triton 25w™

HIGH SOUND ABSORBING CEILING PANEL

TECHNICAL DATA SHEET - BPIR CLASS 1

Acoustic Ceiling and Wall Solutions

triton 25w™

Acoustic Ceiling Panel, Perforated LPL Finish NRC to 0.90

Technical Data Sheet - BPIR Class 1

Triton 25 Woodlook™ is a cost effective fire group 1-S perforated acoustic ceiling panel with a wood look low pressure laminate (LPL) finish. Made in NZ, the high sound absorbing panels are designed to control unwanted noise reverberation. Panels are available in a range of sizes and decorative wood print (or colour) Sonaris™ perforated acoustic laminate patterns.

Application

Triton 25 Woodlook™ is ideal for use in corporate offices, lobbies, showrooms, retail, hospitality, libraries and schools.

Composition

Made in NZ from 48 kg/m³ bio-soluble glass wool absorber with a perforated low pressure laminate finish and tissue backed.

Features & Benefits

- Attractive perforated wood panel look at lower cost compared to traditional perforated wood panels.
- Fire Group 1-S rating without cost of intumescent coatings.
- High sound absorption rating to control reverberation, up to NRC 0.90 depending on selected perforation pattern.
- Light weight for superior safety in seismic prone areas.
- Economical grid and tile ceiling system, 60% lower installed cost vs traditional perforated FR plywood or FR MDF ceilings.
- Broad range of perforated patterns to select from as well as custom patterns to order for design flexibility.
- Low VOC, low carbon solution with 90% by volume NZ made/ sourced material content including over 80% recycled post consumer waste.
- Made in NZ for short lead times. Product stewardship Renew and Reuse program available. Packaging take back and reuse scheme available (NZ only).
- Durable and dimensionally stable, suitable for high humidity and non air conditioned spaces.

Sound Absorbtion Rating:

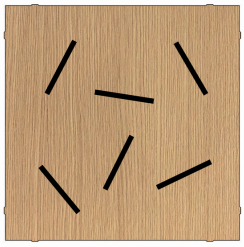
NRC 0.55– 0.90 per ASTM C423 ISO 354 E-200, Test reports T2216-01>09

Item	Open Area	NRC	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz
Non perf	0%	0.35	0.60	0.35	0.55	0.35	0.20	0.15
RS12-150	3%	0.55	0.65	0.60	0.70	0.50	0.30	0.25
P15-60	4.9%	0.70	0.65	0.75	0.80	0.65	0.50	0.35
S7-75	9.5%	0.75	0.65	0.80	0.85	0.70	0.60	0.40
P16-30-40	9.5%	0.80	0.65	0.85	0.85	0.75	0.65	0.45
S4-25	14.6%	0.85	0.60	0.90	0.95	0.85	0.85	0.70
P55-100	19.6%	0.85	0.60	0.90	0.90	0.85	0.75	0.60
P19-19	33%	0.90	0.55	0.85	0.95	0.90	0.95	0.90

S4-25 (LPL Tasmanian Oak)

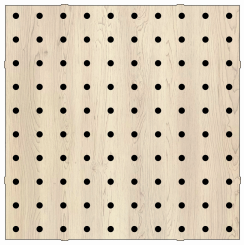
S7-75 (LPL Kopenhagen)

RS12-150 (LPL Tasmanian Oak)

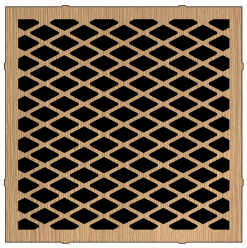


P16-30-40 (LPL Walnut)

P15-60 (LPL Bleached Maple)

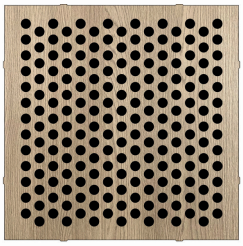


Diamond Mesh (LPL Tasmanian Oak)

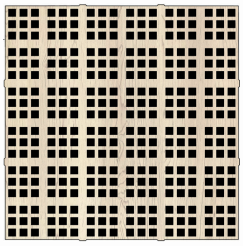


Frangapani (LPL Blond Maple)

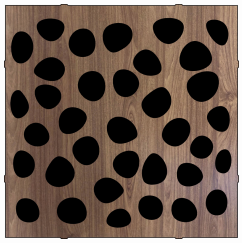
P25-40 D (LPL Kopenhagen)



P19-19 (LPL Bleached Maple)



Voronoi (LPL Walnut)



A range of standard and custom perforations and woodgrains* are available. Consult Asona for shop drawings.

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

ISO 9001:2015 Registered Firm No. NZ1014

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*All dimensions are nominal. We reserve the right to change specifications.

Ref. Triton 25W-26.08

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Standard Sizes (Special sizes to order, consult Asona)

Item #	Description	600 x 600mm	600 x 1200mm	1200 x 1200mm
P15-60	15mm hole @ 60mm centres, square pattern	●	●	
P25-40 D	25mm hole @ 40mm centres, diagonal pattern		●	
P55-100	55mm hole @ 100mm centres, square pattern	●	●	
P16-30-40	16, 30, 40mm holes, random pattern	●	●	
P19-19	19 x 19mm square holes	●		
S4-25	4mm slot @ 25mm centres	●	●	
S7-75	7mm slot @ 75mm centres	●	●	●
S10-100	10mm slot @ 100mm centres	●	●	●
RS12-150	12mm x 150mm random slot	●	●	●
D4071	Diamond Mesh	●	●	
H4040	Hexagonal Mesh	●	●	
FP100	Frangipani	●	●	
SQ5075	50 x 50mm square holes @ 75mm centres	●	●	
SQ75100	75 x 75mm square holes @ 100mm centres	●		
VOH	Voronoi organic holes	●		
Non-perf	No perforations	●	●	●

(Special sizes to order, consult Asona)

Technical Specifications:
Environmental Impact:
Contains >80% recycled local glass waste, low VOC <0.002 Mg/M²/hr per ASTM D5116, damaged or soiled panels can be resurfaced to extend useful life and reduce construction waste/ landfill.

Laminate Finishes:
Triton 25 Woodlook™ is available in a range of perforated design wood print LPL finishes. Non-perforated is also available.

Limitations:
- For interior use only, and not in direct contact with water.
- Not for use with negative air return plenums.
- Maximum humidity/temperature 99% R/H at 45°C.
- Back loading max. 1.5kg/m², point loads to be independently supported.

Maintenance:
Clean with a vacuum, soft brush or damp cloth.
Re-surfacing of damaged panels available, consult Asona.

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 Triton 25W has a Fire Material Group Number 1-S by NZBC Building Product Specification Parts 8.5.4 or 8.5.5, tested in accordance with ISO 9705 or ISO 5660.
(NCC BCA C1.10 clause 4, spec A2.4 clause 4. Group 1)

Packaging Take Back Scheme: (NZ only)
Flat pack cartons on site and return to Asona for reuse. (NZ only)

Renew & Reuse Stewardship Program:
Soiled or damaged panels can be resurfaced with new Sonatex or Sonaris laminates for reuse in the ceiling. Helps extend life cycle and reduce construction waste. Register on practical completion.

Thermal Resistance:
R 0.7 m²°C/W

Warranty:
15 year limited warranty against manufacturing defects, extendable to 30 years when registered for Asona's Renew and Reuse program and installed in Rondo Donn DX® exposed grid systems supplied by Asona.

Weight:
1.5 kg/m²

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. Hold down clips may be required in areas of wind uplift, and/or air grilles used to balance air pressure. Care shall be taken when handling tiles to avoid damage.

Specification:
Ceiling system shall be Asona Triton 25 Woodlook™ high sound absorbing ceiling as manufactured by Asona Ltd Auckland NZ Tel: +64(0)9 525 6575 info@asona.co.nz. Selected panel shall be size 25 x (_) x (_)mm, square edge with decorative low pressure laminate finish wood-look print (Blond Maple)(Tasmanian Oak)(Bleached Maple)(Kopenhagen)(Walnut) Sonaris perforation type (_), sound absorption NRC (_), Fire Group 1-S. Suspension system shall be Rondo Donn DX® two way exposed grid system with 19 x 22 mm wall angle, grid colour (white) (black). 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).

NEW ZEALAND MADE

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