triton 25™

HIGH SOUND ABSORBING CEILING PANEL

TECHNICAL DATA SHEET BPIR - CLASS 1

Acoustic Ceiling and Wall Solutions

triton 25™

High Sound Absorbing Ceiling Panel - NRC 0.95 CAC 22

Technical Data Sheet - BPIR Class 1

Triton 25™ is a made in NZ high sound absorbing ceiling panel that is designed to control unwanted noise reverberation. Triton panels are available in a wide range of sizes and decorative colours, wood prints, perforated acoustic patterns and Hygiene laminates for design freedom.

Photo: Wakatipu School, Triton 25, 600 x 1200mm with Sonaris random slot perforated finish.

Application

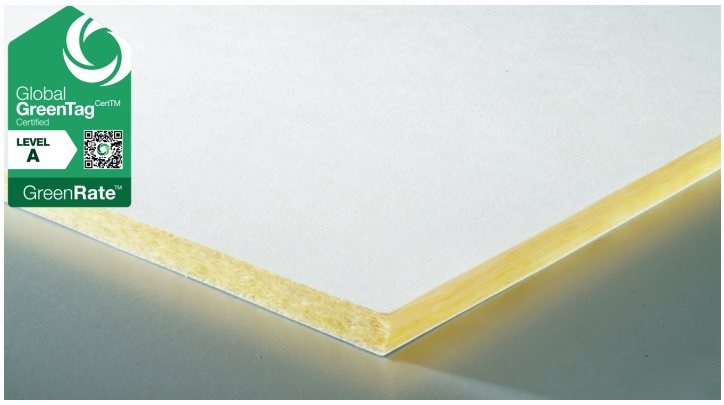
Triton 25™ is ideal for use in schools, open plan offices, call centres, libraries and general offices.

Composition

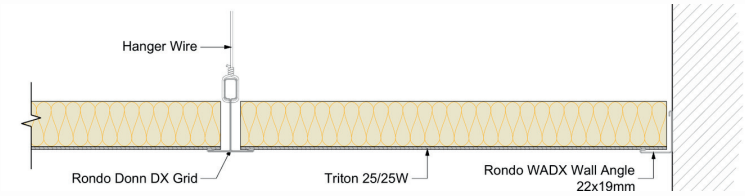
Manufactured from 48 kg/m³ bio-soluble glass wool absorber, tissue backed, Sonatex™ / Sonaris™ acoustic laminate finish. Suspension grid from coated galvanised steel.

Features & Benefits

- Very high sound absorption rating to control reverberation, NRC 0.95, ISO 11654 class A, αW 1.0.
- **Ministry of Education DQLS V3.1 2024 compliant solution.**
- Fire Group 1-S.
- Broad range of Sonatex™ and Sonaris™ decorative acoustic laminate finishes for design flexibility.
- Panels available with strippable foil option to better protect the decorative finish during the construction phase.
- Global GreenTag Certified Level A, low VOC, core contains 80% recycled post consumer waste glass.
- Made in NZ for short lead times including replacement parts.
- Product stewardship Renew and Reuse program available.
- Packaging take back and reuse scheme available (NZ only).
- Durable and dimensionally stable in high humidity.
- Light weight for seismic, easy to work and trim.
- Optional Sonatex Hygiene laminate facing.



Technical Drawing



Detail: Triton 25 ceiling tile suspended on Rondo Donn DX Grid

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*All dimensions are nominal. We reserve the right to change specifications.
Ref. Triton 25-26.08

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Technical Specifications:

Item #	Size (nominal)*	Edge
TR25.0312	25x 300 x 1200 mm	A / Square
TR25.0606	25x 600 x 600 mm	A / Square
TR25.0612	25x 600 x 1200 mm	A / Square
TR25.0618	25x 600 x 1800 mm	A / Square
TR25.0624	25 x 600 x 2400 mm	A / Square
TR25.1212	25 x 1200 x 1200 mm	A / Square

* Special sizes to order, max width 1200mm, length 2400 mm, ideal for borders

Sound Absorbtion Rating:
αW 1.0; Class A; NRC 0.95 per ASTM C423
ISO 354 E-200, Test report T0405-05

Hz	125	250	500	1000	2000	4000
αp A	0.55	0.85	1.00	0.95	1.00	1.00

Photo: Hobsonville Point Secondary School, Triton 25 with black Sonatex facing

Environmental Impact:
Global GreenTag Certified, Level A, 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™ is available in standard Sonatex™ white, black, grey and a range of wood prints, RAL colours and Sonaris™ perforated laminate finishes. Refer to online Sonatex™ / Sonaris™ 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 25 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.

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.

Service Panel Protection:
Panels are available with temporary foil covering to protect and keep panels clean during the construction phase.

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™ 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 25 x (_) x (_)mm, square edge with Sonatex™ decorative laminate finish (white) (black) (RAL colour #__) (wood-look print) (Sonaris™ perforated pattern#__) (Sonatex Hygiene laminate), sound absorption Class A, αW 1.00, NRC 0.95, 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). (Supply service panels with temporary 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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Sonatex™ - Acoustic Laminate Shades and Prints and LPL Finishes

Sonatex White to Black *

High NRC finish

A180 Standard White

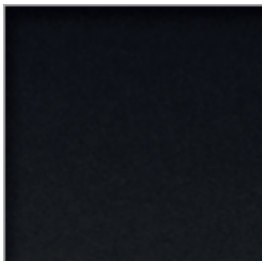
Hygiene Facing (not for Sonaris)

RAL 9002 White Grey

RAL 7040 Light Cool Grey

RAL 7030 Mid Warm Grey

RAL 7045 Mid Cool Grey



RAL 9011 Black

Colour options available *

Sonatex Wood Prints *

High NRC finish

(Roto gravure print on Sonatex, not to scale)

Wood print RAL 1013

Wood print RAL 1001 (TON 1127)

Wood print RAL 8019

Low Pressure Laminates

Woodlook *

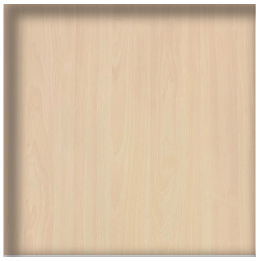
Reduced NRC performance unless perforated

LPL Kopenhagen

LPL Bleached Maple

LPL Tasmanian Oak

LPL Walnut



LPL Blond Maple

Contact Asona for samples:
Email: info@asona.co.nz
Phone: +64 (0) 9 525 6575

* Asona Sonatex is colour matched to the RAL Classic K7 range colours standard. The colour accuracy of this swatch card is dependent on your viewing screen and/or printer used. Digital print designs and custom colours are available to order, minimum quantity and lead times apply.

ISO 9001:2015 Registered Firm No. NZ1014
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Ref. Finishes-25.11

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