

# sonawood tile™

PERFORATED WOOD FOR EXPOSED GRID CEILINGS



TECHNICAL DATA SHEET BPIR - CLASS 1



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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.

#### 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.

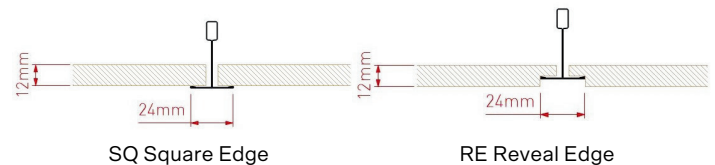


Avonside Girls' High School and Shirley Boys' High School

**Tile Range**— others to order, also non perforated

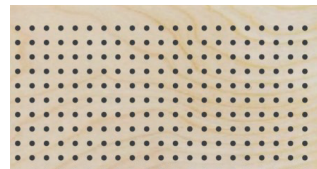
Perforation #	Size (12 x 600 x 1200 nominal)	Open Area %
<b>H12.32.S.15 W1L1</b>	12mm hole, 32mm centres	11.3
<b>H6.16.D.15 W1L1</b>	6mm hole, 16mm centres	12.7
<b>SW10.160.17</b>	10x160mm slot, 39mm ctrs	20.0
<b>SS8.150.18 W1L1</b>	8x150mm slot, 30.5mm ctrs	21.0

#### Edge Options



#### Perforation Patterns / Tile Range

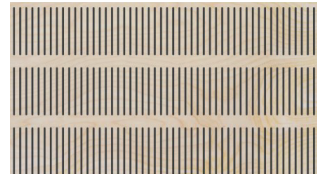
Square H12.32.S.15 W1L1



Diagonal H6.16.D.15 W1L1



Slot SW10.160.17 W3L1



Staggered SS8.150.18 W1L1



Non-perforated also available

ISO 9001:2015 Registered Firm No. NZ1014

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All dimensions are nominal. We reserve the right to change specifications without notice.  
Ref. Sonawood Tile—23.12

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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)

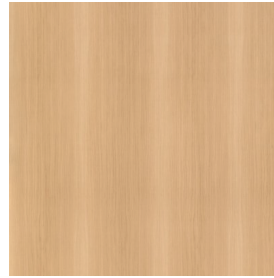
Nordic Pine



Premium Oak



Tawa



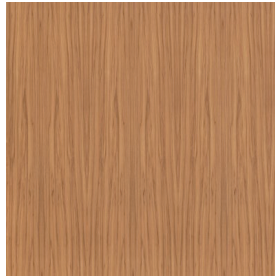
French Oak



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 (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 3.4(a): Asona Sonawood have a Fire Material Group Number 1-S to 3 by NZBC verification method C/VM2 Appendix A, tested in accordance with ISO 5660 or ISO 9705. Contact Asona for individual variations.

### Warranty:

15 year limited warranty against manufacturing defect.

### Weight:

(subject to tile perforation open area) 9.2 kg/m<sup>2</sup> maximum  
10.3 kg/m<sup>2</sup> non-perforated tile

- 13.5—14.3 kg/m<sup>2</sup> 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 two-way ex-posed 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 DX exposed grid. Contractor shall flat pack packaging and return to Asona for reuse and register the ceiling with Asona Renew and Reuse product stewardship program on practical completion. (Asona ceiling Masterspec 5311AS specification available).

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