

Triton Fabwall™

Fabric Wrapped High Sound Absorber Panel

Technical Data sheet



SONO

Description.

Triton Fabwall™ is a high sound absorbing fabric wrapped acoustic wall panel designed to provide an attractive finish and control unwanted noise.

Application.

Triton Fabwall 25™ NRC 0.85, for small rooms
 Triton Fabwall 40™ NRC 0.95, best for medium sized rooms.
 Triton Fabwall 50™ NRC 1.00, best for office, school, libraries.
 Triton Fabwall 75™ 100, 150 best for max sound absorption from low to high frequency, large volume spaces.
 Triton Fabwall 100 Bass, designed for low freq. absorption

Composition.

Manufactured in NZ from bio-soluble resin glass fibre absorber with impact resistant Sonatex™ 250 kg/m³ composite interlayer, resin reinforcement and wrapped in a decorative fabric finish.

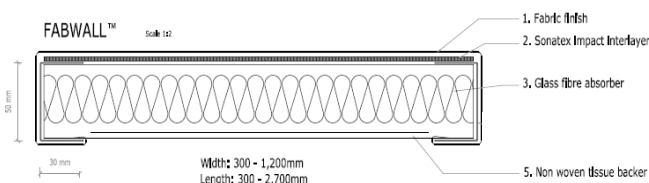
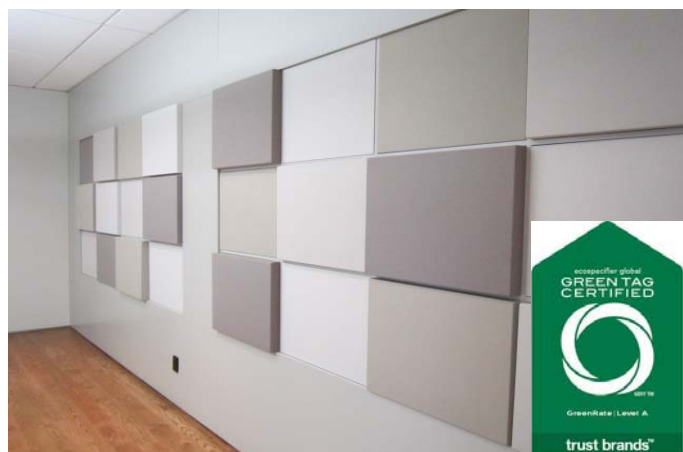
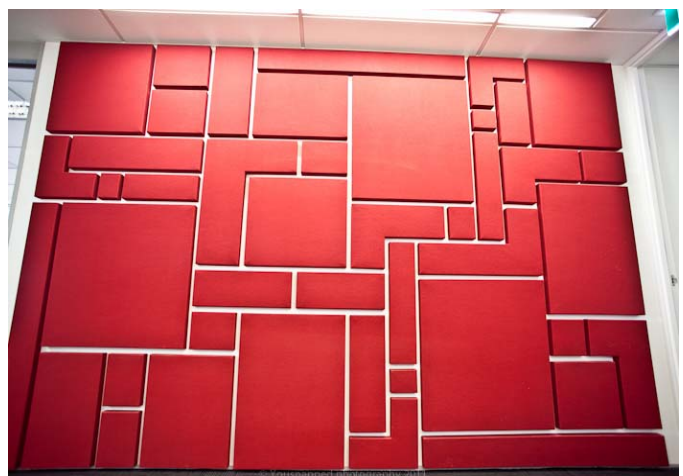
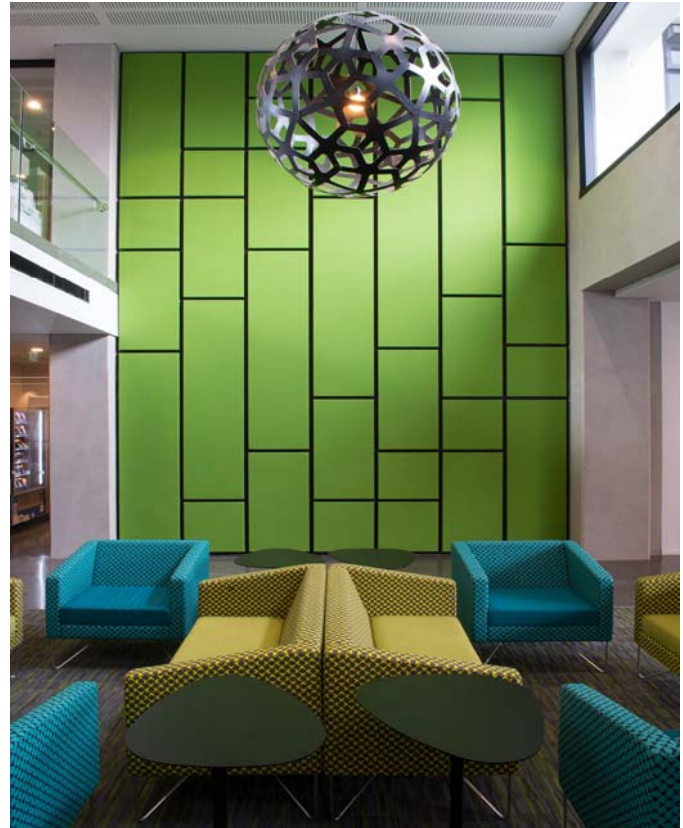
Benefits.

- High sound absorption rating, NRC 0.85 to NRC 1.00.
- Provides a soft decorative finish to interiors.
- Rich pallet of fabric finishes, textures and colours.
- Durable resilient composite construction for long life.
- Pre-fabricated for fast installation on site.
- Standard and custom sizes.
- Fire safe glass fibre core, will not melt and fall off wall in the event of a fire like foam or polyester panels
- *GreenTag certified / Level A (Sonatex, Frameless, Aluminium Edge), Level C (Beehive & Woven Image fabric ranges only).

Technical Specifications

Sound Absorption Ratings: 'A' Mounting per ASTM C423, ISO 354, Test reports T0609-1,2,3,4,5. T0619

Panel	Hz	125	250	500	1000	2000	4000
Fabwall 25	α _p	0.15	0.35	0.85	1.00	1.00	1.00
Fabwall 40	α _p	0.30	0.70	0.90	1.00	1.00	1.00
Fabwall 50	α _p	0.35	0.85	1.00	1.00	1.00	0.95
Fabwall 75	α _p	0.60	1.00	1.00	1.00	1.00	1.00
Fabwall 100	α _p	0.90	1.00	1.00	1.00	1.00	0.90
Fabwall 150	α _p	1.00	1.00	1.00	1.00	1.00	0.85
100 Bass *	α _p	0.90	0.75	0.45	0.25	0.20	0.30



* See restrictions above.

Technical Specifications

Sizes:

Absorber Thickness: 25, 40, 50, 75, 100, 150 mm
Panel Width: 100 to 1200 mm
Panel Length: 100 to 3000mm mm.
Special sizes available to order, consult Asona Ltd

Fabric Finishes:

Standard polyester fabric finish, wool, ecowool, hemp/linen other fabrics available to request. Fabric selection may affect fire & acoustic performance, contact Asona.

Environmental impact:

Core from 80% recycled local glass waste. Product can be renewed. Low VOC. <0.05

Fire Reaction:

Group 2>250m²/kg FH5019 / 450 gsm woven polyester
Group 2S<250m²/kg FH5320-4 / 370 gsm woven wool
Group 1S<250m²/kg FH5329-5 / 120 gsm hemp/linen
Group 1S<250m²/kg FH5020 / 475 gsm woven glass fabric
Fabric selection may affect fire & acoustic performance.
For more information on group 1,1S,2,2S,3 consult Asona.

Humidity:

Panel non hydroscopic, dimensionally stable, Max 90% R/H at 30°C. Refer specified fabric for limiting conditions.

Mounting system:

Proprietary concealed Z bar and exposed panel bracket or glue fix.

Maintenance:

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

Limitations:

Digitally printed images must be either a single image per panel or there must be a negative reveal of 10mm (min) between panels if the image is to transfer across several panels.

NZ Building Code:

Clause B2—durability, 5 years

Weight:

2.5—4.5 kg/m²

Tolerances:

+/-3 mm

Installation:

Triton Fabwall panels are a finishing trade, installation shall not commence until the building is water tight and all work such as plastering, concrete, masonry, carpentry, painting is complete and site free of dust and debris. Not for high impact prone areas, consult Asona for impact resistant acoustic panels options.

Specification:

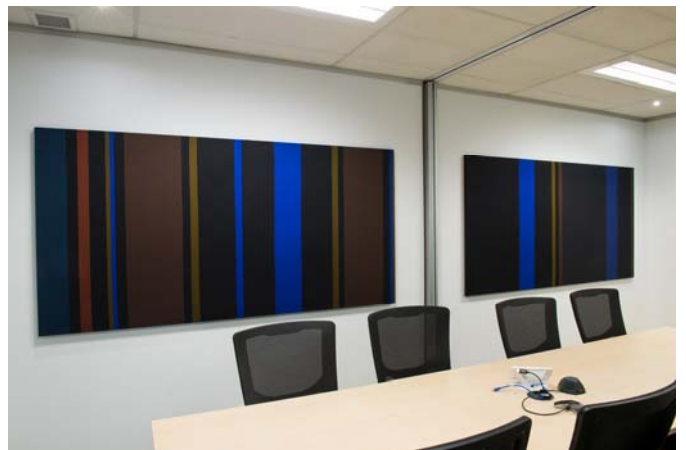
Acoustical wall system shall be Triton Fabwall (25)(40)(50)(75)(100)(150)(100Bass) acoustical panel as manufactured by Asona Ltd Tel: 09 525 6575, Fax: 09 525 6579, email: info@asona.co.nz, module () x ()mm, absorber thickness (25 mm)(40mm)(50 mm)(75 mm)(100 mm)(150 mm), sound absorption NRC (0.85) (0.95)(1.00) Fire group number (3) (2) (2s) (1) (1s). Fabric finish shall be (woven polyester) (wool) (ecowool) (hemp/linen) #colour (glass fabric) covering the face, all edges and a return on the back. Installed with proprietary concealed Z bar and 2 exposed fixing brackets per panel by manufacturers approved fixer.



Triton Fabwall 50



Triton Fabwall 50 and Triton Fabwall Base 150



Triton Fabwall 50

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ISO 9001:2008 Registered Firm No. NZ1014

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