

# Triton Pool Panel™ - NRC 1.00



Edge wrapped, water repellent floating ceiling panel for swimming pools.

ASONO

## Technical Data sheet

### Description.

Triton Pool Panel™ is a proprietary edge wrapped 50 mm thick high sound absorbing acoustical panel. Faced with Sonatex glass mat acoustic facing which is sprayed with silicone water repellent. The panel is foil backed with a concealed aluminium edge frame.

### Application.

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

### Composition.

Manufactured 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.

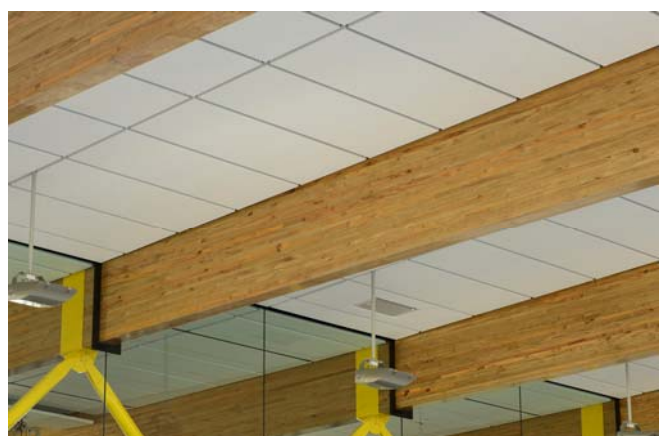
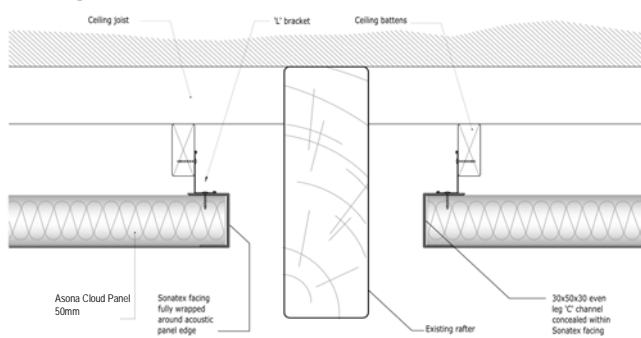
- Glass fibre core provides very high sound absorption, NRC 1.00, ISO 11654 class A,  $\alpha_W$  1.0.
- Clean wrapped edges with concealed framing eliminates the unsightly edge framing common with other panels .
- High light reflectance in standard white, colours available
- Available in standard or custom sizes.
- Concealed aluminium frames for strength.
- Dimensionally stable in high humidity.
- Low embodied energy, 80% recycled content
- Designed specifically for swimming pool environments.
- Water repellent surface.



## Technical Specifications

Sound Absorption Rating:						
ISO 354 E-200 $\alpha_W$ 1.0; NRC 1.00 per ASTM C423						
Test reports T0601-2, T0601-5						
Hz	125	250	500	1000	2000	4000
$\alpha_p$ E200	0.70	1.00	1.00	1.00	1.00	0.95
$\alpha_p$ A50	0.25	0.85	1.00	1.00	0.95	0.90

## Fixing Option



## Technical Specifications

### Sizes:

Thickness: 50mm  
Width: 600, 900, 1000mm  
Length: 600, 900, 1000, 1200, 2000, 2400, 2700, 3000 mm  
Other sizes to order, please consult Asona.

### Back loading:

Max. 1.5 kg/m<sup>2</sup>, point loads shall be independently supported.

### Colour:

White, Grey(RAL7040), Black(RAL9011), Other colours to order.

### 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:

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

### Light reflectance:

ASTM C1477 LR-1, >75% White

### 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.

### Service Panels:

Available with protective plastic film covering which will help keep panels cleaning during installation of M/E services.

### Thermal Resistance:

R 1.47 m<sup>2</sup>°C/W

### Weight:

3 kg/m<sup>2</sup>

### Installation:

Shall not commence until the building is water tight and dry. Light/mechanical fittings shall be independently supported, place mounting board at rear of panel to support fixtures. Mount panels on hanger wire or direct fix brackets @ 1200 centres. Sub-trades not to use panels for support.

### Specification:

Acoustical treatment shall be Triton Pool Panel from a glass fibre core, (reinforced edges) or (frameless) wrapped in (2 ply Sonatex glass mat composite)(1963 White woven glass fabric)(Fabric) finish to face and edges as manufactured by Asona Ltd tel: 09 525 6575, item # ( ) , module ( ) x ( )mm, (40)(50)(75)(100) mm thick, sound absorption Class A,  $\alpha_w$  1.0, NRC 1.00, thermal insulation R1.47, fire group: 1S, colour (white)(RAL7040 grey)(RAL9011 black)(1963 textured white)(fabric)(other). Mount panels to structure via (suspension wire), (direct fix brackets) fixings @ 1200mm centres. Supply service panels with protective strippable plastic film facing.



Supplied by:

**Asona**  
Tel: 1800 240 361  
info@asona.com.au  
www.asona.com.au

Factory:  
Building 14, 7 Cain Road  
Penrose, Auckland, New Zealand  
Tel: +64(9) 525 6575

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Ref. Triton Pool Panel-1605AU