triton sports cloud™

IMPACT RESISTANT ACOUSTIC CEILING SYSTEM

TECHNICAL DATA SHEET BPIR - CLASS 1

Acoustic Ceiling and Wall Solutions

triton sports cloud™

Impact Resistant Acoustic Ceiling System - NRC 0.85

Technical Data Sheet - BPIR Class 1

Triton Sports Cloud™ is a ball impact resistant high sound absorbing and thermal insulating acoustic ceiling system. Panels feature a smooth, high density glass fabric facing, reinforced aluminium foil backing and steel framed edges. The system is designed to control noise reverberation in areas subject to impact, knocks and bumps.

Application

Triton Sports Cloud™ is ideal for gymnasiums and multi use halls to control reverberation and background noise.

Composition

Manufactured in NZ from 96 kg/m³ bio-soluble glass fibre board, smooth high density glass fabric facing, aluminium foil backing.

Features & Benefits

- Steel framed impact resistant construction, resists damage from bumps and knocks. Chip, crack and puncture resistant facing.
- High sound absorption, ideal for large volume spaces.
- ∂W 0.90, NRC 0.85
- **Ministry of Education DQLS V3.1 2024 compliant solution.**
- Fire material group # 1-S.
- Light weight system at 4.5 kg/m² reduces load on the structure and is ideal for seismic prone areas.
- R1.35 thermal insulation, foil back to reflect radiant energy.
- Made in NZ, short lead times including replacement parts.
- Packaging take back and reuse scheme available (NZ only).
- Product stewardship Renew and Reuse program (NZ only).
- Global GreenTag Certified / Level A,
- Durable and dimensionally stable in high humidity.
- Panels are available for wall acoustic treatment above 2.4m.

ISO 9001:2015 Registered Firm No. NZ1014
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*All dimensions are nominal. We reserve the right to change specifications.
Ref. Triton Sports Cloud-26.09

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Technical Specifications:

Item #	Size (nominal)*	Edge
TSC40.0612	40 x 600 x 1200 mm	Square
TSC40.0624	40 x 600 x 2400 mm	Square
TSC40.1010	40 x 1000 x 1000 mm	Square
TSC40.1024	40 x 1000 x 2400 mm	Square

Special size to order, up to 1000 x 2400 for walls, consult Asona

Sound Absorbtion Rating:
Test report T2411-14: αW 0.90; Class A per ISO 354 E-200; NRC 0.85 per ASTM C423:

Hz	125	250	500	1000	2000	4000
αp E200	0.41	0.64	0.86	0.97	0.99	0.95

Colour:
White, other colours to order, consult Asona.

Environmental Impact:
Global GreenTag Certified, Level A, low VOC <0.005 Mg/M²/hr per ASTM D5116.
Packaging return, panel renew and reuse programs (NZ only).

Light Reflectance Value:
83% per BS8493:2008, White.

Limitations:
- For interior use only, and not in direct contact with water.
- Maximum humidity/temperature 99% R/H at 45°C.
- Back loading max. 1.5kg/m², point loads to be independently supported.
- Wall applications to be above 2.4m.

Maintenance:
Clean with vacuum or soft brush. Re-surfacing of soiled 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 panels 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 Sports Cloud 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, Group1).

Service Panel Protection:
Panels are available with removable protective foil covering to help keep panels clean during installation.

Packaging Take Back Scheme:
Flat pack cartons on site and return to Asona for reuse (NZ only).

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

Thermal Resistance:
R 1.35 m²°C/W

Tolerances:
Panel size +/- 1.5 mm

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

Weight:
Panel: 4.5 kg/m²

Installation:
Shall not commence until the building is watertight and dry. This product is designed to be mounted as direct fixed with tabbed flat plates or attached to a Rondo Keylock suspended ceiling subframe system with solid hangers to prevent uplift in the event of impact. May be used for high-level walls above 2.4m. Care shall be taken when handling panels to avoid damage.

Specification:
Ceiling system shall be Asona Triton Sports Cloud™ impact resistant acoustic ceiling panels as manufactured by Asona Ltd Auckland NZ Tel: +64(0)9 525 6575 info@asona.co.nz. Panels shall be finished with high density glass fibre reinforced facing and scrim reinforced aluminium foil backing. Ceiling panels shall be mounted (direct fixed with flat tabs) (Rondo Keylock grid system fixed to structure with solid hangers at 1200 mm centres). Wall panels shall be positioned above 2.4m. Selected panel shall be item # (_), size 40 x (_) x (_)mm, sound absorption NRC 0.85, αW 0.90, thermal insulation R1.35, Fire Group: 1-S, 1, colour white (_). (Supply service panels with temporary protective removable 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 (NZ only). (Asona ceiling Masterspec 5172AA specification available).

NEW ZEALAND MADE

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