

Au.diPanel™ data sheet

Product Description

This product provides our widest selection of perforation options and choices of substrate. Combined with the almost limitless range of finish options and our optional Integrated Acoustic Backing (IAB), Au.diPanel™ lends itself to tailoring for specific appearance or acoustic performance requirements.

Product Features & Variations

- Select your preferred veneer, plastic laminate, paint, or stain finish to match with other building elements
- Largest selection of perforations patterns
- Custom perforation patterns available
- Standard nominal panel sizes up to 1524 x 3048mm (5' x 10')
- Custom nominal panel sizes up to 1524 x 3658mm (5' x 12')
- Graphic images achievable through custom perforation sizing & spacing
- Standard black Integrated Acoustic Backing (IAB)
- Optional white Integrated Acoustic Backing (IAB) - minimums may apply

Material Sizes

- Standard nominal sizes, available in MDF, FR MDF, and MR MDF
 - Thickness: 19mm (3/4") and 16mm (5/8")
 - Width: 1219mm (4') and 1524mm (5')
 - Length: 2438mm (8') and 3048mm (10')
- Veneers in lengths over 2438mm (8') are limited and subject to current availability
- Contact Atkar Technical Staff for additional material sizes.

Finish Options

- Natural or Reconstituted Veneers with clear or stain finish
- Plastic Laminates
- Paints

Substrates

- MDF
- MDF fire rated (FR MDF)
- MDF moisture resistant (MR MDF)

Perforation Patterns

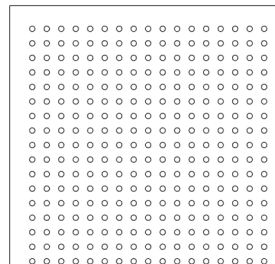
Standard patterns are illustrated here with open area marked in brackets. For non-standard perforation patterns, consult Atkar Technical Staff.

Margin Options

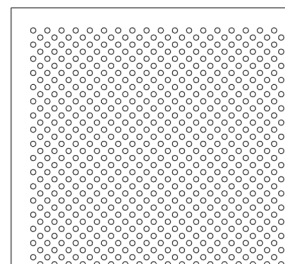
Standard patterns allow for an unperforated margin. Consult Atkar technical staff for custom margin options.

Perf Diameter		AP160S	AP160D	AP320S	AP320D	AP640S	AP640D
mm	Code						
6	60	11.04%	22.08%		5.52%		
9	90	24.84%		6.21%	14.42%		
12.5	125			11.98%	23.96%		5.99%
16	160			19.63%		4.91%	9.81%
19	190			27.67%		6.92%	13.84%
25	250					11.98%	23.96%

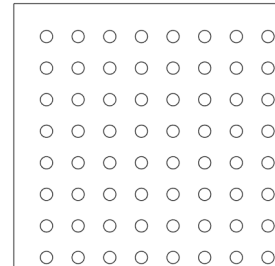
AP160S



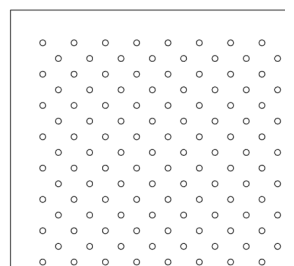
AP160D



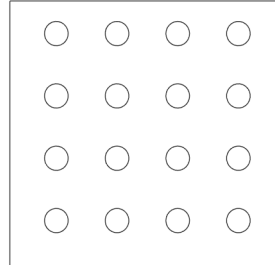
AP320S



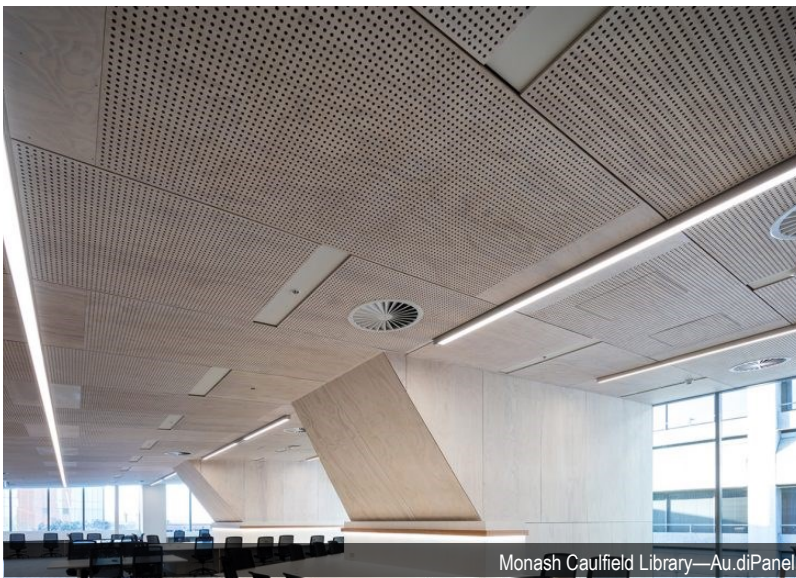
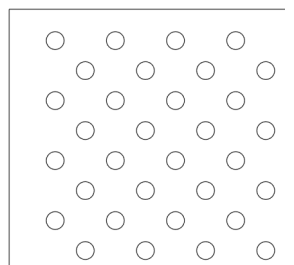
AP320D



AP640S



AP640D



Monash Caulfield Library—Au.diPanel

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Acoustics

There are many factors that influence the NRC of Au.diPanel™. You can specify your Au.diPanel™ to be installed with acoustic insulation. Acoustic duct liner blankets or boards can be purchased through Atkar or a local vendor. Depending on open area, specified insulation, and air gap behind the panel, ratings can range from 0.55 NRC to 0.80 NRC.

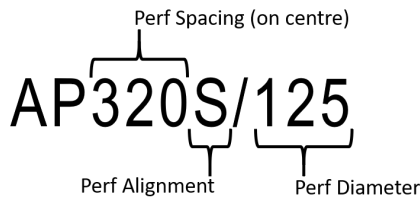
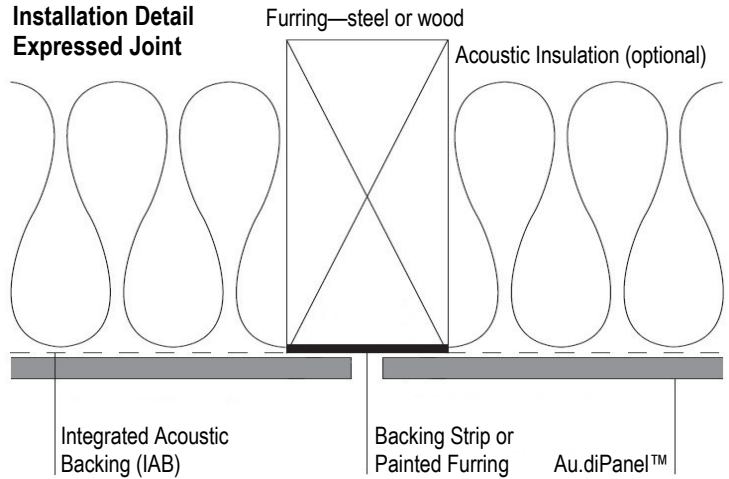
Installation System

- Z-bar/Z-clip system—with lip for ceiling applications
- PS3 recessed mounting system—insert fastener in perforation and secure panel through plywood mounting strip
- Face-fastened—matching or contrasting fasteners (consult Atkar Technical Staff for fastener finish options)

Fire Rating

Standard Au.diPanel™ components meet or exceed Class C fire rating. If Class A fire rating is required, all components of the product will conform to CAN/ULC test standards.

- FR MDF: CAN/ULC-S102 & ASTM-E84 Class A
- Standard IAB: CAN/ULC-S102 & ASTM-E84 Class A



- Au.diPanel™ Panel
- 32mm on-centre perforation spacing
- Perforation Alignment: Straight pattern
- 12.5mm diameter perforations

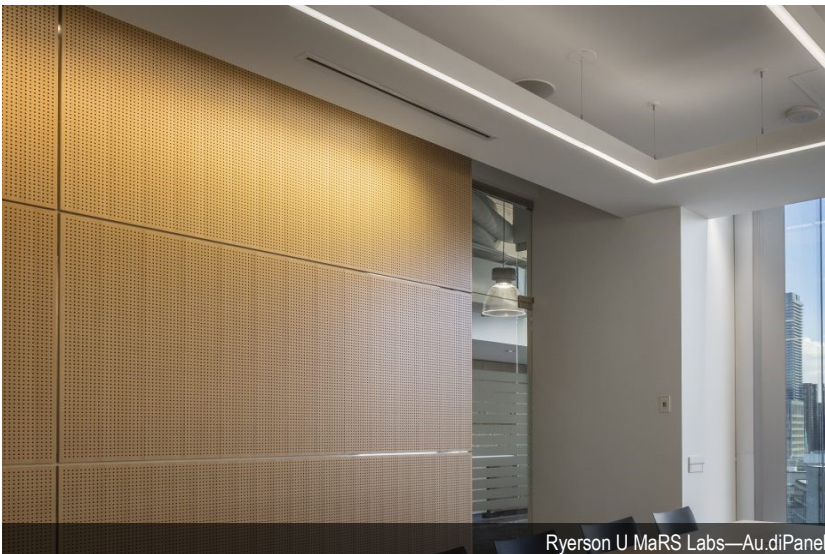


Sustainability

Refer to Environmental Data Sheet. Consult Atkar Technical Staff to determine which LEED credits will be available for your specific project.

How to Specify

- Perforation Spacing (on centre)
 - Perforation spacing in mm, 3 digits
 - e.g. 32mm (1-1/4") = 320, 64mm (2-1/2") = 640
- Perforation Alignment
 - S = straight pattern
 - D = 45° staggered pattern
- Perforation Diameter
 - Perforation diameter in mm, 3 digits
 - e.g. 6mm (1/4") = 60, 25mm (1") = 250



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