

triton 30hd™

HIGH SOUND ABSORBING CEILING PANEL



TECHNICAL DATA SHEET BPIR - CLASS 1



triton 30hd™

High Sound Absorbing Ceiling Panel - NRC 0.95 CAC 30

Technical Data Sheet - BPIR Class 1

Triton 30HD™ is a made in NZ, high sound absorbing ceiling panel with HD core for attenuation of plenum noise and room to room noise. Triton panels are available in a wide range of size, decorative acoustic laminate finishes, colours, wood prints and perforated patterns for design freedom.

Application

Triton 30HD™ is ideal for use in open plan offices, call centres, schools and general office ceilings.

Composition

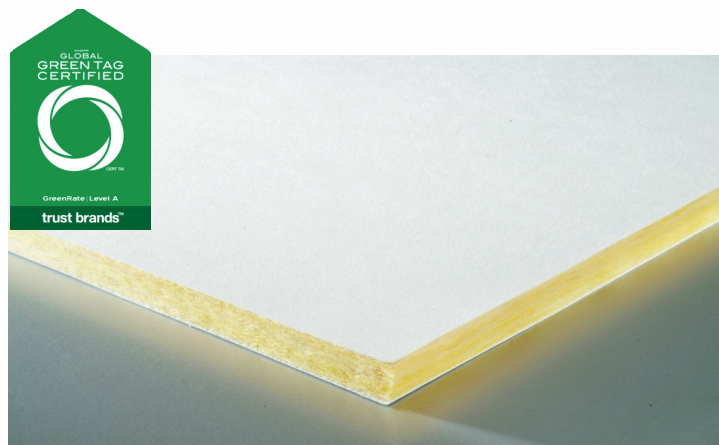
Manufactured from HD 120 kg/m³ bio-soluble glass wool core with Sonatex™ / Sonaris™ glass mat acoustic laminate finish. Suspension grid from coated galvanised steel. Made in NZ

Features & Benefits

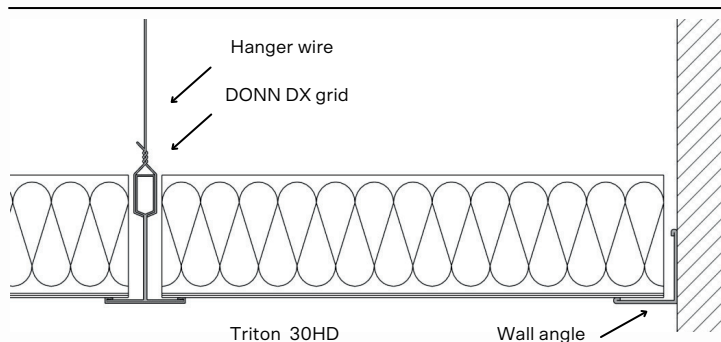
- Very high sound absorption rating to control reverberation, NRC 0.95, ISO 11654 class A, α_W 1.0.
- CAC 30 for attenuation of plenum & ceiling flanking noise.
- Fire Group 1-S
- Broad range of Sonatex™ and Sonaris™ perforated acoustic laminate finishes for design freedom.
- Panels available with temporary protective foil to keep them clean during installation. Ideal for service panels.
- Custom size border panels give perimeters a cleaner look.
- Made in NZ, short lead times including replacement panels.
- Packaging take back and reuse scheme available (NZ only).
- Product stewardship Renew and Reuse program.
- GreenTag Certified / Level A, low VOC, core contains 74% minimum recycled waste glass.
- Durable and dimensionally stable in high humidity.
- Light weight for seismic areas, easy to work and trim.



Photo: Haeata community college classroom.



Technical Drawing



Detail: Triton 30HD ceiling tile suspended on Rondo Donn DX Grid

Technical Specifications:

| Item # | Size (nominal)* | Edge |
|--------------|---------------------|------------|
| TR30.0606.HD | 30 x 600 x 600 mm | A / Square |
| TR30.0612.HD | 30 x 600 x 1200 mm | A / Square |
| TR30.0624.HD | 30 x 600 x 2400 mm | A / Square |
| TR30.1212.HD | 30 x 1200 x 1200 mm | A / Square |

*Custom sized panels available, width 300—1200 mm, length 400—2400 mm. Ideal for ceiling borders and corridor planks

Sound Absorption Rating:

E-200 mount, ISO 354 Class A; α_W 1.0; NRC 0.95 per ASTM C423, Test T1747-4, A mount NRC 0.75 Test T1747-7

| Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|------------------|------|------|------|------|------|------|
| α_p A mnt | 0.10 | 0.45 | 0.90 | 1.00 | 1.00 | 0.95 |
| α_p E-200 | 0.65 | 0.85 | 0.95 | 0.95 | 1.00 | 0.90 |

Ceiling Attenuation Class:

CAC 30, DncW 30, Test reports UC452

| Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|---------|-----|-----|-----|------|------|------|
| 'HD' dB | 16 | 22 | 33 | 33 | 41 | 52 |

Environmental Impact:

Global GreenTag Certified, Level A.
Packaging return, panel recycle and renew programs

Laminate Finishes:

Triton 30HD is available in standard Sonatex™ white, black, grey and a range of wood prints, RAL colours and Sonaris™ perforated laminate finishes.
Refer to online Sonatex™ / Sonaris™ finishes charts for colour and size options.

Light Reflectance Value:

85% 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:

Clean with a vacuum, soft brush or damp cloth.
Re-surfacing of damaged panels available, 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 25 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.
(NCC BCA C1.10 clause 4, spec A2.4 clause 4. Group 1)

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.



Service Panel Protection:

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

Stewardship Program:

Register the ceiling installation on practical completion with Asona Renew and Reuse program.

Thermal Resistance:

R 0.88m²°C/W.

Tolerances:

Width and length +/- 2 mm.

Warranty:

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

Weight:

3.9 kg/m².

Installation:

Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in areas of wind uplift. For suspended ceilings it is recommended that air grilles be installed in the ceiling to balance air pressure differentials. Not for return air plenums.

Specification:

Ceiling system shall be Asona Triton 30HD™ high sound absorbing ceiling as manufactured by Asona Ltd Auckland NZ Tel: +64(0)9 525 6575 info@asona.co.nz. Selected panel shall be item # (), size 30 x () x ()mm, square edge with Sonatex™ decorative laminate finish (white)(black) (RAL colour #__) (wood-look print) (Sonaris™ perforated pat-tern#__), sound absorption Class A, α_W 1.00, NRC 0.95, CAC 30, Fire Group 1-S. Suspension system shall be Rondo Donn DX two way exposed grid system with 19 x 22 mm wall angle, grid colour (white)(black). (Supply service panels with temporary protective foil). 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).



ISO 9001:2015 Registered Firm No. NZ1014

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*All dimensions are nominal. We reserve the right to change specifications.
Ref. Triton 30HD-24.10

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