

Triton Pool™ Panel - NRC 1.00

High Sound Absorbing Ceiling Panel for Swimming Pools.

Technical Data sheet



asona

Description.

Triton Pool™ panels are a proprietary edge wrapped 50 mm thick, high sound absorbing acoustical panel designed for high level swimming pool ceilings. The back of the panel is laminated with an impermeable foil, edges reinforced with a concealed aluminium frame then laminated and edge wrapped in water repellent Sonatex glass mat acoustic facing.

Application.

Triton Pool™ panels designed for pool environments and are to be mounted to allow free movement of conditioned air between and behind the panels to reduce the risk of interstitial condensation.

Composition.

Manufactured in NZ, from bio-soluble glass fibre core, aluminium framed, wrapped in 2 ply Sonatex™ glass mat composite finish sprayed with water repellent and with a foil backer.

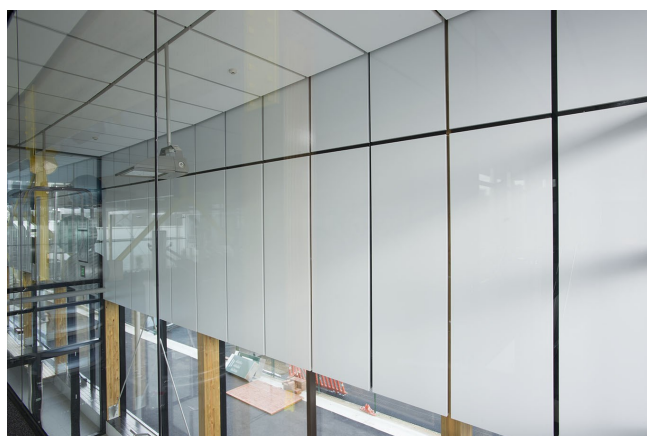
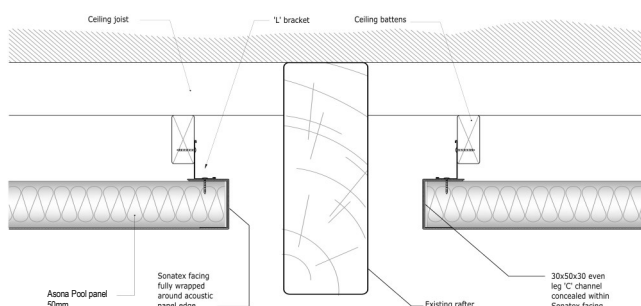
Benefits.

- Glass fibre core provides very high sound absorption, NRC 1.00, ISO 11654 class A, α_W 1.0.
- Clean wrapped edges with concealed framing eliminates the unsightly edge framing common with other panels.
- High light reflectance in standard white, colours available.
- Available in standard or custom sizes.
- Large modules available up to 1200 mm x 3000 mm.
- Fire Group 1-S.
- Concealed aluminium frames for strength.
- Dimensionally stable in high humidity.
- Made in NZ, low embodied energy, 80% recycled content.
- Designed specifically for swimming pool environments.
- Water repellent surface.
- GreenTag certified / Level A.
- Packaging take back and reuse scheme (NZ only).
- ISO 9001 registered quality management program.

Technical Specifications

Sound Absorption Rating: ISO 354 E-200 α_W 1.0; NRC 1.00 per ASTM C423 Test reports T0601-2, T0601-5						
Hz	125	250	500	1000	2000	4000
α_p E200	0.70	1.00	1.00	1.00	1.00	0.95
α_p A	0.25	0.85	1.00	1.00	0.95	0.90

Fixing Option



Technical Specifications

Sizes:

Thickness: 50mm

Width: 600, 900, 1000, 1200 mm

Length: 600, 900, 1000, 1200, 2000, 2400, 2700, 3000 mm

Other sizes to order, please consult Asona Ltd.

Back loading:

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

Colour:

White, other colours available, consult Asona.

Environmental impact:

From 80% recycled local content, low embodied energy, damaged or soiled panels can be reused/ resurfaced with new acoustic facing to reduce construction waste and costs. Low VOC.

Fire Reaction:

NZBC verification method C/VM2 material group number: 1-S
NCC BCA C1.10 clause 4, spec A2.4 clause 4. Group 1.

Humidity:

Max 99% R/H at 45°C. Face not designed for direct contact with water. Control humidity to prevent condensation.

Light Reflectance Value:

85% per BS8493:2008, White, others subject to colour.

NZ Building Code:

Clause B2—durability, 5 years.

Maintenance:

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

Thermal Resistance:

R 1.47 m²°C/W

Warranty:

15 year limited warranty against manufacturing defects.

Weight:

3 kg/m²

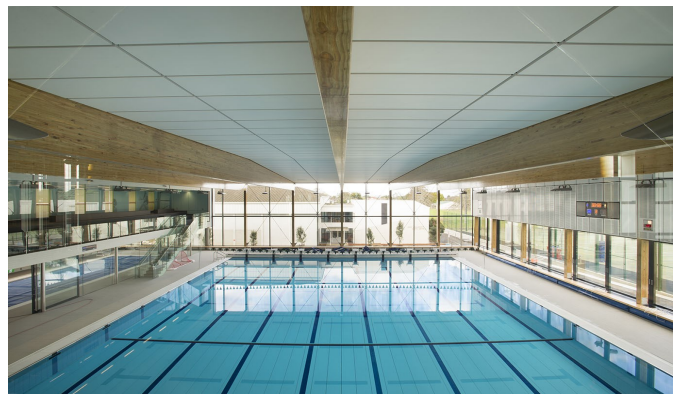
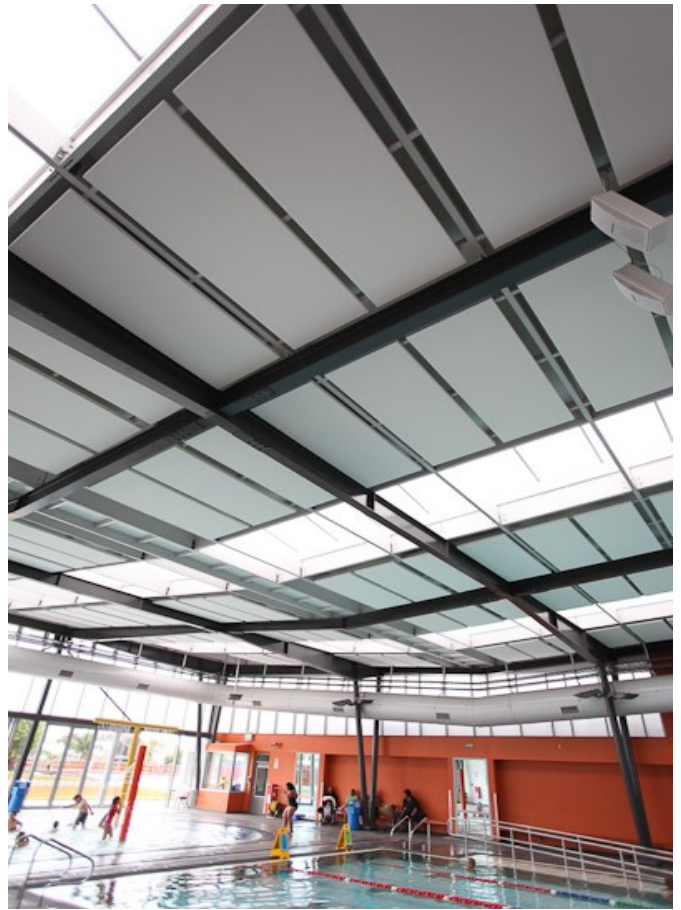
Installation:

Shall not commence until the building is water tight and dry. Light/mechanical fittings shall be independently supported between panels. Mount panels on direct fix brackets at centres to suit span (max 2400mm). To maintain free air movement around panels maintain a minimum 50mm gap between and behind panels.

Sub-trades not to use panels for support. Panels shall be installed in areas free of direct contact with water or water vapour including but not limited to condensation, leaking pipes and/or ducts or steam which can lead to staining.

Specification:

Acoustical treatment shall be Triton Pool™ panel from a glass fibre core, concealed aluminium frame with reinforced edges, wrapped in Sonatex glass mat laminate with water repellent coating to face and edges, metalized polyester foil backing, as manufactured by Asona Ltd tel: 09 525 6575, item # (), module () x ()mm x 50mm thick, sound absorption Class A, αW 1.0, NRC 1.00, Fire Group: 1-S, colour (white) (other). Mount panels to structure via proprietary (anodized) (powder coated) aluminium direct-fix brackets. Contractor shall register the ceiling with Asona on practical completion. (Asona ceiling Masterspec 5172AA specification available.)



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ISO 9001:2015 Registered Firm No. NZ1014

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