

# Triton Trio 85™ NRC 0.95, CAC 48, STC 25

## Composite Absorber/Attenuator Ceiling Panel

### Technical Data sheet



asona

#### Description.

Triton Trio 85™ is a proprietary 85 mm thick 3 layer high performance composite acoustic ceiling panel designed to attenuate airborne noise transmission through the ceiling and control plenum and room reverberation. Triton Trio 85 is fully accessible, lays into standard exposed grid system and comes in a range of decorative laminate finishes.

#### Application.

Triton Trio 85 is ideally suited to attenuate noise below plenum mounted mechanical services as well as closed plan offices with high room to room privacy requirements and partitions terminating at the ceiling level.

#### Composition.

Manufactured in NZ from 50 mm glass fibre board with a Sonatex™ facing and a high mass plasterboard attenuator core with 25mm high density glass fibre board back.

#### Benefits.

- Unique 3 layer construction with 50 mm room side absorber, high mass gypsum core and 25 mm plenum side absorber provides NRC 0.95 and CAC 48 for effective acoustic control
- Fire Group 1S
- Built in plenum absorption eliminates the need for separate acoustic insulation overlay blanket saving on costs, construction time and ensures reliable system performance.
- Wide range of decorative acoustic laminate finishes for design flexibility.
- Product stewardship recycle and renew program available.

#### Technical Specifications

Item #	Size (nominal) *	Edge
TT85.0606	85 x 600 x 600 mm	A / Square
TT85.0612	85 x 600 x 1200 mm	A / Square

**Practical Sound Absorption Rating:** Class A  $\alpha$ W 1.0 ISO 354; NRC 0.95 ASTM C423, E-200 Test report: T17711-1

size	Hz	125	250	500	1000	2000	4000
85mm	$\alpha$ p	0.70	0.70	1.00	1.00	1.00	1.00

**Airborne Sound Reduction:** ISO143 Rw 25 dB, STC 25 dB per ASTM E413-87 Test report T0520-4

size	Hz	125	250	500	1000	2000	4000
85mm	dB	15	17.7	24.1	30.8	36.8	40

**Ceiling Attenuation:** Class A, ISO 717-1.2000, ASTM E413-10, CAC 48, Test report: 432

Hz	125	250	500	1000	2000	4000
Attenuation	31	36	45	55	60	66

#### Accessibility:

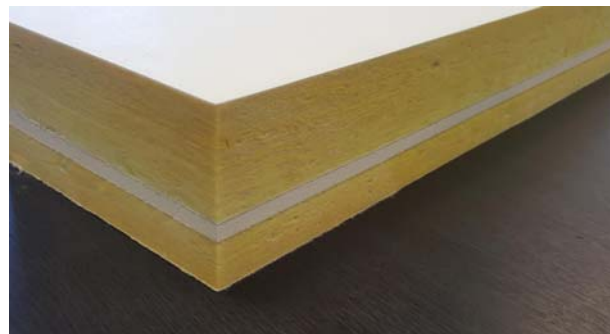
All panels are demountable and accessible

#### Back loading:

Max. 3.0 kg/m<sup>2</sup>, point loads max. 1.5 kg unsupported.

#### Laminate Finishes:

Triton Trio 85™ 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.



#### Environmental Impact:

Made in NZ, contains 80% recycled content, low embodied energy. Product and packaging can be recycled/ reused in NZ.

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

#### Installed conditions:

Max 95% R/H at 45°C.

#### Fire Reaction:

Material group number: 1S (highest rating) C/VM2 / ISO 5660.1. Suitable for fire exit way and all other sprinklered & non sprinklered buildings.

#### Light reflectance:

ASTM E1477-98A, LR-1, >75%

#### Maintenance:

Clean with vacuum, soft brush, re-surfacing available.

#### NZ Building Code:

Exceeds NZBC clause B2—durability

#### Service Panels:

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

#### Thermal Resistance:

R 2.0 m<sup>2</sup>°C/W

#### Weight:

11.9 kg/m<sup>2</sup>

#### Installation:

Shall not commence until the building is water tight and dry. Light fittings shall be independently supported.

#### Specification:

Ceiling shall be Triton Trio 85™ composite sound absorber and attenuator acoustical ceiling system by Asona Ltd Tel: 09 525 6575, info@asona.co.nz, #item ( ), module ( ) x ( )mm, 85 mm thick, sound absorption class A,  $\alpha$ W 1.0, NRC 95, CAC 48, STC 25, thermal insulation R 2.0, colour white, (Rondo Donn DX) (Rondo Donn DXW) two way exposed suspension system. Supply service panels with protective strippable plastic film facing. Contractor shall register the ceiling with Asona Recycle & Renew product stewardship program on practical completion.

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