

Triton Duo 35™ - NRC 0.75 CAC 44



Composite Absorber/Attenuator Ceiling Panel

Technical Data sheet

ASONA

Description.

Triton Duo 35™ is made in NZ 35 mm thick composite ceiling panel with a high mass backer. The panel is designed to attenuate unwanted plenum noise and provide high sound absorption to control room reverberation and background noise levels.

Application.

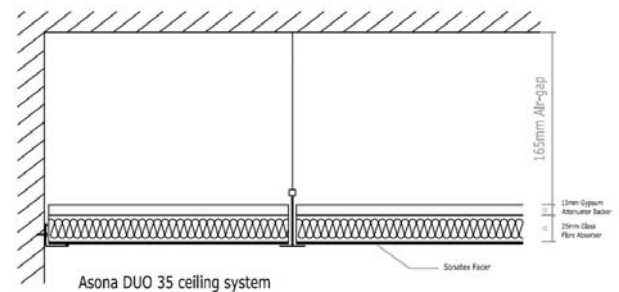
Triton Duo 35™ will attenuate rain noise under metal roofs, plenum noise from A/C ducts, provides room to room privacy with ceiling over partition heads and will reduce reverberation times in office, classrooms, corridors, meeting rooms etc

Composition.

Manufactured in NZ from 25 mm bio-soluble resin bonded glass fibre core with a high mass 10mm 680 kg/m³ plasterboard attenuator backer and mat white Sonatex™ or perforated Sonaris™ glass mat composite facing.

Benefits.

- NRC 0.75 to reduce background noise and reverberation.
- CAC 44 to attenuate plenum noise.
- Fire Group 1S.
- Broad range of Sonatex and Sonaris decorative acoustic laminate finishes for design flexibility.
- Product stewardship recycle and renew program available.
- Fast and easy to install, dimensionally stable.
- Made in NZ, short lead times vs. imports.



Technical Specifications

Item #	Size (nominal) *	Edge
TD35.0606	35 x 600 x 600 mm	A / Square
TD35.0612	35 x 600 x 1200 mm	A / Square
TD35.0624	35 x 600 x 2400 mm	A / Square

Sound Absorption Rating: 35mm- α W 0.6 (MH); NRC 0.75 per ASTM C423, ISO 354 E-200

size	Hz	125	250	500	1000	2000	4000
35mm	α p	0.35	0.30	0.65	1.00	1.00	1.00

CAC Rating: UC report 431

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

Accessibility:

All panels are demountable and accessible

Back loading:

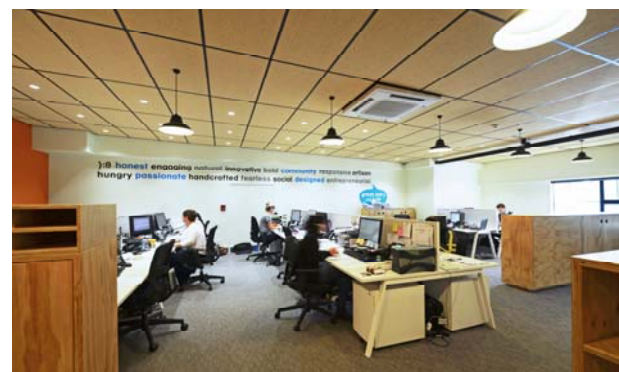
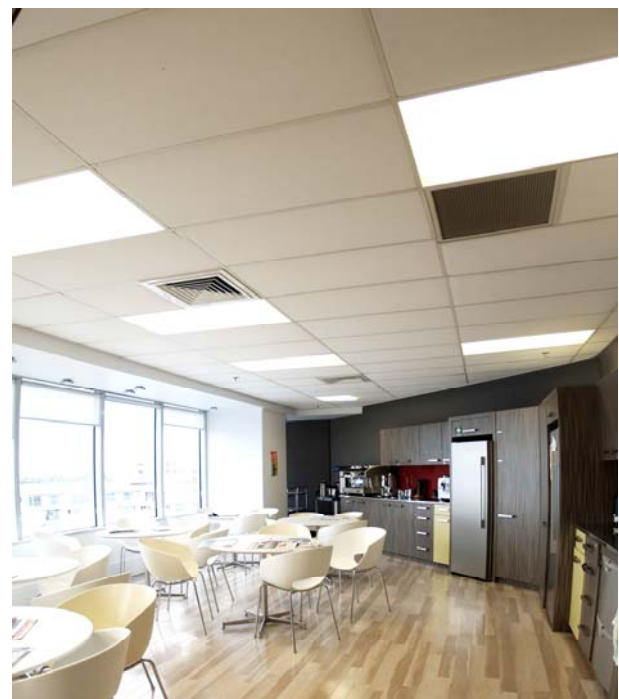
Max. 3.0 kg/m², point loads max. 1.5 kg unsupported.

Laminate Finishes:

Triton Duo 35™ 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:

Global Green Tag Certified, Class A, from 80% recycled local glass waste, low VOC <0.002 Mg/M²/hr per ASTM D5116, damaged or soiled panels can be resurfaced to reduce construction waste / landfill.



Triton Duo 60™ NRC 0.95 CAC 44

Composite Absorber/Attenuator Ceiling Panel

Technical Data sheet



asona

Description.

Triton Duo 60™ is a made in NZ 60 mm thick composite ceiling panel with a high mass backer. The panel is designed to attenuation unwanted plenum noise and provide high sound absorption to control room reverberation and background noise levels.

Application.

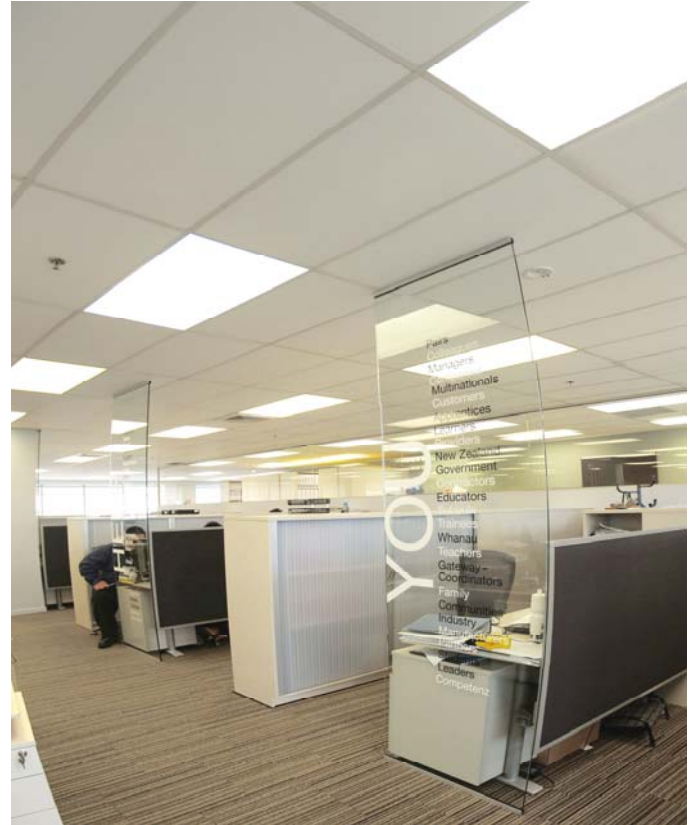
Triton Duo 60™ is designed for use in schools, libraries, open office, halls ceilings under metal roofs to muffle rain noise whilst providing excellent absorption to reduce reverberation.

Composition.

Manufactured from 50 mm 48 kg/m² bio-soluble resin bonded glass fibre core with plasterboard attenuator backer, Sonatex™ or Sonaris™ decorative acoustic laminate finish.

Benefits.

- Very high sound absorption, NRC 0.95, α_w 1.0 to reduce background noise & reverberation times.
- High mass attenuator backer, STC 20 dB (CAC 44) to attenuate rain noise under metal roof and plenum noise.
- Fire Group 1S.
- Broad designer range of Sonatex™ and Sonaris™ decorative acoustic laminate finishes for design flexibility.
- Product stewardship recycle and renew program available.
- Contains 80% recycled glass waste, low VOC.
- Durable & dimensionally stable in high humidity.
- GreenTag Certified / Level A.
- Made in NZ, short lead time service position including replacement parts.



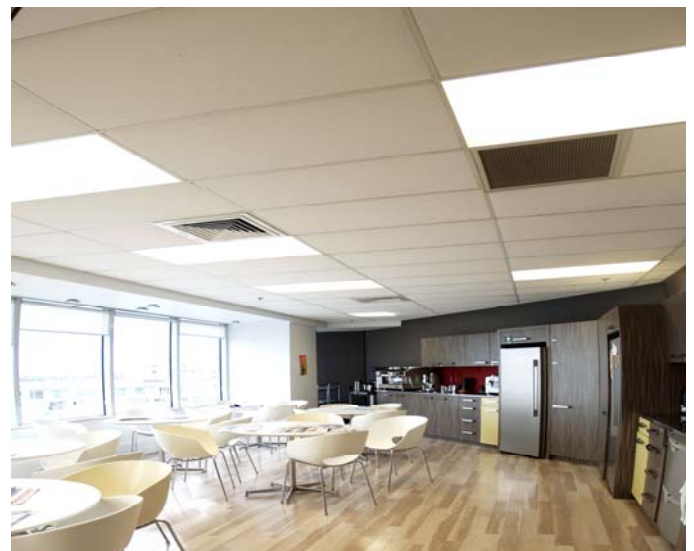
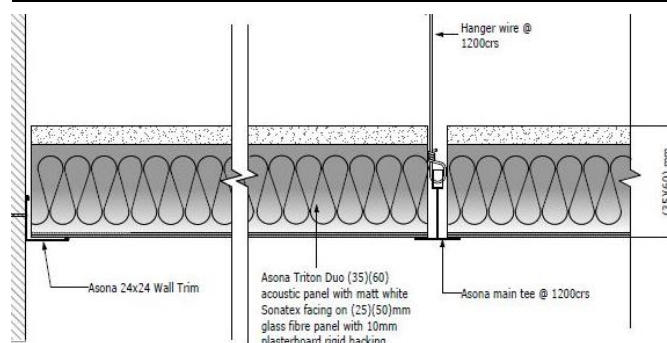
Technical Specifications

Item #	Size (nominal) *	Edge
TD60.0606	60 x 600 x 600 mm	A / Square
TD60.0612	60 x 600 x 1200 mm	A / Square
TD60.0624	60 x 600 x 2400 mm	A / Square

* Special sizes to order, max width 600mm, length 2400 mm

Sound Absorption Rating: α_w 1.0; NRC 0.95 per ASTM C423, ISO 354 E-200. Test report T0516-10							
size	Hz	125	250	500	1000	2000	4000
60mm	α_p	0.50	0.70	1.00	1.00	1.00	0.95

CAC Rating: UC report 431							
CAC	125	250	500	1000	2000	4000	
dB	31	31	44	53	56	67	



Triton Duo 60™ NRC 0.95 CAC 44

Composite Absorber/Attenuator Ceiling Panel

Technical Data sheet



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Accessibility:

All panels are demountable and accessible

Back loading:

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

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/M²/hr per ASTM D5116

Laminate Finishes:

Triton Duo 60™ 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.

Fire Reaction:

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

Installed conditions:

Max 95% R/H at 45°C.

Light reflectance:

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

Maintenance:

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

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 1.4 m²°C/W

Weight:

9.5 kg/m²

Installation:

Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in areas of wind uplift. It is recommended that air grilles be installed in the ceiling to balance air pressure differentials. Not for air return plenums.

Specification:

Ceiling shall be Triton Duo 60™ composite sound absorber and attenuator acoustical ceiling system by Asona Ltd Tel: 09 525 6575, info@asona.co.nz, #item (), module () x ()mm, 60 mm thick, sound absorption class A, NRC 0.95, STC 22, CAC 44, thermal insulation R 1.4, 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.

Asona Ltd

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ISO 9001:2008 Registered Firm No. NZ1014

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Ref. Triton Duo 60- 0319

Triton Duo 35™ - NRC 0.75 CAC 44

Composite Absorber/Attenuator Ceiling Panel



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Technical Data sheet

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.

Installed conditions:

Max 95% R/H at 45°C.

Light reflectance:

ASTM C1477 LR-1, >75% White

Maintenance:

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

Accessibility:

All panels are demountable and accessible

Back loading:

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

Laminate Finishes:

Triton Duo 35™ 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:

Global Green Tag Certified, Class A, from 80% recycled local glass waste, low VOC <0.002 Mg/M²/hr per ASTM D5116, damaged or soiled panels can be resurfaced to reduce construction waste / landfill.

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.

Installed conditions:

Max 95% R/H at 45°C.

Light reflectance:

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

Maintenance:

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

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 0.7 m²°C/W

Weight:

8.3 kg/m²

Installation:

Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in areas of wind uplift. It is recommended that air grilles be installed in the ceiling to balance air pressure differentials. Not for air return plenums.

Specification:

Ceiling shall be Triton Duo 35™ composite sound absorber and attenuator acoustical ceiling system by Asona Ltd Tel: 09 525 6575, info@asona.co.nz, #item (), module () x ()mm, 35 mm thick, sound absorption class A, αW 0.6, NRC 0.75, CAC 44, thermal insulation R 0.7, 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.

Asona Ltd

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