sonawood tile™

PERFORATED WOOD FOR EXPOSED GRID CEILINGS

TECHNICAL DATA SHEET BPIR - CLASS 1

Acoustic Ceiling and Wall Solutions

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Perforated Wood for Exposed Grid Ceilings

Technical Data Sheet - BPIR Class 1

Sonawood™ Tile is a made in NZ perforated wood panel with acoustic tissue backing designed to control unwanted noise in interiors spaces. Lay in panels sizes are to suit Rondo Donn® exposed grid standard modules. Sonawood™ is available in optional substrates, acoustic perforations, decorative laminates, natural wood veneers or paint finishes to meet individual project requirements and budgets.

Avonside Girls' High School and Shirley Boys' High School

Application

Sonawood™ is ideal for corporate office, hotel, retail, receptions, boardrooms, schools and sports centres.

Composition

Substrate from plywood, FR MDF or MDF, with veneer, low pressure laminates, or paint finish, and acoustic backing.

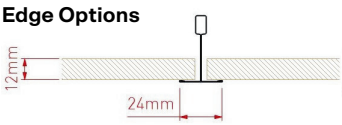
Features & Benefits

- An attractive high performance acoustic ceiling panel that is available in a range of standard sizes to suit Rondo Donn® exposed grid.
- Available in a range of standard slot and hole perforation patterns including custom designs and non-perforated panels to meet acoustic performance criteria.
- Broad range of substrates from laminated FR MDF, standard MDF or plywood.
- Natural veneer and plywood options provide the warmth of natural wood and are typically clear coated.
- Low pressure laminate woodgrain options provide excellent consistency of colour and pattern at lower cost.
- Coatings options include UV coatings, two pack for a premium look or lower cost powder coat finishes.
- Fire Group 3, 2-S, 1-S performance subject to substrate and open area selected.
- NRC 0.1 up to 0.80 subject to perforation pattern.
- CAC 35 with Triton 50HD backing.
- Asona in-house design service for shop drawings prior to manufacture. Ideal to integrate M/E services, borders etc
- NZ manufactured.

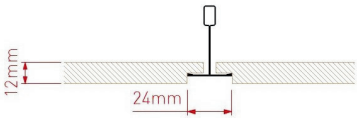
Tile Range— others to order, also non perforated

Perforation #	Size (12 x 600 x 1200 nominal)	Open Area %
H12.32.S.15 W1L1	12mm hole, 32mm centres	11.3
H6.16.D.15 W1L1	6mm hole, 16mm centres	12.7
SW10.160.17	10x160mm slot, 39mm ctrs	20.0
SS8.150.18 W1L1	8x150mm slot, 30.5mm ctrs	21.0

Edge Options



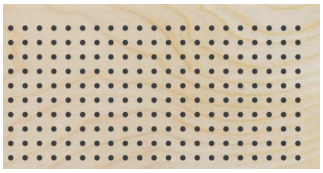
SQ Square Edge



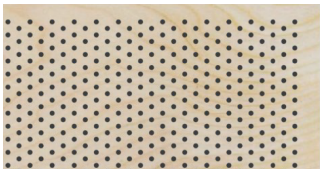
RE Reveal Edge

Perforation Patterns / Tile Range (Non-perforated also available)

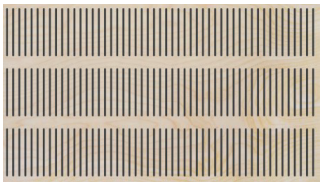
Square H12.32.S.15 W1L1



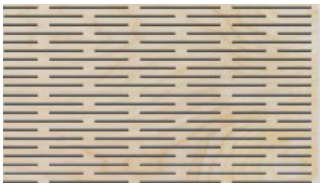
Diagonal H6.16.D.15 W1L1



Slot SW10.160.17 W3L1 *



Staggered SS8.150.18 W1L1 *



*As viewed with panel landscape orientation

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All dimensions are nominal. We reserve the right to change specifications without notice.
Ref. Sonawood Tile—26.08

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Finish Options

Substrate Type

MDF

Black FR MDF

FR MDF MR

Plywood

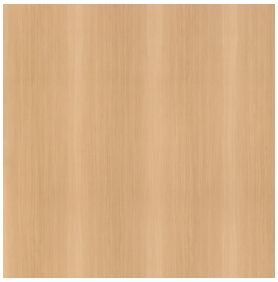
Finish Type

Low Pressure Laminates—wood look or solid colours available* (refer to Asona for full range)

Nordic Pine

Premium Oak

Tawa



French Oak

Sovereign Oak

Rimu

Tahoe Walnut

Black Forest Oak

* Colour representations are as close as printing permits. Always make your colour selections from an actual sample, not from a digital screen.

- Prime Natural veneer—wide range, contact Asona
- Painted finish—wide range, contact Asona

Technical Specifications

Accessibility:

All panels are demountable and accessible

Limitations:

• For interior use only, and not in direct contact with water.
• Not for use with negative air return plenums.
• Maximum humidity/temperature 90% R/H at 30°C.
• Back loading maximum 1.5kg for integrated services, greater weights to be independently supported.

Maintenance:

Clean with vacuum, soft brush or damp soapy cloth.

NZ Building Act

This product is not subject to a warning or ban under Section 26.

NZ Building Code Compliance:

• B2 Durability – Clause B2.3.1 (c) (i): Asona ceiling tiles with only normal maintenance will have a minimum durability of at least 5 years when installed in accordance with; manufacturer's installation requirements and AS/NZS 2785:2020.
• C3 Fire – Clause C/AS2 4.12.1: Asona Sonawood has a Fire Material Group Number 1-S to 3, by NZBC Building Product Specification Parts 8.5.4 or 8.5.5, tested in accordance with ISO 9705 or ISO 5660. Contact Asona for individual variations.

Warranty:

15 year limited warranty against manufacturing defect and installed in Rondo Donn DX® exposed grid systems supplied by Asona.

Weight: (subject to tile perforation open area)
9.2 kg/m² maximum, 10.3 kg/m² non-perforated tile
13.5—14.3 kg/m² perforated tile with Triton 50 HD backing

Installation:

Shall not commence until the building is watertight and dry. This product is designed to be mounted into a Rondo Donn DX® two-way exposed grid system and installed to manufacturer's and AS/NZS 2785:2020 Standard's requirements. Seismic design may require a suitably qualified engineer. Care shall be taken when handling tiles to avoid damage.

Specification:

Acoustical treatment shall be Sonawood perforated wood acoustical ceiling tile manufactured by Asona Limited. Tel: 09 525 6575, info@asona.co.nz. Item # (_), Size 600 x 1200 x 12mm thick, edge type (SQ)(RE), paint (_), stain (_), finish (_), Perforation pattern #: (_) (open area: (_) (Non-perforated). Acoustic backing: (tissue) (Triton 50 HD) Substrates: (Black FR MDF)(FR MDF MR)(standard MDF)(Plywood) Fire Group(_). Suspension shall be Rondo Donn DX1H exposed grid. Contractor shall flat pack packaging and return to Asona for reuse and register the ceiling with Asona on practical completion.
(Asona ceiling Masterspec 5311AS specification available).

NEW ZEALAND MADE

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