

Triton 40 Sports™ Ceiling -NRC 0.95

Impact Resistant Acoustic Ceiling System

Technical Data sheet



asona

Description.

Triton 40 Sports™ is a impact resistant high sound absorbing and insulating glass fibre acoustic ceiling with scuff resistant woven glass fabric facing, reflective aluminium foil backing and supported within a heavy duty DXW T38 wide faced grid system with proprietary CLW95 hold down clips. The system is designed to control reverberation times in areas subject to impact, knocks and bumps.

Application.

Triton 40 Sports™ is ideal for use in classrooms, gymnasiums, halls, corridors etc to control reverberation and background noise levels.

Composition.

Manufactured in NZ from 96 kg/m³ bio-soluble glass fibre board laminated with woven glass fibre fabric facing and back laminated with a low emissivity aluminium foil backing. T38 suspension grid and hold down clips from galvanised steel.

Benefits.

- Impact resistant construction, resists damage from bumps and knocks. Chip, crack and puncture resistant facing.
- Wide faced heavy duty DXW T38 suspension grid system with proprietary CLW95-40 hold down clips at 300mm centres to secure panels during impact.
- High sound absorption, ideal for large volume spaces. NRC 0.95 for control of reverberation.
- Glass fiber core with aluminium foil backing insulates and reflect radiant heat energy and is a barrier to condensation
- Light weight, easy to install, dimensionally stable in high humidity
- Custom cut to size panels available to order.
- Contains 80% recycled post consumer glass waste
- Made in NZ, short lead times vs. imports.
- Low formaldehyde VOC material

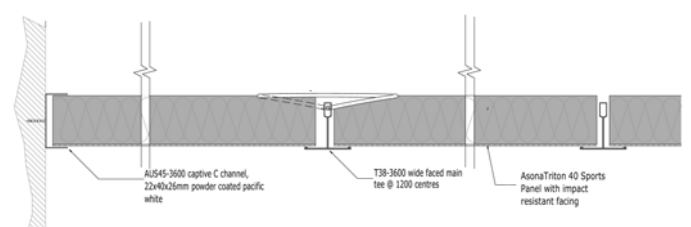
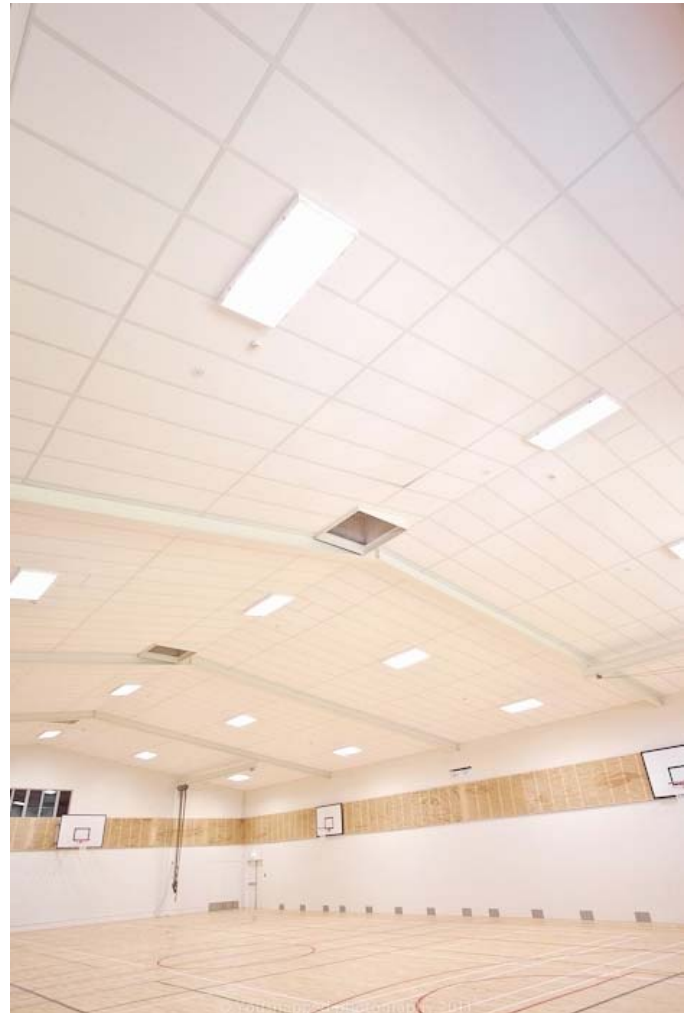
Technical Specifications

Item #	Size (nominal) *	Edge
TS40.0612	40 x 600 x 1200 mm	A / Square
TS40.0624	40 x 600 x 2400 mm	A / Square
TS40.1212	40 x 1200 x 1200 mm	A / Square

Sound Absorption Rating:

Test report T1008-2: α_W 1.00; Class A per ISO 354 E-200; NRC 0.95 per ASTM C423; T1008-16 α_W 0.85; Class B per ISO 354 A mount; NRC 0.90 per ASTM C423

Hz	125	250	500	1000	2000	4000
α_p E200	0.65	0.90	1.00	0.95	1.00	0.95
α_p A	0.15	0.55	0.95	1.00	1.00	0.90



Technical Specifications

Back loading:

Max. 1.5 kg/m², point loads shall be independently supported.

Colour:

White

Environmental impact:

From 80% recycled local content, low embodied energy, product and packaging can be recycled in NZ.
Low VOC <0.002 Mg/M²/hr per ASTM D5116

Fire Reaction:

Material group number: 1S (highest rating) C/VM2 / ISO 5660.1. Suitable for fire exit way and all other sprinklered & non sprinklered buildings.

Humidity:

Max 95% R/H at 45°C.

Light reflectance:

ASTM C1477 LR-1, >75% White

Maintenance:

Clean with vacuum or soft brush. Re-surfacing of soiled panels available, consult Asona.

NZ Building Code:

Clause B2—durability, 5 years

Thermal Resistance:

R 1.35 m²°C/W

Weight:

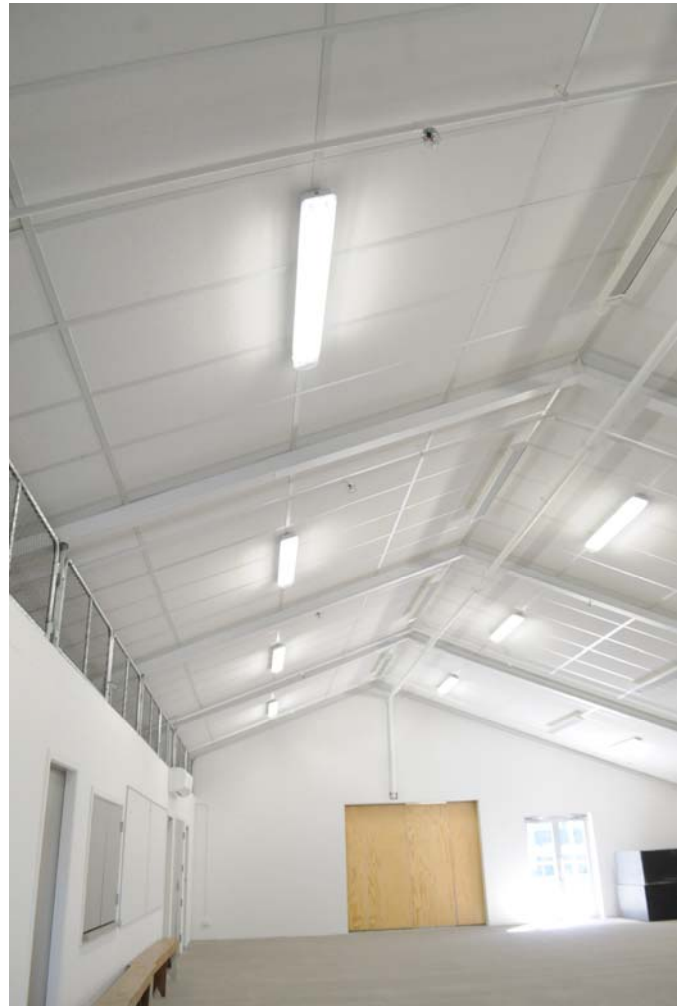
4.1 kg/m²

Installation:

Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use CLW95-40 hold down brackets to secure panels against uplift from ball impact. It is recommended that air grilles be installed in the ceiling to balance air pressure differentials. Do not use in ceilings with negative air return plenums.

Specification:

Acoustic panel shall be Triton 40 Sports™ high density glass fibre acoustical ceiling / wall panel with woven glass fibre reinforced facing. Ceiling panels shall be mounted on DXW T38 wide faced exposed grid system fixed to structure with SB3600 solid hangers at 1200 mm centres and CLW95-40 panel retaining clips at 300 mm centres. Manufactured and supplied by Asona Ltd Tel: 09 525 6575 Fax: 09 525 6579, # (), module () x ()mm, 40 mm thick, sound absorption, α_w 1.00, NRC 0.95, thermal insulation R1.35, fire group: 1S, colour white.



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