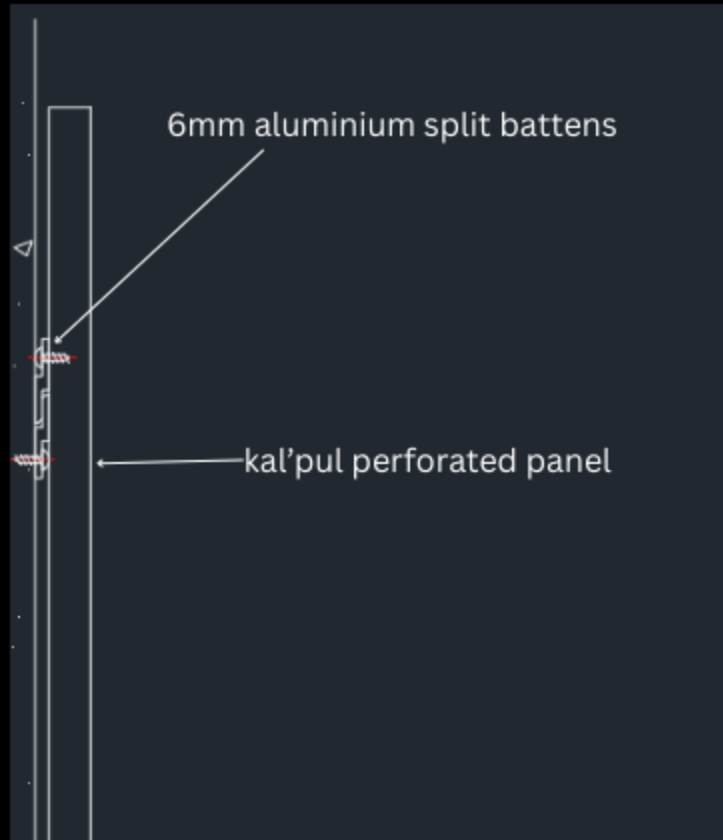
Acoustic Backing

All kal'pul perforated panels come with a black acoustic scrim adhered to the backs of panels to enhance the sound absorption and maximise acoustic performance.

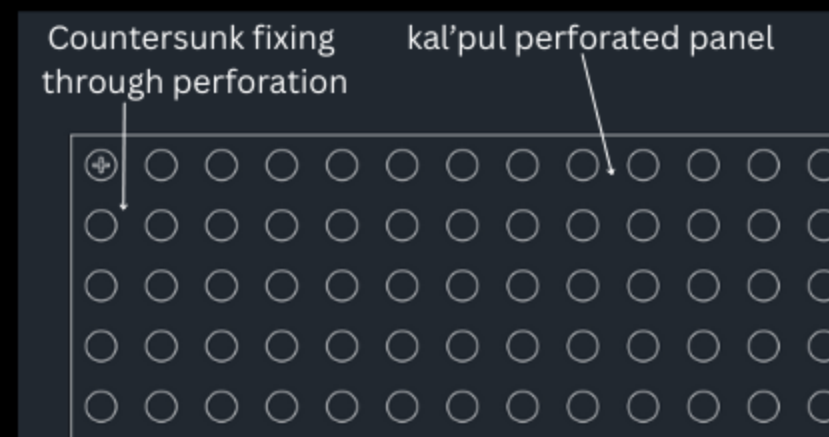
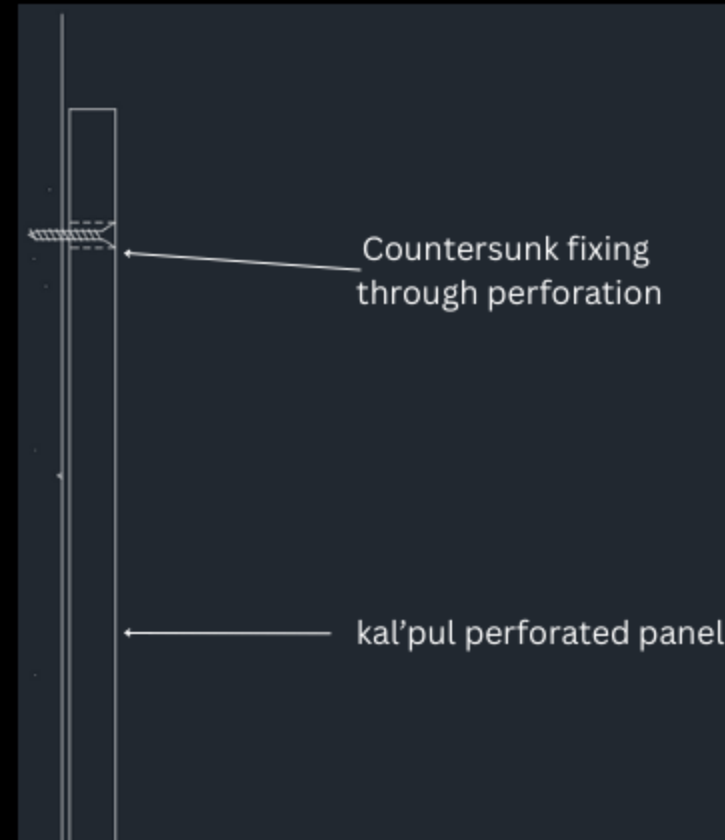


Fixing Methods

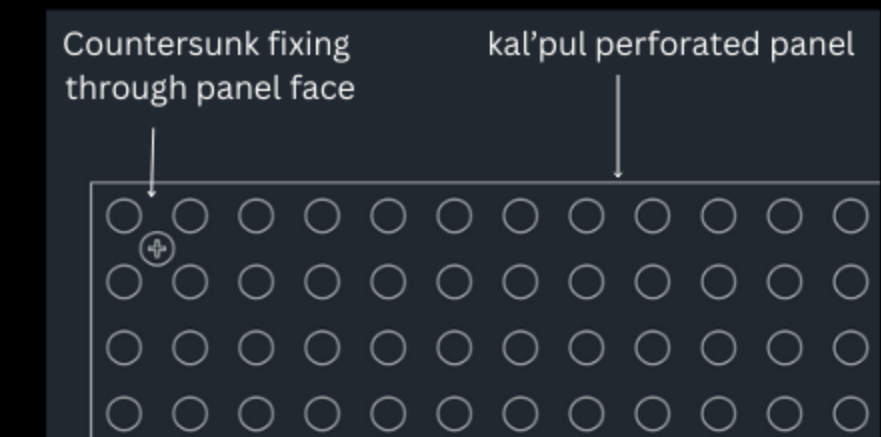
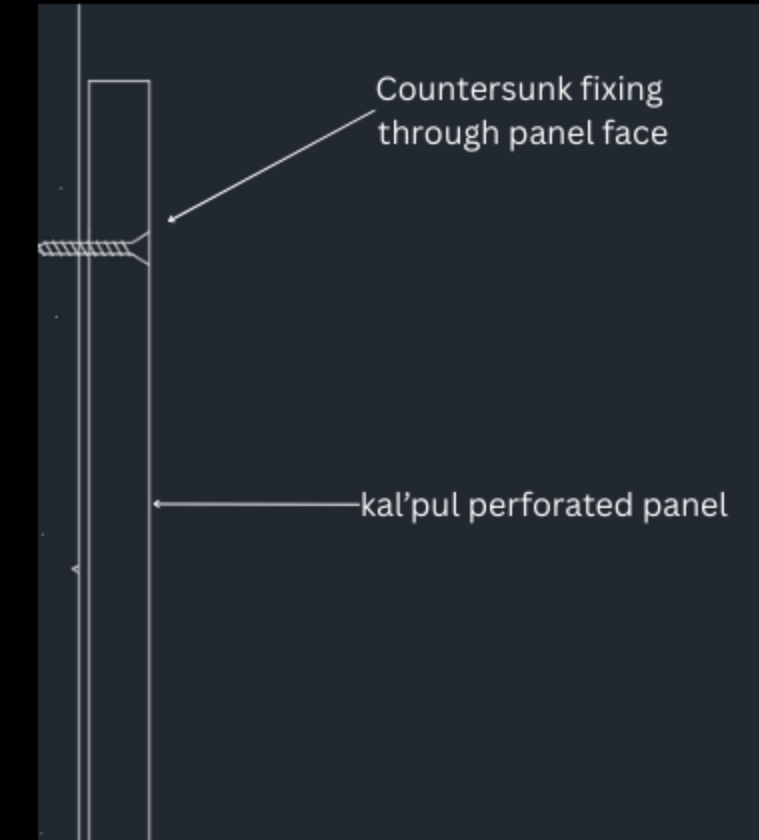
Split Battens Fixing



Blind Fixing



Face Fixing



The image shows the interior of a large, modern theater. The seating is tiered and consists of many rows of light-colored seats. The walls are covered in a complex, grid-like pattern of perforated panels. The ceiling is dark and features a series of horizontal beams with integrated lighting. A bright light source in the center of the ceiling creates a starburst effect. The overall atmosphere is warm and sophisticated.

For assistance with building your specification, head to our website or get in contact with one of our team members.

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