

# triton 50 bass<sup>TM</sup>

LOW FREQUENCY SOUND ABSORBING CEILING PANEL



TECHNICAL DATA SHEET



# triton 50 bass™

## Low Frequency Sound Absorbing Ceiling Panel

### Technical Data Sheet - BPIR Class 1

Triton 50 Bass™ is a proprietary low frequency sound absorbing ceiling panel designed to control unwanted reverberation in the low to mid frequencies and reflect high frequency sound.



#### Application

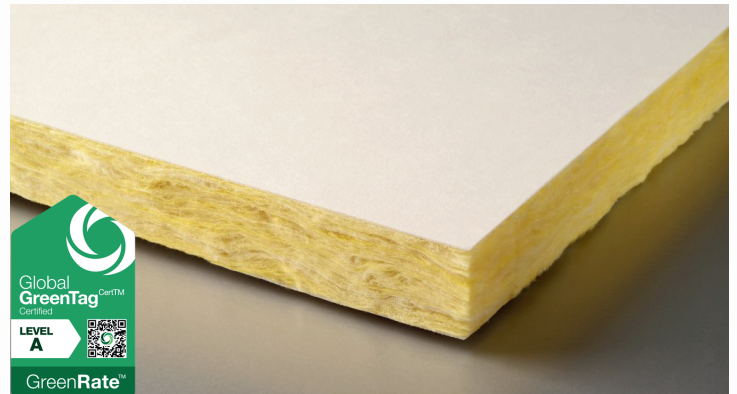
Triton 50 Bass™ is ideal to balance room acoustics in offices, educational facilities, music rooms, halls, studios.

#### Composition

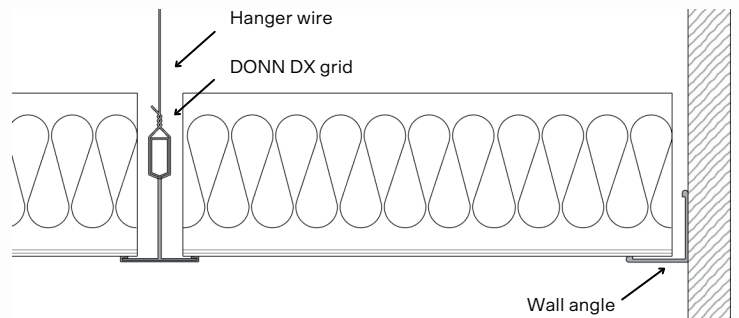
Made in NZ from proprietary Sonatex™ bass facing laminated to a 48 kg/m³ bio-soluble glass fibre absorber.

#### Features & Benefits

- Good sound absorption at low frequencies, reflective at high Hz, designed to balance room acoustics.
- CAC 30 as standard.
- Fire Group 1-S.
- Broad range of Sonatex™ colour finishes for design flexibility.
- Proprietary Sonatex™ composite facer, can be mixed and matched with other Triton or Diffusion reflector panels.
- Panels available with temporary protective foil covering to keep the panels clean during installation. Ideal for service panels.
- 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



Detail: Triton 50 Bass ceiling tile suspended on Rondo Donn DX Grid

## Technical Specifications:

| Item #    | Size (nominal)*     | Edge       |
|-----------|---------------------|------------|
| TB50.0612 | 50 x 600 x 1200 mm  | A / Square |
| TB50.1212 | 50 x 1200 x 1200 mm | A / Square |

\* Custom sizes available, width 300—1200 mm, length 400—2400 mm, consult Asona.

### Sound Absorption Rating:

E-200 mount -  $\alpha_W$  0.45 per ISO 354; NRC 0.55 per ASTM C423, Test report T0817-4; A mount -  $\alpha_W$  0.45, NRC 0.65 Test report T0817-2

| Hz                                | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|-----------------------------------|------|------|------|------|------|------|
| <b><math>\alpha_p</math> E200</b> | 0.75 | 0.75 | 0.60 | 0.50 | 0.40 | 0.35 |
| <b><math>\alpha_p</math> A</b>    | 0.50 | 0.95 | 0.70 | 0.50 | 0.35 | 0.35 |

### Ceiling Attenuation Class:

CAC 30, DncW 30, Test report UC454.

| Hz        | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|-----------|-----|-----|-----|------|------|------|
| <b>dB</b> | 15  | 19  | 26  | 33   | 38   | 45   |

### Environmental Impact:

Global GreenTag Certified, Class A, from 80% recycled local glass waste, low VOC <0.005 Mg/M<sup>2</sup>/hr per ASTM D5116.

Packaging return, panel recycle and renew programs.

### Laminate Finishes:

Panels are available in standard Sonatex™ white, black, grey and a range of wood prints and RAL colours.

Refer to online Sonatex™ finishes charts for colour and size options.

### 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/m<sup>2</sup>, 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 Bass 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 on site or at the factory with new Sonatex or Sonaris 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 m<sup>2</sup>°C/W

### 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® exposed grid systems supplied by Asona.

### Weight:

3.0 kg/m<sup>2</sup>

### 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:

Ceiling system shall be Asona Triton 50 Bass low frequency 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 TB50.(0612)(1212), size 50 x ( ) x 1200mm, square edge with Sonatex™ decorative laminate finish (white) (black) (RAL colour #\_) (wood-look print), sound absorption (E200 suspended  $\alpha_W$  0.45, NRC 0.55, suspension system shall be Rondo Donn® DX two way exposed grid system, grid colour (white) (black).) (direct fix A mount  $\alpha_W$  0.45, NRC 0.65), CAC 30, Fire Group 1-S. (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).



ISO 9001:2015 Registered Firm No. NZ1014

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

Ref. Triton 50B-26.08

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