

# triton 15™

HIGH SOUND ABSORBING CEILING PANEL



TECHNICAL DATA SHEET - BPIR CLASS 1



# triton 15™

## High Sound Absorbing Ceiling Panel - NRC 0.90

### Technical Data Sheet - BPIR Class 1

Triton 15™ is a made in NZ ISO class A high sound absorbing ceiling panel designed to control unwanted background noise and reverberation times. Triton 15™ is available in a wide range of acoustic laminate finishes, colours, prints and perforations.



Photo: Carlaw Park, Triton 15

#### Application

Triton 15™ is ideal for use in open plan offices, libraries and other applications that require control of background noise.

#### Composition

Manufactured from 96 kg/m<sup>3</sup> bio-soluble glass fibre absorber, tissue backed, with Sonatex™ composite facing finish.

#### Features & Benefits

- High sound absorption rating, NRC 0.90, ISO 11654 class A,  $\alpha_w$  0.95 for effective control of noise reverberation.
- Fire Group 1-S
- Broad range of Sonatex™ and Sonaris™ decorative acoustic finishes for design flexibility.
- Made in NZ, short lead times, including replacement panels.
- Global GreenTag Certified Level A.
- Product stewardship recycle and renew program available.
- Low embodied energy, contains minimum 74% recycled glass waste.
- Durable and dimensionally stable in high humidity.
- Light weight, lower seismic design costs easy to work & trim.

#### Technical Specifications:

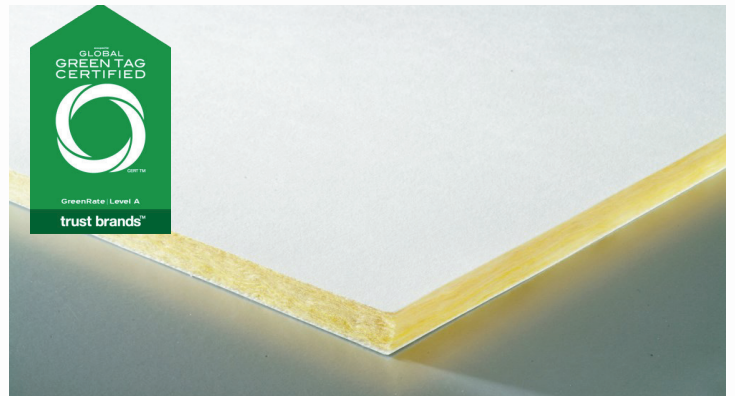
Item #	Size (nominal)*	Edge
TR15.0606A	15x 600 x 600 mm	A / Square
TR15.0612A	15x 600 x 1200 mm	A / Square

\* Non-standard sizes may be available to order, consult Asona. Sizes nominal.

#### Sound Absorption Rating:

$\alpha_w$  0.95; Class A; NRC 0.90 per ASTM C423  
ISO 354 E-200, Test report T1422-4

Hz	125	250	500	1000	2000	4000
<b>ap A</b>	0.45	0.80	0.95	0.85	0.95	0.90



#### Accessibility:

All panels are demountable and accessible.

#### Environmental Impact:

From 74% recycled content, low embodied energy, product and packaging can be recycled in NZ.

VOC <0.002 Mg/M<sup>2</sup>/hr per ASTM D5116.

#### Laminate Finishes:

Triton 15™ is available in standard white, black, grey and a range of Sonatex™ RAL colours and prints plus our patented Sonaris™ perforated laminate finishes. Refer to online Sonatex™/ Sonaris™ finishes charts for selections.

#### Light Reflectance:

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. 1.0 kg/m<sup>2</sup>, M&E services and point loads to be independently supported.

**Maintenance:**

Clean with vacuum, soft brush or damp cloth. Re-surfacing of soiled 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 3.4(a): Asona Triton 15™ has a Fire Material Group Number 1-S by NZBC verification method C/VM2 Appendix A, tested in accordance with ISO 5660 or ISO 9705.

**Service Panels:**

Available option with protective plastic film covering to help keep panels cleaning during the construction phase.

Thermal Resistance:

R 0.45 m<sup>2</sup>C/W.

**Warranty:**

15 year limited warranty against manufacturing defects, extendable to 30 years when registered for Asona's Renew™ and Reuse program.

**Weight:**

1.75 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 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. Tiles are not to support any weight. Care shall be taken when handling tiles to avoid damage.

**Specification:**

Ceiling system shall be Triton 15™ high sound absorbing ceiling as manufactured by Asona Ltd, Auckland, NZ. Tel: 09 525 6575 Selected panel shall be item # ( ), 600 x ( )mm, 15 mm thick, sound absorption Class A, α<sub>w</sub> 0.95, NRC 0.90, thermal insulation R0.45, Fire Group: 1-S, colour ( ), Global GreenTag Level A. Suspension system shall be Rondo Donn DX two way exposed suspension system. (Supply service panels with temporary protective removable foil). Contractor shall flat pack packaging and return to Asona and register the ceiling with Asona Renew and Reuse product stewardship program on practical completion.