triton hygiene™

ANTI-MICROBIAL FACED ACOUSTIC CEILING PANEL

TECHNICAL DATA SHEET BPIR - CLASS 1

Acoustic Ceiling and Wall Solutions

triton hygiene™

Anti-microbial faced acoustic ceiling panels - NRC 0.70 - 0.95, CAC 22- 48

Technical Data Sheet - BPIR Class 1

Triton Hygiene™ is a made in NZ, 'soft' fibre ceiling panel with anti-microbial finish, designed to provide high sound absorption in hygiene sensitive areas. Triton Hygiene™ is available in a range of different acoustic options to suit individual environment requirements.

Photo: Albany High School—Food Tech Classroom

Application

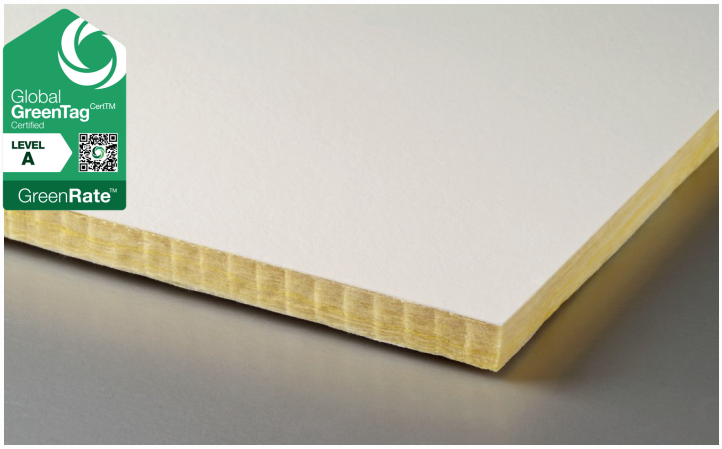
Triton Hygiene™ is ideal for cafes, restaurants, school food tech rooms, medical/dental centres and pharmaceutical areas for the control of background noise levels and reverberation times.

Composition

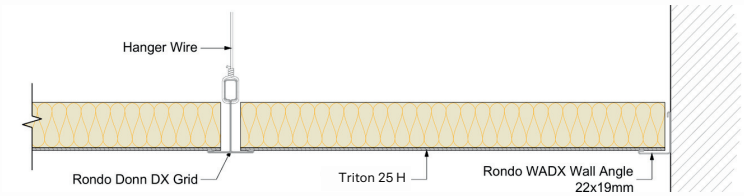
Manufactured from smooth anti-microbial coated Sonatex ™ composite facer panel laminated to bio-soluble glass fibre absorber. Optional foil backed. Triton Duo and Trio options include a high mass attenuation backer to reduce roof and room to room noise.

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
    - Serrratia marcescens
- Broad range of panel options provides very good NRC sound absorption to help reduce back ground noise and reverberation, combined with CAC options to attenuate sound between areas.
- 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 on the face 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



Detail shown:
Triton 25 Hygiene ceiling tile suspended on Rondo Donn DX® Grid

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

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Technical Specifications:

Panel Type	NRC	CAC
Triton 25	0.90	22
Triton 30HD	0.90	30
Triton 50	0.95	30
Triton 50HD	0.90	35
Triton 75	0.95	N/A
Triton 100	0.95	N/A
Triton Duo 35	0.70	44
Triton Duo 60	0.90	44
Triton Trio 85	0.90	48

Also available as Triton Cloud Hygiene. Refer individual Technical Datasheets for full product specifications.

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 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 4.12.1: Asona Triton Hygiene has a Fire Material Group Number 2-S by NZBC Building Product Specification Parts 8.5.4 or 8.5.5, tested in accordance with ISO 9705 or ISO 5660.
(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™ Hygiene, Sonatex™ or Sonaris™ laminates for reuse in the ceiling. Helps extend life cycle and reduce construction waste. Register on practical completion.

Sizes:
600 x 600, 600 x 1200, 600 x 2400, 1200 x 1200mm, Edge A/Square

Thermal Resistance:
R 0.74 - 3.0 m²°C/W. Refer individual TritonTechnical Datasheets.

Warranty:
15 year limited warranty against manufacturing defects, extendable to 30 years when registered for Asona's Renew and Reuse program and installed in Rondo Donn DX® exposed grid systems supplied by Asona.

Goodman Feilder—Training Room

Weight:
1.5 - 11.9kg/m². (refer individual tile data sheets)

Installation:
Shall not commence until the building is watertight and dry. This product is designed to be mounted into a Rondo Donn DX® 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™ composite acoustical ceiling manufactured and supplied by Asona Ltd Tel: 09 525 6575 info@asona.co.nz, Selected panel shall be Panel Type (_), size (_) x (_)mm, square edge A, with coated white Sonatex anti-microbial laminate finish, (backed with optional METPET foil). Sound absorption NRC (_) CAC (_), 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).

NEW ZEALAND MADE

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