

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 designed to provide high sound absorption and attenuation for control of reverberation and transmitted noise.

Application.

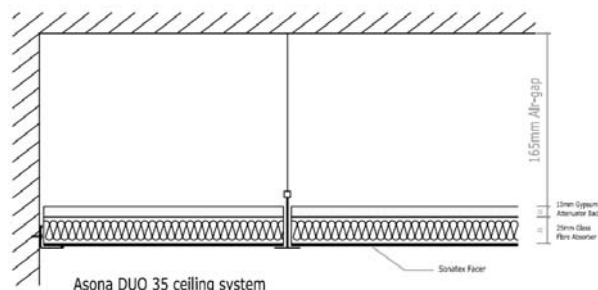
Triton Duo 35™ will attenuate rain noise under metal roofs, plenum noise from A/C ducts, provides room to room privacy with ceiling over partition heads and will reduce reverberation times in office, classrooms, corridors, meeting rooms etc

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
- Toughened composite Sonatex™ or decorative perforated Sonaris™ facing for design choice
- Fast and easy to install, dimensionally stable
- Made in NZ, short lead times vs. imports



Technical Specifications

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

Sound Absorption Rating: 35mm-aW 0.6 (MH); NRC 0.75 per ASTM C423, ISO 354 E-200							
size	Hz	125	250	500	1000	2000	4000
35mm	∅p	0.35	0.30	0.65	1.00	1.00	1.00

Accessibility:

All panels are demountable and accessible

Back loading:

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

Colour:

White, other colours and patterns to order, consult Asona.

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

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 90% R/H at 30°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.

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 0.7 m²°C/W

Weight:

8.3 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, for seismic design please consult a structural engineer.

Specification:

Ceiling shall be Triton Duo 35 composite sound absorber and attenuator acoustical ceiling system by Asona Ltd tel: 09 525 6575, fax: 09 525 6579, #AC43534A, size 35 x 600 x 1200 mm, NRC 0.75, colour white, lay panel onto two way exposed suspension system. Fire group: 1S

Asona Ltd

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ISO 9001:2008 Registered Firm No. NZ1014

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All dimensions are nominal. We reserve the right to change specifications
Ref. Triton Duo35 -1809

Triton Duo 60™ NRC 0.95 CAC 44

Composite Absorber/Attenuator Ceiling Panel

Technical Data sheet



asona

Description.

Triton Duo 60™ is a 60 mm thick ISO class A composite acoustical ceiling panel designed to provide very high sound absorption to control reverberation time with high mass to attenuate transmitted rain noise from metal roofs.

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 35 kg/m² bio-soluble resin bonded glass fibre core with a high mass 10mm 740 kg/m³ plasterboard attenuator backer with plain Sonatex™ or die cut perforated Sonaris™ decorative acoustic facing.

Benefits.

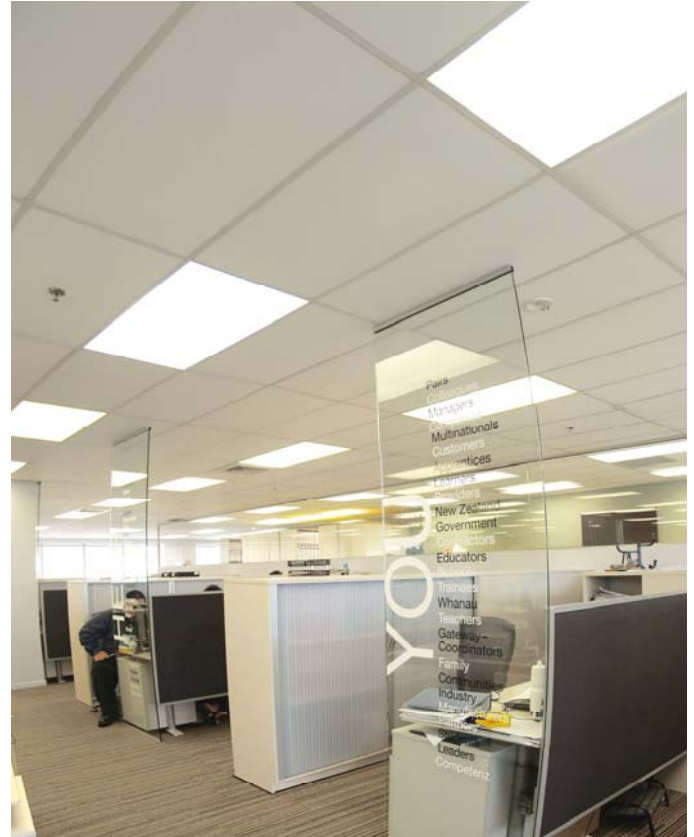
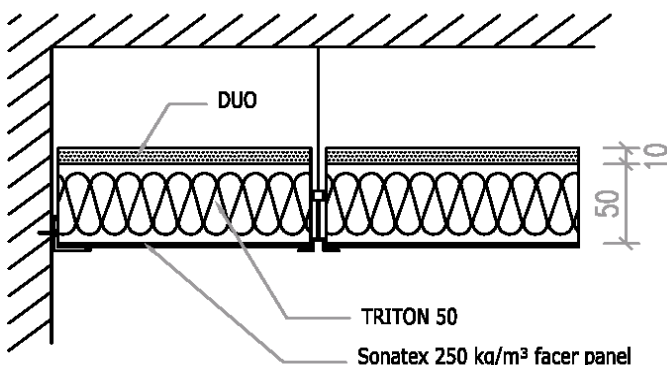
- Very high sound absorption, NRC 0.95, α_w 1.0 to reduce background noise & reverberation times
- High mass attenuator backer, STC 20 dB (CAC 44) to attenuate rain noise under metal roof and plenum noise.
- Wide range of decorative acoustic laminate finishes.
- Clean white high light reflectance as standard
- Easy to install, dimensionally stable in high humidity
- GreenTag Certified / Level A

Technical Specifications

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



Technical Specifications



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

Finish:

Sonatex™:(White AS180) (Mid Grey RAL7040) (Light Grey RAL7030) (Grey White RAL9002) (Wood Wool Print) (Plaster Print) (Wood Print over RAL1014 Oak) (Wood Print over RAL1013 Blond) (Wood Print over RAL8019 Walnut) (Zinc Yellow RAL1018) (Ivory RAL1014) (Graphite Black RAL9011) (Traffic Red RAL3020) (Orient Red RAL3031) (Traffic Orange RAL2009) (Traffic Green RAL6032) (Aqua RAL6027) Sonaris™ perforations.

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 90% R/H at 30°C.

Light reflectance:

ASTM C1477 LR-1, >75% White

Maintenance:

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

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 1.4 m²°C/W

Weight:

9.5 kg/m²

Installation:

Shall not commence until the building is water tight and dry. M/E fittings over 1.5 kg shall be independently supported, for seismic design please consult a structural engineer.

Specification:

Ceiling shall be Asona Triton Duo 60 composite high sound absorber and attenuator acoustical ceiling system manufactured and supplied by Asona Ltd tel: 09 525 6575, (600 x 1200 mm #TD60.0612) (600 x 2400 mm #TD60.0624) NRC 0.95, STC 22, CAC44. Decorative acoustic laminate finish shall be Sonatex™:(White AS180) (Mid Grey RAL7040) (Light Grey RAL7030) (Grey White RAL9002) (Wood Wool Print) (Plaster Print) (Wood Print over RAL1014 Oak) (Wood Print over RAL1013 Blond) (Wood Print over RAL8019 Walnut) (Zinc Yellow RAL1018) (Ivory RAL1014) (Graphite Black RAL9011)(Traffic Red RAL3020) (Orient Red RAL3031) (Traffic Orange RAL2009) (Traffic Green RAL6032) (Aqua RAL6027). Sonaris™ (perforation). Support panels on (T24) (T38 wide faced) exposed suspension grid. Service panels shall be supplied with protective strippable plastic film. Fire group: 1S

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