

# Triton Duo 60™ NRC 0.95 CAC 44

## Composite Absorber/Attenuator Ceiling Panel



asona

### Technical Data Sheet

#### Description.

Triton Duo 60™ is made in NZ mass loaded 60 mm thick composite ceiling panel designed to provide attenuation of flanking and transmitted sound as well as broad band sound absorption for reverberation control. Panels are available in a wide range of decorative acoustic laminate finishes, colours, wood prints and perforated patterns.

#### Application.

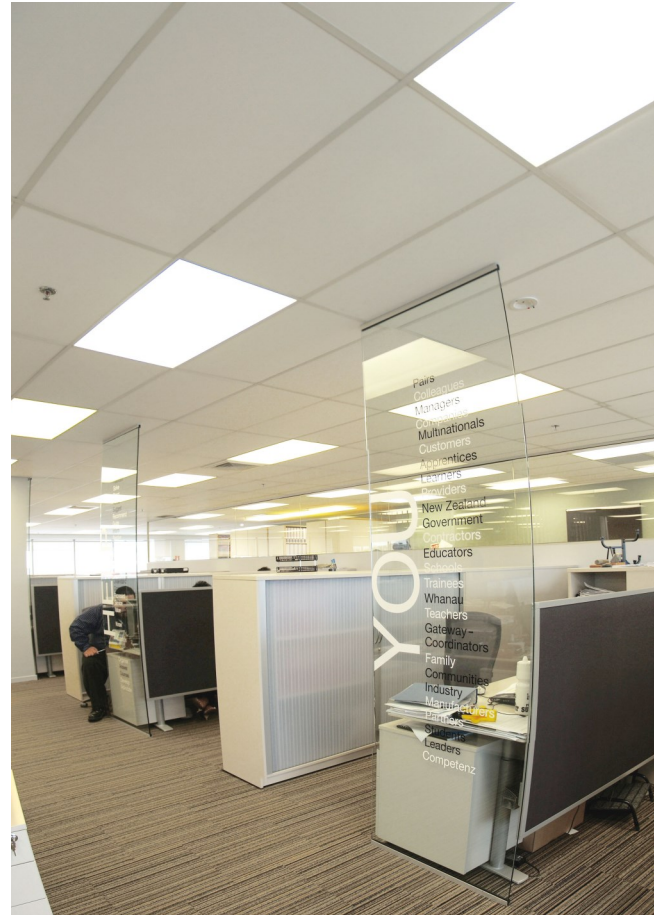
Triton Duo 60™ is ideal for ceilings under metal roofs to control rain noise, mechanical services, buildings near aircraft flight paths, train lines or for private meeting room ceilings.

#### Composition.

Manufactured in NZ from 50 mm 48 kg/m<sup>3</sup> bio-soluble glass fibre core with 10mm plasterboard attenuator backer, 320 gsm Sonatex™ / Sonaris™ acoustic laminate finishes.

#### Features & Benefits.

- Very high sound absorption, NRC 0.95, ΔW 1.0 to reduce background noise & reverberation times.
- High mass attenuator backer, STC 20 dB, CAC 44 to attenuate rain noise under metal roofs, plenum noise and room to room attenuation over partition heads.
- Fire Group 1-S.
- Broad range of [Sonatex™](#) and [Sonaris™](#) perforated acoustic laminate finishes for design freedom.
- Service panels available to order with temporary foil overlay, designed to protect the decorative finish on site during installation, remove prior to hand over.
- Made in NZ, short lead times including replacement parts.
- Packaging take back and reuse scheme available (NZ only).
- Product stewardship renew and reuse program.
- GreenTag Certified / Level B, low VOC, core contains 80% recycled post consumer waste glass.
- ISO 9001 registered quality management program.
- High light reflectance.
- Durable and dimensionally stable in high humidity.
- Custom sizes and finishes available.



#### Technical Specifications

Item #	Size (nominal) *	Edge
TD60.0606	60 x 600 x 600 mm	A / Square
TD60.0612	60 x 600 x 1200 mm	A / Square

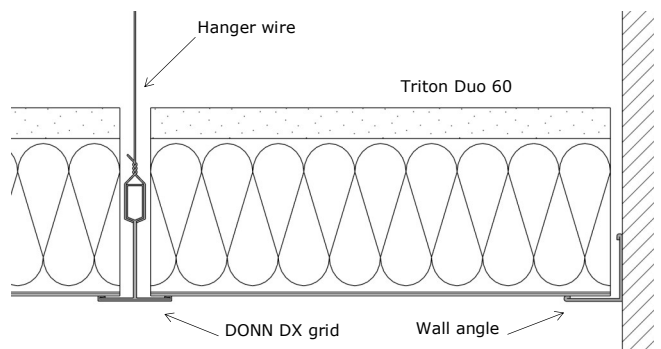
\* Special sizes to order, consult Asona

**Sound Absorption Rating:** αW 1.0; NRC 0.95 per ASTM C423, ISO 354 E-200. Test report T0516-10

Hz	125	250	500	1000	2000	4000
αp	0.50	0.70	1.00	1.00	1.00	0.95

**Ceiling Attenuation Class:** CAC 44, DncW 44  
Test reports UC 431

Hz	125	250	500	1000	2000	4000
dB	31	31	44	53	56	67



Detail: Triton Duo 60 ceiling tiles suspended on Rondo Donn DX1H Grid

## Technical Specifications



Photo: Haeata Community College

### Accessibility:

All panels are removable and accessible.

### Back Loading:

Max 1.5 kg/m<sup>2</sup>, point loads shall be independently supported.

### Environmental Impact:

Global GreenTag Certified, Level B, from 80% recycled local glass waste, low VOC <0.005 Mg/M<sup>2</sup>/hr per ASTM D5116. Packaging return, panel Renew and Reuse programs.

### Fire Reaction:

NZBC verification method C/VM2 material Group: 1-S  
NCC BCA C1.10 clause 4, spec A2.4 clause 4. Group 1

### Humidity:

Max 99% R/H at 45°C.

### Laminate Finishes:

Panels are available in standard Sonatex™ white, black, grey and a range of wood prints, RAL colours and Sonaris™ perforated laminate finishes. Refer to online [Sonatex™](#) and [Sonaris™](#) finishes charts for colour and size options.

### Light Reflectance Value:

85% per BS8493:2008, White

### Maintenance:

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

### NZ Building Code:

Clause B2—durability, 5 years

### 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 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 temporary removable protective foil covering to keep panels clean during the construction phase.

### Stewardship:

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

### Thermal Resistance:

R 1.4 m<sup>2</sup>°C/W

### Tolerances:

Panel size +/- 1.5 mm

### Warranty:

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

### Weight:

6.75 kg per 1194 x 594 mm panel, 9.5 kg/m<sup>2</sup>

### Installation:

Shall not commence until the building is water tight and dry. Follow industry standard installation methods for two way exposed ceiling systems, for seismic design please consult a structural engineer.

### Specification:

Ceiling system shall be Asona Triton Duo 60™ composite sound attenuator/ absorber ceiling as manufactured by Asona Ltd Auckland NZ Tel: +64(0)9 525 6575 info@asona.co.nz. Selected panel shall be item # ( ) , size 60 x 600 x ( ) mm, square edge with Sonatex™ finish (white) (black) (RAL colour # ) (wood-look print) (Sonaris™ perforated pattern# ), sound absorption Class A,  $\alpha_w$  1.00, NRC 0.95, CAC 44 dB, Fire Group 1-S. Suspension system shall be Rondo Donn DX two way exposed grid system with 19 x 22 mm wall trim, grid colour (white) (black). 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).

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### ISO 9001:2015 Registered Firm No. NZ1014

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\*All dimensions are nominal. We reserve the right to change specifications. Ref. Triton Duo 60-23-03

