

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

Composite Absorber/Attenuator Ceiling Panel



asona

Technical Data sheet

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, colours, wood prints and perforated patterns.

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.

Features & 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, CAC 48 and STC 25.
- Fire Group 1-S.
- Global GreenTag Certified, Level A.
- Built in plenum absorption eliminates the need for separate acoustic insulation overlay blanket saving on costs and construction time.
- Wide range of decorative acoustic laminate finishes for design flexibility.
- Product stewardship renew and reuse program.
- Made in NZ, short lead times including replacement parts.

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 αW 1.0 ISO 354; NRC 0.95 ASTM C423, E-200 Test report: T17711-1

size	Hz	125	250	500	1000	2000	4000
85mm	αp	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:

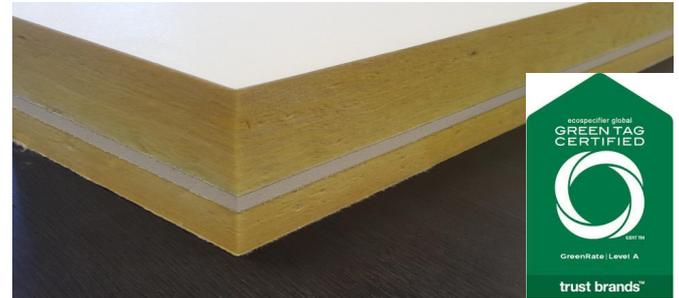
Max 1.5 kg/m², point loads shall be independently supported.

Environmental Impact:

Made in NZ, contains 80% recycled content, low embodied energy. Packaging return, panel renew and reuse programs. VOC <0.002 Mg/M²/hr per ASTM D5116

Humidity:

Max 99% R/H at 45°C.



Fire Reaction:

NZBC verification method C/VM2 material Group: 1-S Suitable for fire exit way and all other sprinklered and non-sprinklered buildings.

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.

Light Reflectance Value:

85% per BS8493:2008, White

Maintenance:

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

NZ Building Code:

Clause B2—durability, 5 years

Service Panel Protection:

Panels are available with temporary removable protective foil covering to keep panels clean during construction.

Thermal Resistance:

R 2.0 m²°C/W

Warranty:

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

Weight: (11.9 kg/m²)

4.2 kg per 593 x 593mm & 293 x 1193mm panels.
8.42 kg per 593 x 1193 mm panel, requires PS1 seismic design to ULS.

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 shall be Triton Trio 85™ composite absorber and attenuator acoustical ceiling tile manufactured by Asona Ltd Tel: 09 525 6575, info@asona.co.nz, item # (), size 85 x () x ()mm, square edge with Sonatex™ finish (white) (black) (RAL colour #) (wood-look print) (Sonaris™ perforated pattern#), sound absorption class A, αW 1.0, NRC 95, CAC 48, STC 25, thermal insulation R2.0, Fire Group 1-S, colour white, Rondo Donn DX two way exposed suspension system. 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.
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