triton plank™

HIGH SOUND ABSORBING CEILING PANEL

TECHNICAL DATA SHEET

Acoustic Ceiling and Wall Solutions

triton 50 vg plank™

Semi Concealed ceiling panel - NRC 1.00

Technical Data Sheet - BPIR Class 1

Triton 50 VG Plank™ is a semi concealed rectilinear accessible ceiling panel designed for corporate office ceilings with a two way semi-concealed grid system. Made in NZ in a range of modules 1350 x 1350mm and 1500 x 1500mm. Triton 50 VG plank is available in short lead time and small qty orders, ideal as a replacement tile and are available in standard white, black, grey and wood look laminates.

Photo: Triton 50 VG Plank, 5 x 1500 x 300 panels to suit a 1500 x 1500 grid module

Application

Triton 50 VG Plank™ is ideal for large scale grid & tile formats or wall to wall acoustic panel for corridors reducing reverberation and still allowing access to above ceiling corridor services.

Composition

Manufactured from 48 kg/m³ bio-soluble glass wool, tissue backed, 320 gsm Sonatex™ acoustic laminate finish. Long edges are folded to stiffen and short ends finished square.

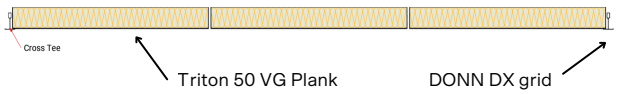
Detail: Triton 50 VG Plank wall to wall acoustic ceiling tile

Features & Benefits

- NRC 1.00 50 mm thick panels provide superior sound absorption at low to high frequencies.
- Large scale grid modules (1350 x 1350mm, 1500 x 1500mm) are made up with 3 or 5 panels per module, allowing full plenum access.
- For corridors, large panels up to 1800mm long provide for a cleaner look with fewer panel joins compared to standard 600 x 1200 size.
- Wall to wall mounting with Rondo Donn® grid eliminates suspension need where there is often multi services installed in corridor plenums.
- Fire Group 1-S.
- Broad range of Sonatex™ decorative acoustic laminate finishes for design flexibility.
- Panels available with temporary protective foil covering to keep the panels clean during installation.
- Made in NZ, short lead times including replacement parts.
- Packaging take back and reuse scheme available (NZ only).
- Product stewardship Renew and Reuse program.
- Durable and dimensionally stable in high humidity.
- Global GreenTag certified Level A, low VOC, core contains 80% recycled post consumer waste glass.
- Light weight for seismic areas, easy to work and trim.
- Optional Sonatex Hygiene laminate facing.

Technical Drawing

Module 1350 x 1350mm 3 Plank (plank size 450 x 1350mm)



Module 1500 x 1500mm 3 Plank (plank size 500 x 1500mm)

Module 1500 x 1500mm 5 Plank (plank size 300 x 1500mm)

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*All dimensions are nominal. We reserve the right to change specifications.
Ref. Triton Plank-26.08

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Technical Specifications:

Item #	Size (nominal)*	Edge
TRP50.045135	50 x 450 x 1350 mm	VG/ Square
TRP50.0315	50 x 300 x 1500 mm	VG / Square
TRP50.0515	50 x 500 x 1500 mm	VG / Square

* Custom sizes available, width 300—600 mm, length 900—1800 mm, consult Asona.

Sound Absorbtion Rating:
αW 1.0 per ISO 354; NRC 1.05 per ASTM C423 E-200 mount. Test report T0601-2.

Hz	NRC	125	250	500	1000	2000	4000
αp E200	1.00	0.70	1.00	1.00	1.00	1.00	0.95

Ceiling Attenuation Class:
CAC 30, DncW 30,Test report UC454.

Hz	125	250	500	1000	2000	4000
dB	15	19	26	33	38	45

Environmental Impact:
Global GreenTag Certified, Level A, from 80% recycled local glass waste, low VOC <0.005 Mg/M²/hr per ASTM D5116.
Packaging return, panel recycle and renew programs.

Laminate Finishes:
Panels are available in standard Sonatex™ white, black, grey, a range of wood prints, and RAL colour laminate finishes.
Refer to online Sonatex™ finishes charts for colour and size options.
Also available with Sonatex Hygiene laminate facing.

Light Reflectance Value:
85% per BS8493:2008, White

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 50 VG Plank 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:
Flat pack cartons on site and return to Asona for reuse.

Renew & Reuse Program:
Soiled or damaged panels can be resurfaced at the factory with new Sonatex laminates for reuse in the ceiling. Helps extend life cycle and reduce construction waste.

Service Panel Protection:
Panels are available with strippable protective film covering to help keep panels cleaning during the construction phase.

Stewardship:
Register the ceiling installation on practical completion with Asona Renew and Reuse program.

Thermal Resistance:
R 1.47 m²°C/W (50mm)

Tolerances:
Width and length +/- 2 mm

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:
2.7 kg/m²

Installation:
Use Rondo Donn® DX1W T38 wide faced grid for large module panels 1500 x 1500mm, and Donn® DX1 T24 for 1350 x 1350mm. Butt join the 3 or 5 module panels side by side as they lay into the grid. Rondo Donn® DX1 T24 or DX1W T38 wide faced grid can be used for corridor wall to wall installation. Rondo Wall Angles shall be used on both opposing corridor walls. Follow industry standard installation methods for two way exposed ceiling systems, for seismic design please consult a structural engineer. Installation shall not commence until the building is water tight and dry. Light fittings shall be independently supported. It is recommended that air grilles be installed to balance air pressure differentials if required. Not for air return plenums.

Specification:
Ceiling system shall be Asona Triton 50 VG Plank 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 item # (_), size 50 x (_) x (_)mm, VG/square edge with Sonatex™ decorative laminate finish (white) (black) (RAL colour #__) (wood-look print), (Sonatex Hygiene laminate), sound absorption Class A, αW 1.00, NRC 1.00, CAC 30), Fire Group 1-S. Suspension system shall be Rondo Donn® (DX) (DX1W wide faced) two way exposed grid system. Wall angle shall be Rondo Donn® (WADX)(WAL), white. (Supply service panels with protective removable foil). 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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