

Asona Triton Pool Panel moisture resistant cloud panel

Product Technical Statement: 106601



Triton Pool™ a high sound absorbing acoustic cloud panel designed for swimming pools
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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Asona Triton Pool Panel confirms that this minimum level of assurance has been met or exceeded by the following:

BRANZ

[Test Report - FH18362-1-50-2](#)



The following information has been provided by Asona Triton Pool Panel demonstrating how this product complies with the [Building Product Information Requirements](#).



Technical Statement

Product Class

CLASS 1

Product Description

Triton Cloud Pool™ panel is a proprietary high sound absorbing acoustic panel designed specifically for swimming pool ceilings and high-up wall applications. The panels have an acoustic core with a concealed aluminium frame and is faced & edge wrapped in Sonatex™ glass mat composite finish which has been treated with a silicone water repellent spray. The panels are also foil membrane backed for resistance against condensation and moisture.

Scope of use

Triton Pool Panel™ is designed as a free floating acoustic ceiling panel or as a direct fixed ceiling & wall panel. Specifically designed for swimming pools and other moisture laden environments.

Triton Pool™ panels are designed for pool environments as an open system with no concealed or enclosed cavity behind the panels for buildings with managed ventilation. The intent is to allow conditioned air to circulate around the panels which will help to reduce the risk of condensation. To maintain free air movement around panels maintain a minimum 50mm gap between and behind panels.

- For interior use only.
- Face not designed for direct contact with water.
- Maximum humidity/temperature 95% R/H at 45°C. It is recommended to control humidity to 70% RH maximum to prevent condensation forming.
- Back loading — No overlay loads, M&E services and point loads to be independently supported.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(c)

Clause B2.3.1 (c) (i): 5 years if building elements are easy to access and replace.

Asona Triton Pool 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.

- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(a)

C3 Fire – Clause C/AS2 3.4(a):

Asona Triton Pool Panels have a Fire Material Group Number 2-S by NZBC verification method C/VM2 Appendix A, tested in accordance with ISO 5660 or ISO 9705.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

B2 Durability and C3 Early Reaction to Fire

Supporting Evidence

masterspec partner

Company Contact Details

asona

Company: Asona Limited
Physical Address: 6 Mahunga Drive
Mangere Bridge
AUCKLAND
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The product has and can make available the following additional evidence to support the above statements:



BRANZ

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Use in Service History

Auckland - St Cuthberts, Franklin Pool, Otahuhu Recreational Precinct, MLC Botany

Christchurch - QE II Park & Recreation Centre, Norman Kirk Memorial Pool Lyttelton,

Queenstown - Alpine Aqualand

Product Criteria

Design requirements

Triton Pool Panel™ is a proprietary high sound absorbing acoustic panel designed specifically for swimming pool ceilings and high-up wall applications. The panels can be installed as free-floating "clouds", or direct fixed with proprietary brackets specific for pool environments.

Installation requirements

Shall not commence until the building is water tight and dry. Light/mechanical fittings shall be independently supported between panels. Mount panels on 50mm 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.

Refer to the Triton Pool Panel Installation Manual for full details and other options.

Maintenance requirements

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

Warrantees

15 year limited warranty against manufacturing defects.

Company Product Information

Environmental

Asona Triton range

- Global Green Tag - Level A
- NZ manufactured / very low embodied energy materials, superior to imported competitor alternatives.
- Manufactured locally vs. imported
- Lower freight energy costs vs. imports
- Contain 85% recycled NZ glass waste vs. imported waste
- Packaging is from local recycled material and is reused where possible.
- High insulation ratings help conserve heating and cooling energy costs over the life of the building.
- Provides local employment in manufacture and distribution.

We offer our clients the service to renovate and recycle old, soiled or lightly damaged panels with new decorative and acoustic laminates (on site or at the factory) , thereby extending their service life instead of consigning them to landfill or the cost of total replacement. The objective is to extend product life cycle, lower maintenance costs, reduce wastage to land fill and to lower the environmental impact of acoustical finishes. For more information please contact Asona Ltd.

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made



GreenTag Certified Level A

AWCI

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Asona Limited

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Product Technical Statement: 106601



Business Email:

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Company Website:

www.asona.co.nz

Contact Number/s:

+64 09 -5256575

Product Identifier

MULTIPLE OPTIONS. PLEASE CONTACT ASONA.

Warnings

This product has no warnings associated with it.



Date last validated: **14 January 2025**



Date last updated: **14 January 2025**

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