

Triton Duo 60™ NRC 0.95 STC 22

Composite Absorber/Attenuator Ceiling Panel

Technical Data sheet



ASONA

Description.

Triton Duo 60™ is made in NZ 60 mm thick ISO class A composite acoustical ceiling panel designed to provide very high sound absorption and good attenuation for control of reverberation and transmitted noise.

Application.

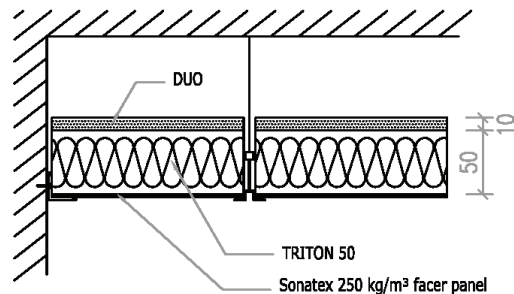
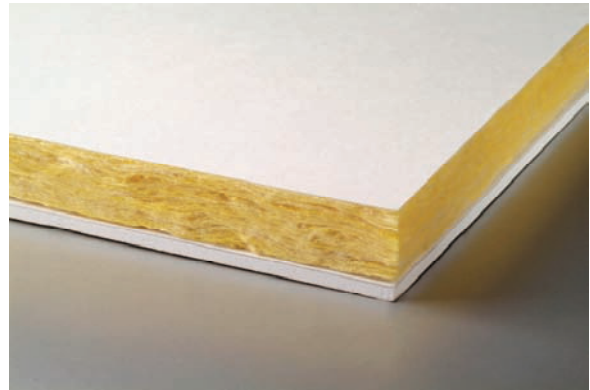
Triton Duo 60™ is ideal for use in open office and call centre ceilings under metal roofs to muffle rain noise whilst providing excellent absorption to reduce reverberation.

Composition.

Manufactured in NZ from Sonatex™ 250 kg/m³ composite facer panel laminated to a 50 mm 35 kg/m³ bio-soluble resin bonded glass fibre with a high mass 10mm 740 kg/m³ plasterboard attenuator backer

Benefits.

- Very high sound absorption, NRC 0.95, α_w 1.0, for effective reduction of background noise and reverberation
- High mass attenuator backer, STC 22 dB
- Durable Sonatex composite facer for longer life.
- Clean white high light reflectance finish
- Easy to install, dimensionally stable
- Made in NZ, short lead times vs. imports.



Technical Specifications

Item #	Size (nominal) *	Edge
AC46034A	60 x 600 x 1200 mm	A / Square

* Others to order, width and length max. 1200 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

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 30% recycled content, low embodied energy. Product and packaging can be recycled/ reused in NZ.

Fire Reaction:

AS1530 pt 3.

Smoke developed 3, spread of flame 0.

Installed conditions:

Max 90% R/H at 30°C.

Light reflectance:

ASTM C1477 LR-1, >75%

Maintenance:

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

NZ Building Code:

Clause B2—durability, 5 years

Patent Pending:

NZP531386

Service Panels:

Available with protective plastic film covering to help keep panels clean 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 over 1.5 kg per unit shall be independently supported, use hold down clips in seismic areas.

Specification:

Ceiling system 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, fax: 09 525 6579, #AC46034A, module 600 x 1200 x 60 mm, NRC 0.95, STC 22, colour white, with proprietary colour/texture matched TFX glass tissue faced two way exposed suspension system, secure with 2 x hold down clips per panel. Service panels shall be supplied with protective strippable plastic film facing #PF.

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Ref. Triton Duo 60 -0703