

Asona Triton Duo 60 Hi-NRC/STC ceiling panels

Product Technical Statement: 113030



Dual layer absorber/ attenuator ceiling panels

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Asona confirms that this minimum level of assurance has been met or exceeded by the following:

BRANZ

[Fire Assessment Report - FAR4593-01-2](#)



The following information has been provided by Asona demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 1

Product Description

Triton Duo 60™ is a 60 mm thick dual layer composite absorber/ attenuator ceiling panel with Sonatex™ facer 50mm absorber and high mass 740 kg/m³ 10mm attenuator backer. Designed for control of reverberation and speech privacy between offices, meeting rooms and attenuation of rain noise under metal roofing or plenum ventilation duct noise.

To compliment any interior, Duo 60 is available in a wide range of decorative acoustic laminate finishes, colours, woodprints, and perforated patterns.

Scope of use

Designed for control of both room reverberation and speech privacy between offices, meeting rooms and attenuation of rain noise under metal roofing, plenum mechanical services, buildings near aircraft flight paths or train lines. Panels simply lay into standard Rondo Donn exposed grid systems for ease of installation and plenum access where required.

- For interior use only, and not in direct contact with water.
- Not for use with negative air return plenums.
- Maximum humidity/temperature 99% R/H at 45°C.
- Back loading max. 1.5kg/m², point loads to be independently supported.

Service Panel Protection: Panels are available with temporary foil covering to protect and keep panels clean during the construction phase.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(c)

Clause B2.3.1 (c) (i): 5 years if building elements are easy to access and replace.

Asona ceiling tiles with only normal maintenance will have a minimum durability of at least 5 years when installed in accordance with; manufacturer's installation requirements and AS/NZS 2785:2020.

In use history. No test methods available

- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(a)

Clause C/AS2 3.4(a): Asona Triton Duo 60 has a Fire Material Group Number 1-S by NZBC verification method C/VM2 Appendix A, tested in accordance with ISO 5660 or ISO 9705.

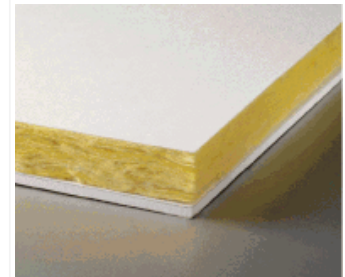
Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

B2 Durability and C3 Early Reaction to Fire

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



masterspec partner

Company Contact Details

asona

Company: Asona Limited
Physical Address: 6 Mahunga Drive
Mangere Bridge
AUCKLAND
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Use in Service History

Multiple installations within PTS scope.

Product Criteria

Design requirements

Triton Duo 60™ is ideal for ceilings under metal roofs to control rain noise, mechanical services, buildings near aircraft flight paths, train lines or for private meeting room ceilings.

This product is designed to be mounted into a two-way exposed grid system and installed to manufacturer's and AS/NZS 2785:2020 Standard's requirements. Seismic design may require a suitably qualified engineer.

Renew & Reuse Stewardship Program: Soiled or damaged panels can be resurfaced with new Sonatex™ or Sonaris™ laminates for reuse in the ceiling. Helps extend life cycle and reduce construction waste. Register on practical completion.

Installation requirements

Shall not commence until the building is watertight and dry. This product is designed to be mounted into a two-way exposed grid system and installed to manufacturer's, AS/NZS 2785:2020 Standard's and AWCINZ Code of Practice requirements. Seismic design may require a suitably qualified engineer. Hold down clips may be required in areas of wind uplift, and/or air grilles used to balance air pressure. Care shall be taken when handling tiles to avoid damage.

Service Panel Protection: Panels are available with temporary foil covering to protect and keep panels clean during the construction phase.

Maintenance requirements

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

Warrantees

Triton Duo 60 is covered by a 15 year limited warranty against manufacturing defects, extendable to 30years when registered on practical completion for Asona's Renew and Reuse program.

Company Product Information

Environmental

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

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made



Global GreenTag Pty Ltd ASO-TR01-2023-GR

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Asona Limited

Business Email:

info@asona.co.nz

Company Website:

www.asona.co.nz

Contact Number/s:

+64 09 -5256575

Product Identifier

TD60.0606 60 X 600 X 600 MM A / SQUARE TD60.0612 60 X 600 X 1200 MM A / SQUARE
TD60.0618 60 X 600 X 1800 MM A / SQUARE TD60.0624 60 X 600 X 2400 MM A / SQUARE

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Warnings

This product has no warnings associated with it.



Date last validated: **20 December 2024**



Date last updated: **20 December 2024**

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