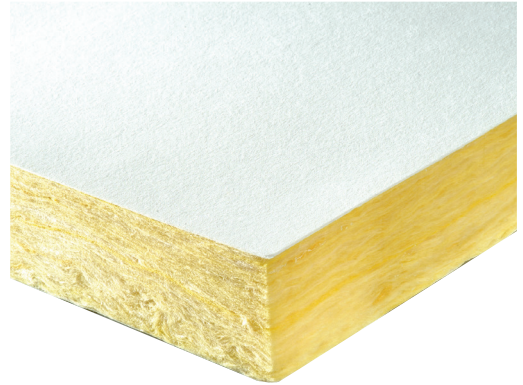


## High Sound Absorbing Ceiling Panel

# TRITON 50™



### Description

Triton 50™ is a made in NZ, high sound absorbing ceiling panel designed to assist in reducing unwanted noise in interior spaces. Triton is available in big panels up to 3000 x 1200 mm and in a wide range of decorative Sonatex™ acoustic laminates from plain matte white, black, greys, colours, prints and perforated laminates.

### Features and Benefits

- 50mm thick panel provides superior sound absorption at low to high frequencies compared to thinner absorbers
- Large panels available (1200 x 2400/3000mm) for a cleaner look with fewer panel joins compared to standard 600 x 1200 tiles. Ideal as a high sound absorbing solution over plaster board linings
- Available in a broad range of decorative acoustic laminate finishes to better match your interior design scheme
- Panels available with strippable foil to protect decorative finish during the construction phase
- Cut to size panels available, tight tolerances
- Green Tag Certified / Level A, low VOC >0.005 mg/m<sup>2</sup>, core contains 80% recycled post consumer waste glass
- R1.5 thermal insulation, light weight, easy to cut and trim
- Dimensionally stable in high humidity. Designed for disassembly and refacing (Renew & recycle service) to extend product life and reduce construction waste

### Sound Absorption Rating

**Sound Absorption Rating:  $\alpha_w$  1.00 - Class A (AS ISO 11654); NRC 1.05 / SAA 1.01 (ASTM C423); Type E-200 mounting (ASTM E795) - University of Auckland Test Report T0601-2**  
 $\alpha_w$  1.00 - Class A; NRC 1.00 / SAA 0.96; Type A mounting - University of Auckland Test Report T0601-5

Hz	125	250	500	1000	2000	4000
ap E200	0.70	1.00	1.00	1.00	1.00	0.95
ap Type A Mount	0.25	0.85	1.00	1.00	0.95	0.90

### Technical Specifications

Item #	Size (nominal) *	Edge
TR50.0612	50 x 600 x 1200mm	A / Square
TR50.1212	50 x 1200 x 1200mm	A / Square
TR50.1218	50 x 1200 x 1800mm	A / Square
TR50.1224	50 x 1200 x 2400mm	A / Square
TR501230	50 x 1200 x 3000mm	A / Square

\* Special order, width 300–1200 mm, length 400–3000 mm

## Applications

Triton 50™ is ideal for suspended ceilings or direct fix over plasterboard linings. Ideal for open offices, halls, classrooms, libraries etc.

## Installation

Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in areas of wind uplift. For suspended ceilings it is recommended that air grilles be installed to balance air

pressure differentials. Not for air return plenums. For walls, fit panels above wainscot height to prevent damage from knocks and bumps. Use DXW T38 wide faced grid for large module panels (1200 x 1800/2400/3000mm)

## Substrate

Manufactured from 48 kg/m<sup>3</sup> resin bonded bio-soluble glass wool laminated with heavy duty 320 gsm Sonatex™ glass matte composite facing. Framing from powder coated or tissue wrapped steel or aluminium.

## Specification

Acoustical treatment shall be Asona Triton 50 high sound absorbing glass fibre panels as supplied by USG Boral, item # ( ), module ( ) x ( )mm, 50 mm thick, sound absorption NRC 1.00, thermal insulation R1.47, fire group: 1S. Decorative finish shall be Sonatex™: Matte White AS180, Mid Grey RAL7040, Light Grey RAL7030, Grey White RAL9002, Wood Wool Print, Plaster Print, Wood Print over RAL1014 Oak, Wood

Print over RAL1013 Blond, Wood Print over RAL8019 Walnut, Zinc Yellow RAL1018, Ivory RAL1014, Graphite Black RAL9011, Traffic Red RAL3020, Orient Red RAL3031, Traffic Orange RAL2009, Traffic Green RAL6032, Aqua RAL602, perforated. Panels shall be install on (DX T24) (DXW wide) suspension system in module to suit panel. Supply service panels with protective strippable METPET film facing.

## Finishes

Sonatex™: White AS180, Mid Grey RAL7040, Light Grey RAL7030, Grey White RAL9002. Wood Wool Print, Plaster Print, Wood Print over RAL1014 Oak, Wood Print over RAL1013 Blond, Wood Print over RAL8019 Walnut, Zinc Yellow RAL1018, Ivory RAL1014, Graphite Black RAL9011, Traffic Red RAL3020, Orient Red RAL3031, Traffic Orange RAL2009, Traffic Green RAL6032, Aqua RAL6027. Special order finishes available, consult USG Boral.

## Product Data

**Humidity:**  
Max 99% RH at 45°C.

**Light Reflectance:**  
ASTM C1477 LR-1, >75%  
White

**Maintenance:**  
Clean with vacuum, soft brush or damp cloth.

**Warranty Period:**  
5 years

### Fire Reaction

Standard	Flame Spread	Smoke Developed
ASTM E84	<25	<50
AS/NZS 3837	Group Number Classification: 1 unsprinklered	
ISO 5660 Parts 1 & 2	Group Number Classification: 1 - S	

**Weight:**  
2.7kg m<sup>2</sup>

**Thermal Resistance:**  
R = 147 m<sup>2</sup>K/W

**Accessibility:**  
All panels are demountable and accessible

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

### Service Panels:

Available with protective plastic film covering to help keep panels cleaning during the construction phase.

### Environmental Impact:

Global Green Tag Certified, Class A, from 80% recycled local glass waste, low VOC <0.002 mg m<sup>2</sup> hr per ASTM D5116