

triton hygiene 25TM

ANTI-MICROBIAL FACED ACOUSTIC CEILING PANEL



TECHNICAL DATA SHEET BPIR - CLASS 1



triton hygiene 25™

Anti-microbial faced acoustic ceiling panel - NRC 0.90

Technical Data Sheet - BPIR Class 1

Triton Hygiene 25™ is a made in NZ, 'soft' fibre ceiling panel with anti-microbial finish, designed to provide high sound absorption in hygiene sensitive areas.



Photo: Albany High School—Food Tech Classroom

Application

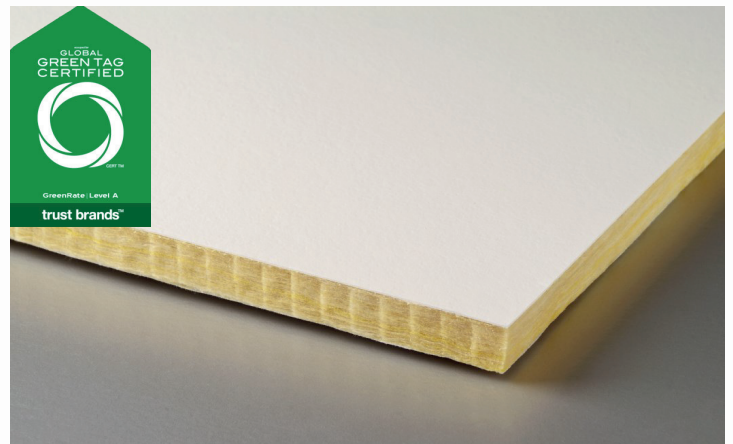
Triton Hygiene 25™ is ideal for cafes, restaurants, school food tech rooms, medical/dental centres and pharmaceutical areas for the control of background noise levels and reverberation times.

Composition

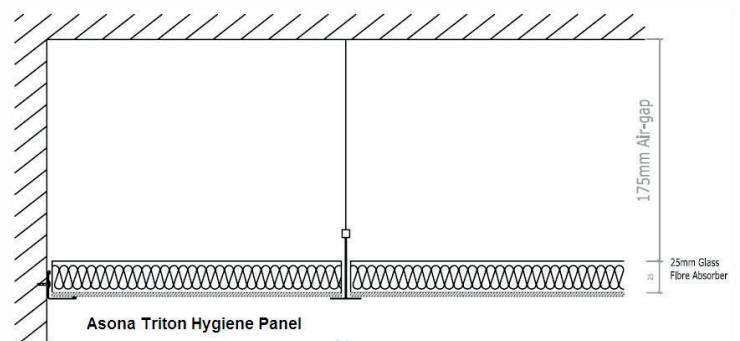
Manufactured from smooth anti-microbial coated Sonatex™ composite facer panel laminated to a 48 kg/m³ bio-soluble glass fibre absorber. Optional foil backed. Suspension grid from galvanised steel.

Features & Benefits

- Smooth anti-microbial facing is easy to wipe clean.
- Panel face is treated with an anti-microbial coating for high kill rate against common bacteria. Tested to Japanese Standard JIS Z 2801:2000, achieves 99.95% minimum over 24 hours for:
 - Staphylococcus aureus
 - Eschericia coli (Ecoli)
 - Pseudomonas aeruginosa
 - Acinetobacter baumannii
 - Serratia marcescens
- Provides very good sound absorption from 250 - 2000 Hz, NRC 0.90, ISO 11654 class A, α_{W} 0.90(LM). Helps reduce back ground noise and reverberation.
- Fire Group 2-S.
- Made in NZ, short lead times including replacement parts.
- Product stewardship Renew and Reuse program available.
- Packaging take back and reuse scheme available. (NZ only)
- GreenTag Certified level A, low VOC, core contains 80% recycled post consumer waste glass.
- Durable and dimensionally stable in high humidity.
- Panels available with strippable foil option to better protect the decorative finish during the construction phase.
- Light weight, lower seismic design costs, easy to work and trim.
- Available with optional foil backing to resist water damage from condensation in plenum.



Technical Drawing



ISO 9001:2015 Registered Firm No. NZ1014

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*All dimensions are nominal. We reserve the right to change specifications.

Ref. Triton H25-24.05

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Technical Specifications:

| Item # | Size (nominal)* | Edge |
|------------|--------------------|------------|
| THH25.0606 | 25 x 600 x 600 mm | A / Square |
| THH25.0612 | 25 x 600 x 1200 mm | A / Square |

Imperial 2 x 2', 2' x 4' and custom sizes to order.

Sound Absorption Rating: TH25

αW 0.90(LM); Class A; NRC 0.90 per ASTM C423
ISO 354 E-200, Test report T1819-1

| Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|-----------------|------|------|------|------|------|------|
| αp E-200 | 0.60 | 0.90 | 0.95 | 0.85 | 0.90 | 0.80 |

Accessibility:

All panels are demountable and accessible.

Anti-microbial:

99.95% kill rate over 24 hours when tested to Japanese anti-microbial Standard JIS Z 2801:2000. Report available on request.

Colour:

White.

Environmental Impact:

Global GreenTag Certified, Level A, contains 80% recycled glass waste, low VOC <0.002 Mg/M²/hr per ASTM D5116.

Packaging return, panel Renew and Reuse programs.

Light Reflectance Value:

83% per BS8493:2008, White.

Limitations:

- 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.

Maintenance:

May be cleaned with a damp soapy cloth, clean away residual soap and dry after cleaning. Not suitable for water blasting pressure cleaning techniques. Consult Asona.

NZ Building Act

This product is not subject to a warning or ban under Section 26.

NZ Building Code Compliance:

- B2 Durability – Clause B2.3.1 (c) (i): 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.
- C3 Fire – Clause C/AS2 3.4(a): Asona Triton Hygiene 25™ has a Fire Material Group Number 2-S by NZBC verification method C/VM2 Appendix A, tested in accordance with ISO 5660 or ISO 9705. (NCC BCA C1.10 clause 4, spec A2.4 clause 4. Group 2).

Packaging Take Back Scheme: (NZ only)

Flat pack cartons on site and return to Asona for reuse.

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.

Thermal Resistance:

R 0.74 m²C/W.

Warranty:

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



Goodman Feilder—Training Room

Weight:

1.5 kg/m².

Installation:

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 and AS/NZS 2785:2020 Standard’s 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.

Specification:

Ceiling system shall be Triton Hygiene 25™ composite acoustical ceiling manufactured and supplied by Asona Ltd Tel: 09 525 6575 info@asona.co.nz, Selected panel shall be item # (), size 25 x 600 x ()mm, square edge with coated Sonatexanti-microbial laminate finish (white), backed with optional (METPET)(Aluminium) foil. Sound absorption Class A, αW 0.90, NRC 0.90, thermal insulation R 0.74, Fire Group 2-S. Suspension system shall be Rondo Donn DX two way exposed grid system with 19 x 22 mm wall trim, grid colour (white). (Supply service panels with protective removable film). 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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