

Asona Triton 50™ - NRC 1.00

High Sound Absorbing Ceiling and Wall Panel

Data sheet



asona



Fisher & Paykel call centre Auckland

Description.

Triton 50™ is a made in NZ 50 mm thick ISO class A high sound absorbing glass fibre panel with toughened Sonatex™ glass mat composite facing. Designed to provide excellent sound absorption from low to high frequencies.

Application.

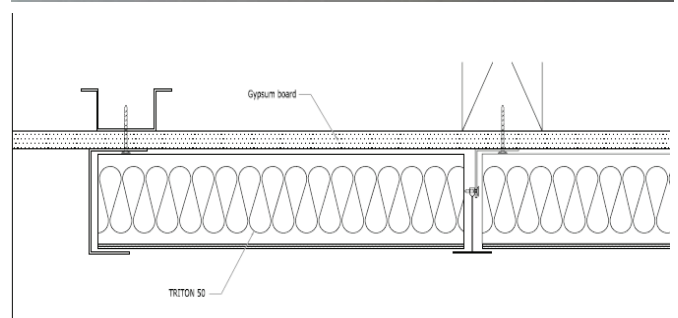
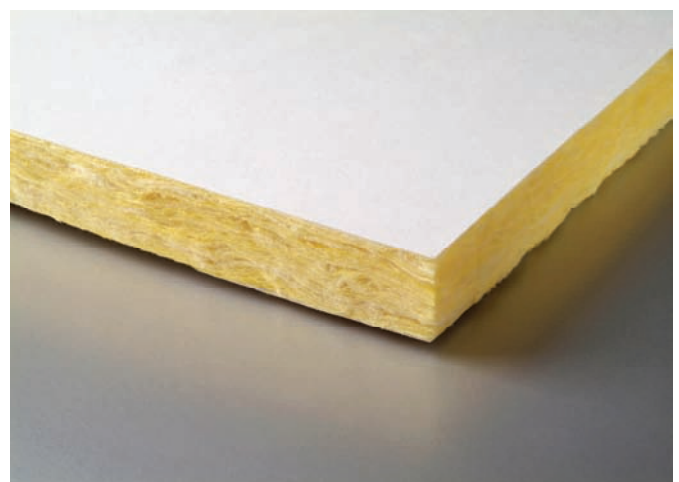
Triton 50™ is ideal for suspended ceilings or direct fix over plasterboard linings to maximise sound absorption. Ideal for call centres, open plan offices, halls, classrooms, libraries etc.

Composition.

Manufactured from 38 kg/m³ resin bonded bio-soluble glass fibre board laminated with a dual layer Sonatex™ glass mat composite facing in mat white or black. Framing from galvanised steel powder coated or tissue faced to match panel.

Benefits.

- 50 mm thick panel for superior sound absorption at low to high frequencies, NRC 1.00, ISO 11654 class A, α_W 1.0
- Mat white Sonatex composite facing provides high light reflectance and a durable finish
- Custom sizes and colours available to order
- Made locally in NZ, short lead times
- Contains 60% recycled local glass waste, low embodied energy and low transport km's compared to imports
- Can be suspended or direct fixed over plasterboard linings to reduce reflections from hard surfaced.
- TFX tissue faced grid matches panel for a monolithic look
- Light weight, easy to install, dimensionally stable.



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Technical Data



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Te Patunga Marae, whare kal, Triton 50, 2400 x 1200 panels direct fixed over plasterboard lining.



The Radio Bureau, Auckland, Triton 50, 2400 x 1200 panels direct fixed over curved plasterboard wall. TFX cover batten

Technical Specifications

Item #	Size (nominal) *	Edge
AC35034A	50 x 600 x 1200 mm	A / Square
AC35044A	50 x 1200 x 1200 mm	A / Square
AC35045A	50 x 1200 x 1800 mm	A / Square
AC35046A	50 x 1200 x 2400 mm	A / Square

* Special order, width 300—1200 mm, length 400—3000 mm

Sound Absorption Rating:

ISO 354 E-200 α_W 1.0; NRC 1.05 per ASTM C423
Test reports T0601-2, T0601-5, standard white or black

Hz	125	250	500	1000	2000	4000
α_p E200	0.70	1.00	1.00	1.00	1.00	0.95
α_p A50	0.25	0.85	1.00	1.00	0.95	0.90

Accessibility:

All panels are demountable and accessible

Back loading:

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

Colour:

White & black as standard, also in Resene paint finish to order

Environmental impact:

From 60% recycled local glass waste, low embodied energy, product and packaging can be recycled in NZ. Consult Asona

Fire Reaction:

AS1530 pt 3. Smoke developed 3, spread of flame 0.

Humidity:

Non hygroscopic, dimensionally stable, resists fungi and stains
Max 99% R/H at 45°C.

Light reflectance:

ASTM C1477 LR-1, >75%

NZ Building Code:

Clause B2—durability, 5 years

Maintenance:

Clean with vacuum, soft brush or damp cloth. Damaged panels can be repaired and renewed, consult Asona.

Patent Pending:

NZP531386

Service Panels:

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

Thermal Resistance:

R 1.47 m²°C/W

Weight:

1.9 kg/m²

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.

For walls fit panels above wainscot height to prevent damage from knocks and bumps.

Specification:

Acoustical treatment shall be Asona Triton 50 high sound absorbing panel as manufactured by Asona Ltd tel: 09 525 6575, item # (), module () x ()mm, 50 mm thick, sound absorption Class A, α_W 1.0, NRC 1.00, thermal insulation R1.47, colour (white)(black)(other), install on proprietary colour/texture matched TFX glass tissue faced suspension system. Supply service panels with protective strippable plastic film facing.

Asona Ltd

P.O Box 96-241 Balmoral,
Auckland, New Zealand
Sales Tel: 021 50 57 40
Email: info@asona.co.nz
Web: www.asona.co.nz

Factory:

5B Monier Place
Mt Wellington
Auckland, New Zealand
Tel: (09) 525 6575
Fax: (09) 525 6579

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