

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 made in NZ 85 mm thick triple layer high mass composite accessible ceiling panel designed to provide maximum attenuation of airborne noise transmission and maximum sound absorption for reduction of reverberation both in the occupied space and in the plenum area.

Application.

Triton Trio 85™ is ideally suited for all areas requiring attenuation from rain noise, plenum noise as well as controlling room reverberation and acoustics.

Composition.

Manufactured in NZ from 50 mm glass fibre core with a Sonatex™ facing and a high mass 10mm 690 kg/m³ plaster-board attenuator backer on top, plus a further 25mm high density glass fibre board on top.

Benefits.

- STC 25 dB, high mass for maximum attenuation of airborne noise transmission.
- NRC 0.95 for maximum absorption, reduce background noise levels and reverberation times.
- Access to plenum services, fast and easy to install
- Cost effective noise attenuation without the need for a secondary acoustic (blanket) treatment.
- Provides sound absorption inside ceiling cavity.
- Eliminates the service cost and risks associated with a secondary acoustic blanket overlay.

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

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

Practical Sound Absorption Rating: Class A α_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	α_p	0.70	0.70	1.00	1.00	1.00	1.00

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

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

Accessibility:

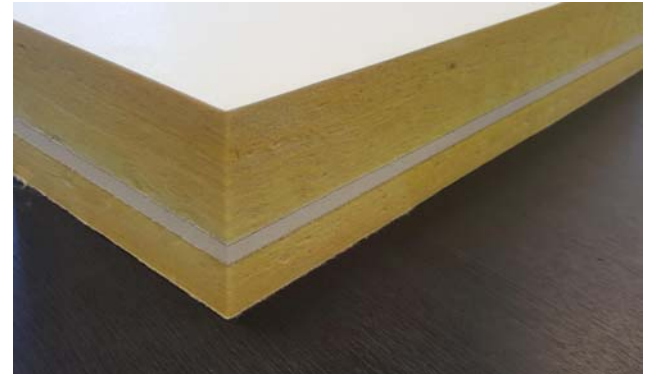
All panels are demountable and accessible

Back loading:

Max. 3.0 kg/m², point loads max. 1.5 kg unsupported.

Colour:

Sonatex™ white, black, colours, prints & Sonaris™ perforated patterns to order, consult Asona.



Environmental Impact:

Made in NZ, contains recycled content, product and packaging can be recycled/ reused in NZ.

Installed conditions:

Max 90% R/H at 30°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 C1477 LR-1, >75%

Maintenance:

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

NZ Building Code:

Clause B2—durability, 5 years

Service Panels:

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

Thermal Resistance:

R 2.0 m²°C/W

Weight:

11.9 kg/m²

Installation:

Shall not commence until the building is water tight and dry. Light fittings over 1.5 kg per unit shall be independently supported.

Specification:

Ceiling system shall be Triton Trio 85 high STC composite acoustical ceiling system as manufactured by Asona Ltd tel: 09 525 6575, fax: 09 525 6579, #TT85.0612, size: 85 x 600 x 600 mm, 85 x 600 x 1200mm CAC 48, STC 25dB, NRC 0.95, Fire group: 1S, colour: white, black with T24 heavy duty two way exposed suspension system. Service panels shall be supplied with protective strippable plastic film facing #PF.

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