

Triton Duo 35™ - NRC 0.75, CAC 44



Composite Absorber/Attenuator Ceiling Panel

Technical Data Sheet

asona

Description.

Triton Duo 35™ is a made in NZ mass loaded 35 mm thick composite ceiling panel designed to provide high attenuation of transmitted noise plus absorption to control reverberation times. Panels are available in a range of decorative finishes

Application.

Triton Duo 35™ is ideal for ceilings under metal roofs to control rain noise, mechanical service noise, buildings near aircraft flight paths, train lines or for private meeting room ceilings.

Composition.

Manufactured in NZ from 25 mm 48 kg/m³ bio-soluble glass fibre core with a high mass 10mm plasterboard attenuator backer, 320 gsm Sonatex™ / Sonaris™ acoustic laminate finishes.

Features & Benefits.

- High mass attenuator backer, STC 20 dB, CAC 44 for attenuation of transmitted noise. Ideal under metal roofs.
- Class C sound absorption, NRC 0.75, α_w 0.60 for control of background noise & reverberation times.
- Fire Group 1-S.
- Broad range of [Sonatex™](#) and [Sonaris™](#) perforated acoustic laminate finishes for design freedom.
- Service panels available to order with temporary foil overlay to protect service panel decorative finish during installation, remove prior to hand over.
- Made in NZ, short lead times including replacement parts.
- Packaging take back and reuse scheme available (NZ only).
- Product stewardship Renew and Reuse program.
- GreenTag Certified / Level B, low VOC, core contains 80% recycled post consumer waste glass.
- Durable and dimensionally stable in high humidity

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

* Special sizes to order, consult Asona.

Sound Absorption Rating: 35mm- α_w 0.6 (MH); NRC 0.75 per ASTM C423, ISO 354 E-200, Test T0516-8						
Hz	125	250	500	1000	2000	4000
α_p	0.35	0.30	0.65	1.00	1.00	1.00

Accessibility:

All panels are removable and accessible when suspended.

Back Loading:

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

Environmental Impact:

Global GreenTag Certified, Class B, contains 80% recycled glass waste, low VOC <0.005 Mg/M²/hr per ASTM D5116. Packaging return, panel Renew and Reuse programs.

Fire Reaction:

NZBC verification method C/VM2 material Group: 1-S
NCC BCA C1.10 clause 4, spec A2.4 clause 4. Group 1

Humidity:

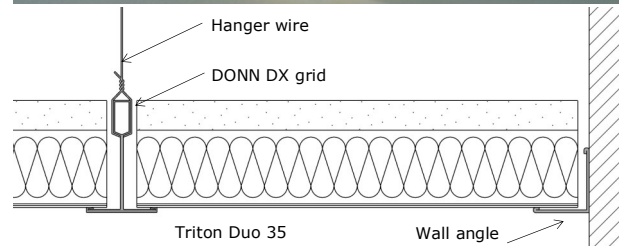
Max 99% R/H at 45°C.

Light Reflectance Value:

85% per BS8493:2008, White.

Laminate Finishes:

Panels are available in standard Sonatex™ white, black, grey, wood prints, RAL colours and Sonaris™ perforated laminate finishes. Refer to online [Sonatex™](#) and [Sonaris™](#) finishes charts for colour and size options.



Detail: Triton Duo 35 ceiling tiles suspended on Rondo Donn DX1H Grid

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 Panel Protection:

Panels are available with removable protective foil covering to help keep panels clean during installation.

Thermal Resistance:

R 0.74 m²°C/W

Warranty:

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

Weight:

5.9 kg per 1194 x 594 mm panel, 8.3 kg/m²

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 system shall be Asona Triton Duo 35 as manufactured by Asona Ltd Auckland NZ Tel: +64(0)9 525 6575 info@asona.co.nz. Selected panel shall be item # (), size 35 x 600 x ()mm, square edge with Sonatex™ finish (white) (black) (RAL colour # ()) (wood-look print) (Sonaris™ perforated pattern# ()), NRC 0.75, CAC 44, Fire Group 1-S. Suspension shall be Rondo Donn DX exposed grid. 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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*All dimensions are nominal. We reserve the right to change specifications.
Ref. Triton Duo 35-23-03

