



kal'pul

Micro-perforated Panels

Brochure



Product Description

kal'pul micro-perforated panels are an acoustic wall and ceiling lining that is designed to improve sound absorption whilst reducing the need for large visible perforation holes.

Our micro-perforated panels incorporate micro holes to the face of a panel with larger, concealed perforations to the back of a panel to achieve impressive acoustic performance.

Panels are locally manufactured using responsibly sourced materials. Panels are manufactured using our own Micro-perforation punch and Vitap machines.

Acoustic Performance

kal'pul's Micro-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 Micro-perforated panels can achieve a Noise Reduction Coefficient (NRC) of up to 0.8.

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.

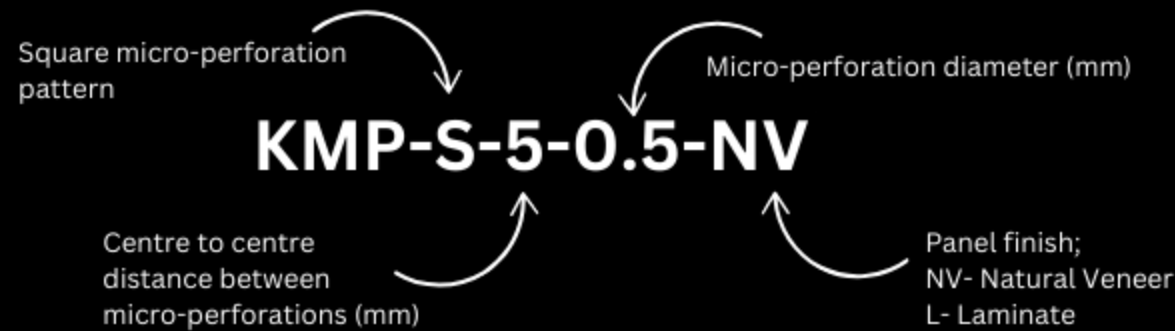
Contact our team for more information.

Environmental

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

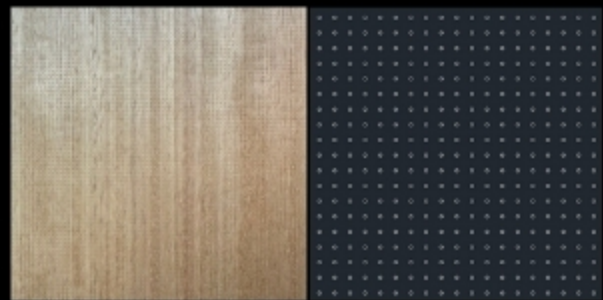


Micro-perforation Options



Micro-perforated Panel Range
kal'pul's micro-perforation pattern range is named using a simple coding system.
For assistance with naming when building a specification, please get in contact with our team.

Square Patterns



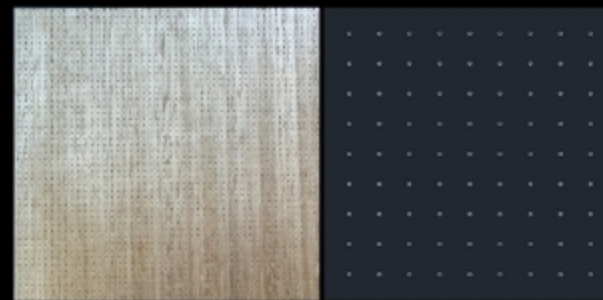
KMP-S-2.5-0.5-x

Spacing: 2.5mm Centres

Hole Diameter: 0.5mm

Open Area: 3.1%

NRC: Up to 0.7



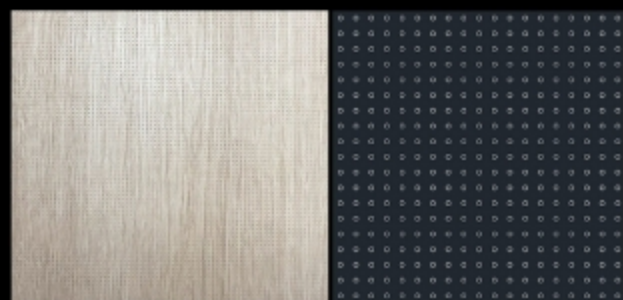
KMP-S-5-0.5-x

Spacing: 5mm Centres

Hole Diameter: 0.5mm

Open Area: 0.8%

NRC: Up to 0.5



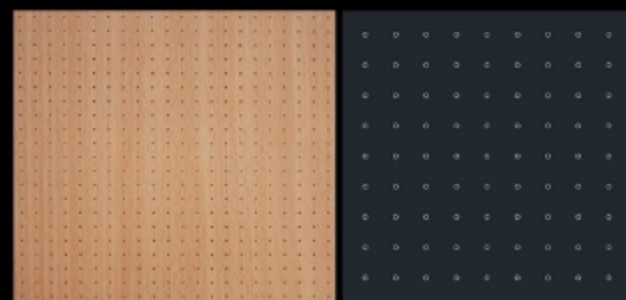
KMP-S-2.5-0.7-x

Spacing: 2.5mm Centres

Hole Diameter: 0.7mm

Open Area: 6.1%

NRC: Up to 0.8



KMP-S-5-0.7-x

Spacing: 5mm Centres

Hole Diameter: 0.7mm

Open Area: 1.5%

NRC: Up to 0.6

Diamond Patterns



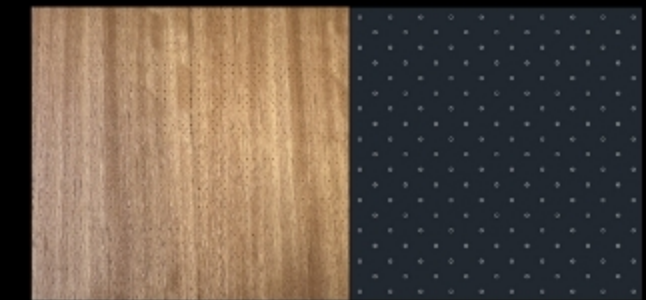
KMP-D-2.5-0.5-x

Spacing: 2.5mm Centres

Hole Diameter: 0.5mm

Open Area: 3.1%

NRC: Up to 0.7



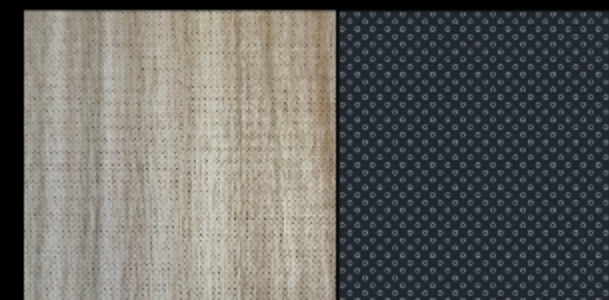
KMP-D-5-0.5-x

Spacing: 5mm Centres

Hole Diameter: 0.5mm

Open Area Range: 0.8%

NRC: Up to 0.5



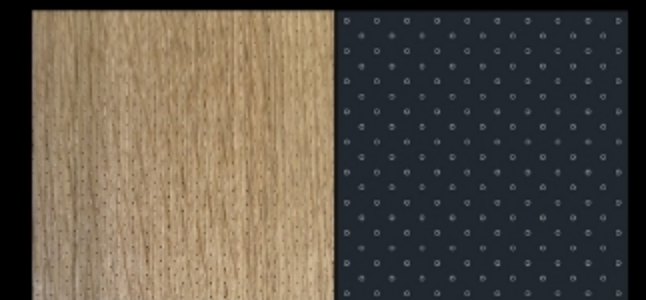
KMP-D-2.5-0.7-x

Spacing: 2.5mm Centres

Hole Diameter: 0.7mm

Open Area: 6.1%

NRC: Up to 0.8



KMP-D-5-0.7-x

Spacing: 5mm Centres

Hole Diameter: 0.7mm

Open Area: 1.5%

NRC: Up to 0.6

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



Substrates



Moisture Resistant MDF



Fire Rated MDF



Plywood



Charcoal Fireguard

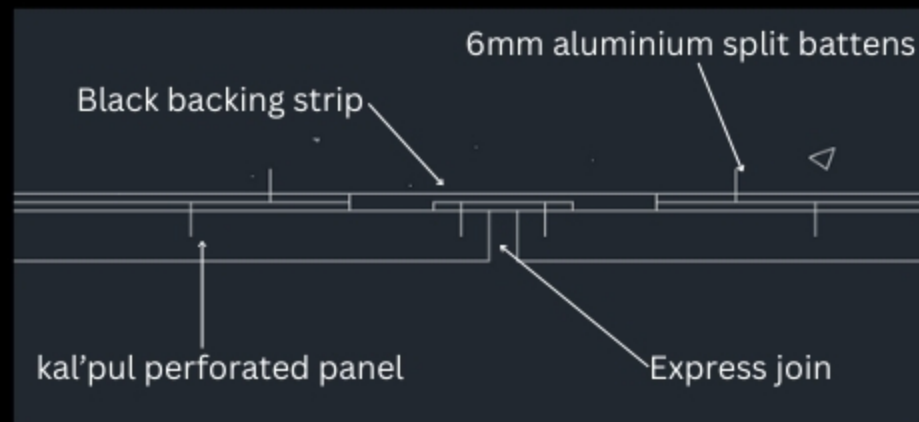
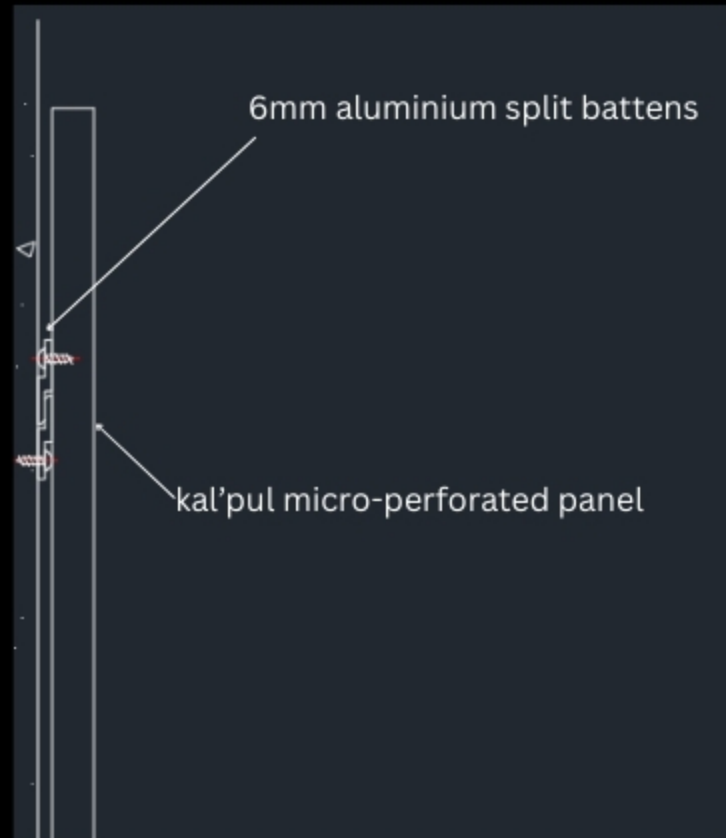
Acoustic Backing

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

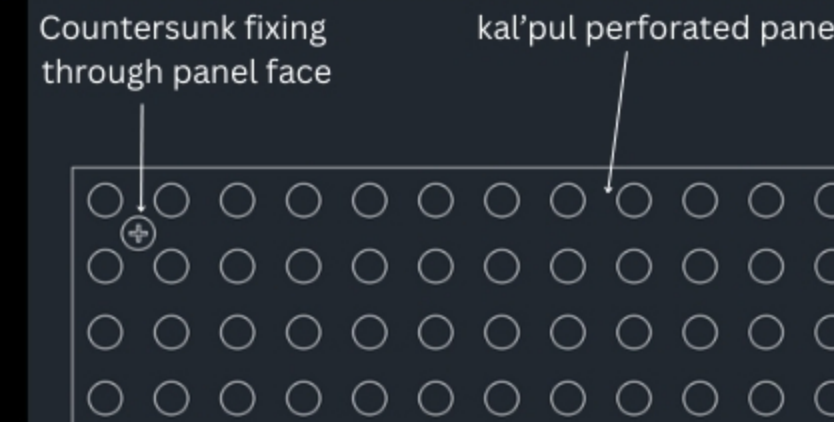
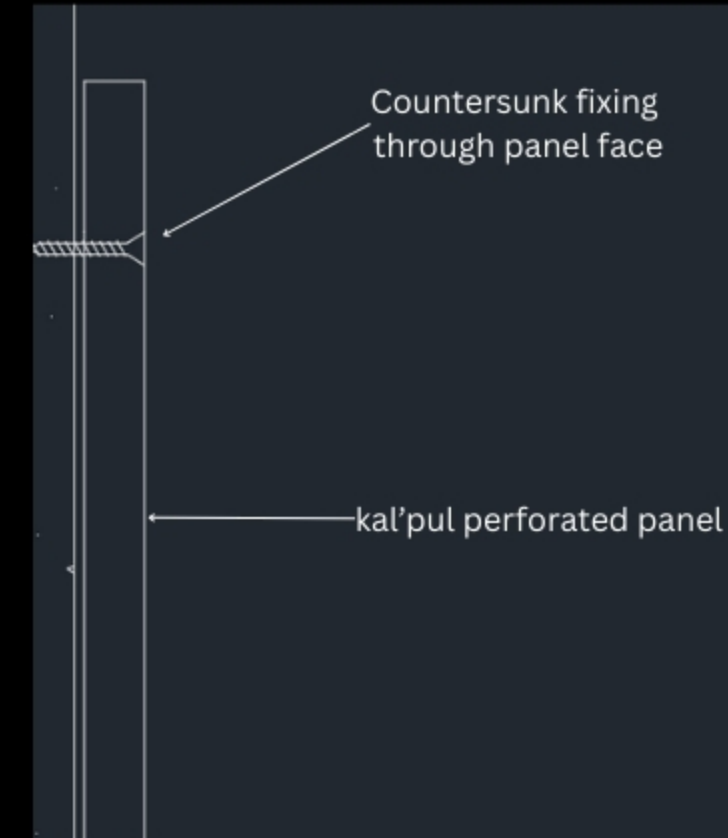


Fixing Methods

Split Battens Fixing



Face Fixing



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



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