triton 30hd™

HIGH SOUND ABSORBING CEILING PANEL

TECHNICAL DATA SHEET BPIR - CLASS 1

Acoustic Ceiling and Wall Solutions

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 sizes and decorative colours, wood prints, perforated acoustic patterns and Hygiene laminates for design freedom.

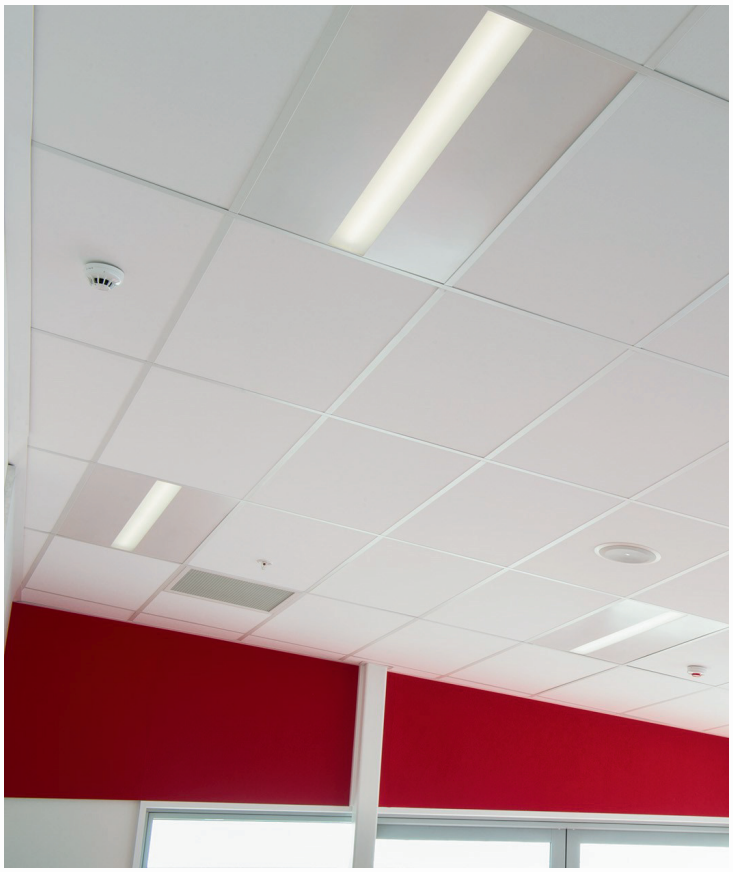


Photo: Haeata community college classroom.

Application

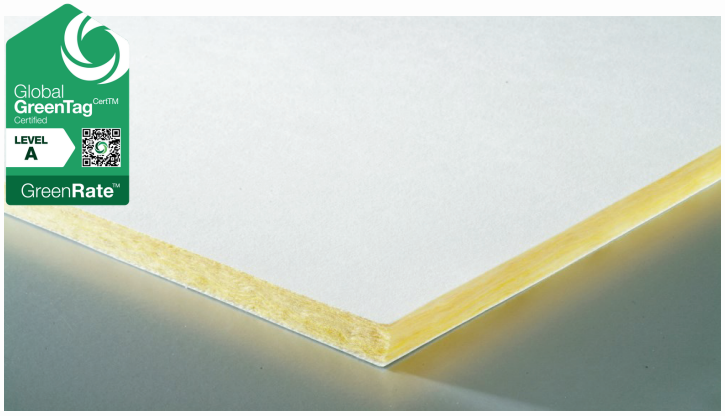
Triton 30HD™ is ideal for use in open plan offices, call centres, schools and general office ceilings.

Composition

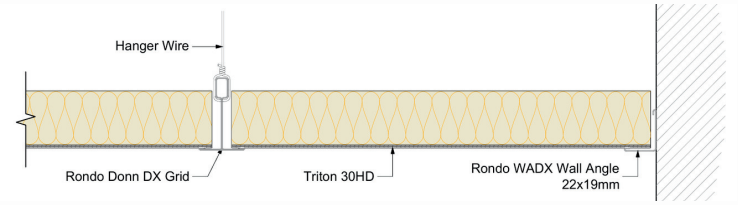
Manufactured from HD 120 kg/m³ bio-soluble glass wool core with Sonatex™ / Sonaris™ glass mat acoustic laminate finish. Suspension grid from coated galvanised steel. Made in NZ

Features & Benefits

- Very high sound absorption rating to control reverberation, NRC 0.95, ISO 11654 class A, αW 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.
- Global 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.
- Optional Sonatex Hygiene laminate facing.



Technical Drawing



Detail: Triton 30HD ceiling tile suspended on Rondo Donn DX® exposed grid system

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

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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 Absorbtion Rating:
E-200 mount, ISO 354 Class A; ∂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
αp A mnt	0.10	0.45	0.90	1.00	1.00	0.95
αp 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	25	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.
Also available with Sonatex Hygiene laminate facing.

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 4.12.1: Asona Triton 30HD has a Fire Material Group Number 1-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 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 and installed in Rondo Donn® exposed grid systems supplied by Asona.

Weight:
3.9 kg/m².

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. Care shall be taken when handling tiles to avoid damage.

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#__), (Sonatex Hygiene laminate), sound absorption Class A, αW 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).

NEW ZEALAND MADE

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Sonatex™ - Acoustic Laminate Shades and Prints and LPL Finishes

Sonatex White to Black *

High NRC finish

A180 Standard White

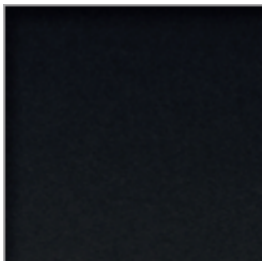
Hygiene Facing (not for Sonaris)

RAL 9002 White Grey

RAL 7040 Light Cool Grey

RAL 7030 Mid Warm Grey

RAL 7045 Mid Cool Grey



RAL 9011 Black

Colour options available *

Sonatex Wood Prints *

High NRC finish

(Roto gravure print on Sonatex, not to scale)

Wood print RAL 1013

Wood print RAL 1001 (TON 1127)

Wood print RAL 8019

Low Pressure Laminates

Woodlook *

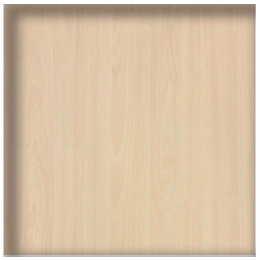
Reduced NRC performance unless perforated

LPL Kopenhagen

LPL Bleached Maple

LPL Tasmanian Oak

LPL Walnut



LPL Blond Maple

Contact Asona for samples:
Email: info@asona.co.nz
Phone: +64 (0) 9 525 6575

* Asona Sonatex is colour matched to the RAL Classic K7 range colours standard. The colour accuracy of this swatch card is dependent on your viewing screen and/or printer used. Digital print designs and custom colours are available to order, minimum quantity and lead times apply.

ISO 9001:2015 Registered Firm No. NZ1014
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Ref. Finishes-25.11

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