

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.

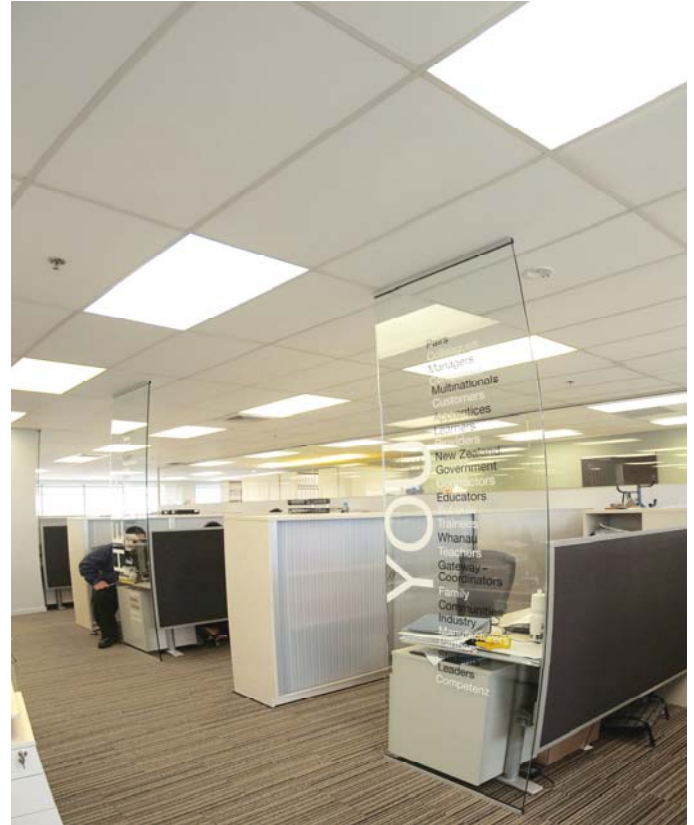
Triton Duo 60™ is designed for use in schools, libraries, open office, halls ceilings under metal roofs to muffle rain noise whilst providing excellent absorption to reduce reverberation.

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.



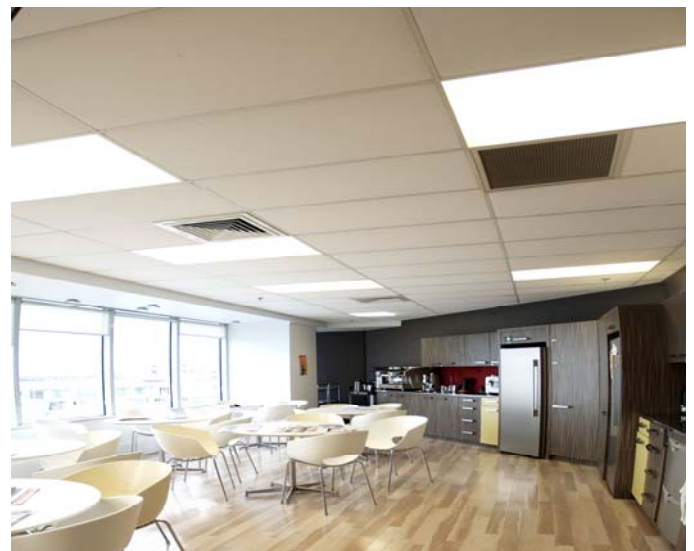
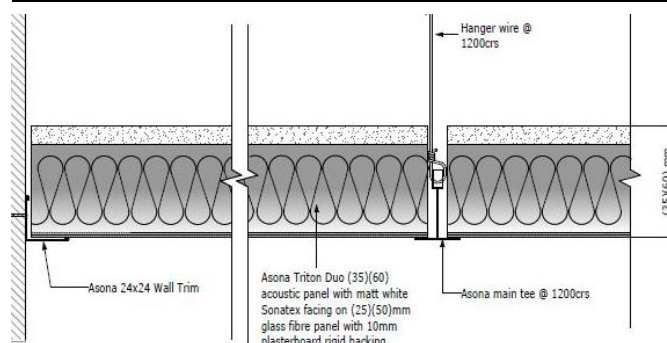
Technical Specifications

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	



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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.

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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 .
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