

# Fabwall™



## Fabric Wrapped High Sound Absorber Panel

### Technical Data sheet

asona

#### Description.

Fabwall™ is a made in NZ fabric wrapped high sound absorbing wall panel with pin able surface, reinforced edges and available in a range of thicknesses and decorative fabric finishes.

#### Application.

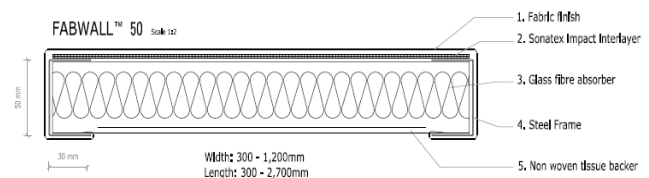
Fabwall 25™ best for small office and meeting rooms  
 Fabwall 50™ best for classrooms, halls, libraries, home theatre  
 Fabwall 75™ 100, 150 best for maximum sound absorption from low to high frequency, recording studios, large volume spaces.  
 Fabwall 100 Bass, designed for low frequency absorption

#### Composition.

Manufactured in NZ from bio-soluble resin bonded glass fibre absorber with impact resistant Sonatex™ 250 kg/m<sup>3</sup> composite facer panel, galvanised steel edge reinforcement and wrapped with a decorative fabric finish.

#### Benefits.

- High sound absorption rating, NRC 0.85 to NRC 1.00 to reduce background noise and reverberation times.
- Provides a soft decorative finish to interiors
- Wide range of standard Charade or other fabric facings
- Durable resilient composite construction for long life
- Pre-fabricated for fast installation on site.



### Technical Specifications

#### Sizes:

Absorber Thickness: 25, 50, 75, 100, 150 mm  
 Panel Width: 600, 1200 mm  
 Panel Length: 600, 1200, 1500, 1800, 2400, 2700, 3000 mm.  
 Special sizes available to order, consult Asona Ltd

Sound Absorption Ratings: 'A' Mounting per ASTM C423, ISO 354, Test reports T0609-1,2,3,4,5. T0619 Charade fabric							
Panel	Hz	125	250	500	1000	2000	4000
Fabwall 25	∂p	0.15	0.35	0.85	1.00	1.00	1.00
Fabwall 50	∂p	0.35	0.85	1.00	1.00	1.00	0.95
Fabwall 75	∂p	0.60	1.00	1.00	1.00	1.00	1.00
Fabwall 100	∂p	0.90	1.00	1.00	1.00	1.00	0.90
Fabwall 150	∂p	1.00	1.00	1.00	1.00	1.00	0.85
100 Bass *	∂p	0.90	0.75	0.45	0.25	0.20	0.30

\*Fabwall 100 bass, low frequency absorber panel  
 Fabric selection may affect sound absorption performance, consult Asona

#### Fabric Finishes:

Standard Charade woven polyester fabric finish, other fabrics available to request or customer supplied fabrics subject to prior approval

#### Environmental impact:

From 30-50% recycled content, low embodied energy, product and packaging can be reused/recycled in NZ.

#### Fire Reaction:

Subject to fabric, standard finish AS1530 pt 3.  
 Smoke developed 5, spread of flame 0.

#### 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

#### Maintenance:

Clean with vacuum or soft brush, consult fabric producer statement for spot removal.

#### NZ Building Code:

Clause B2—durability, 5 years

#### Weight:

2.5—4.5 kg/m<sup>2</sup>

#### Installation:

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 Asona Fabwall (25)(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)(50 mm)(75 mm)(100 mm)(150 mm), sound absorption NRC (0.75) (0.85) (0.95)(1.00) Fabric finish shall be (Charade woven polyester #colour) (other) 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.

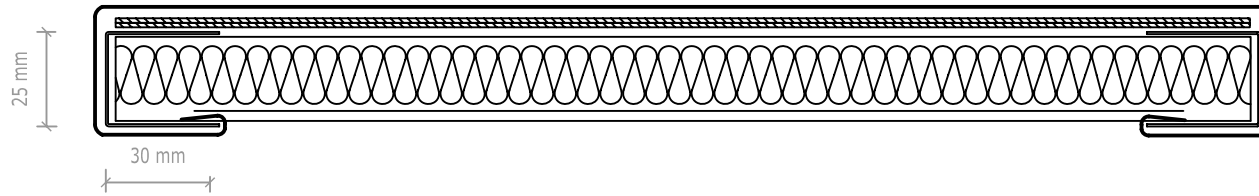
#### Asona Ltd

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

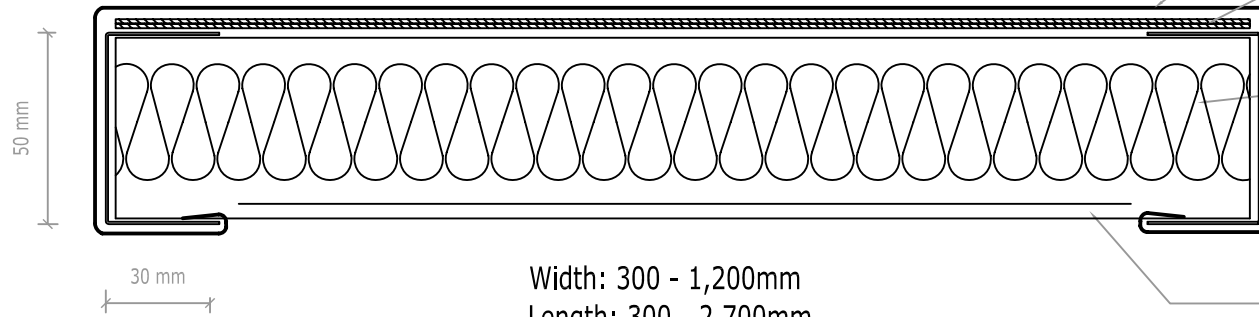
Factory:  
 5B Monier Place  
 Mt Wellington  
 Auckland, New Zealand  
 Tel: 09 525 6575  
 Fax: 09 525 6579

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 Charade is a trade mark of Fabrice Textiles Ltd  
 All dimensions are nominal. We reserve the right to change specifications.  
 Ref. Fabwall 0702

# FABWALL™ 25 Scale 1:2

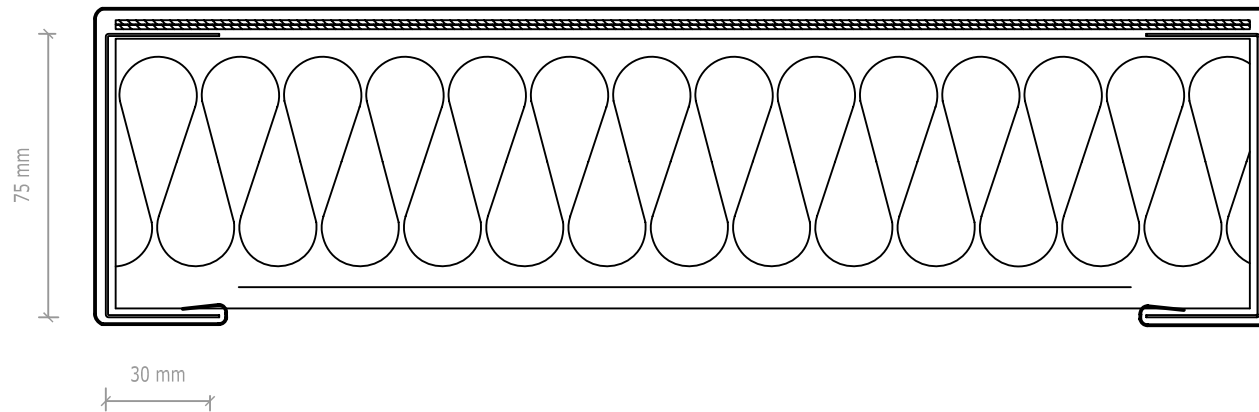


# FABWALL™ 50 Scale 1:2



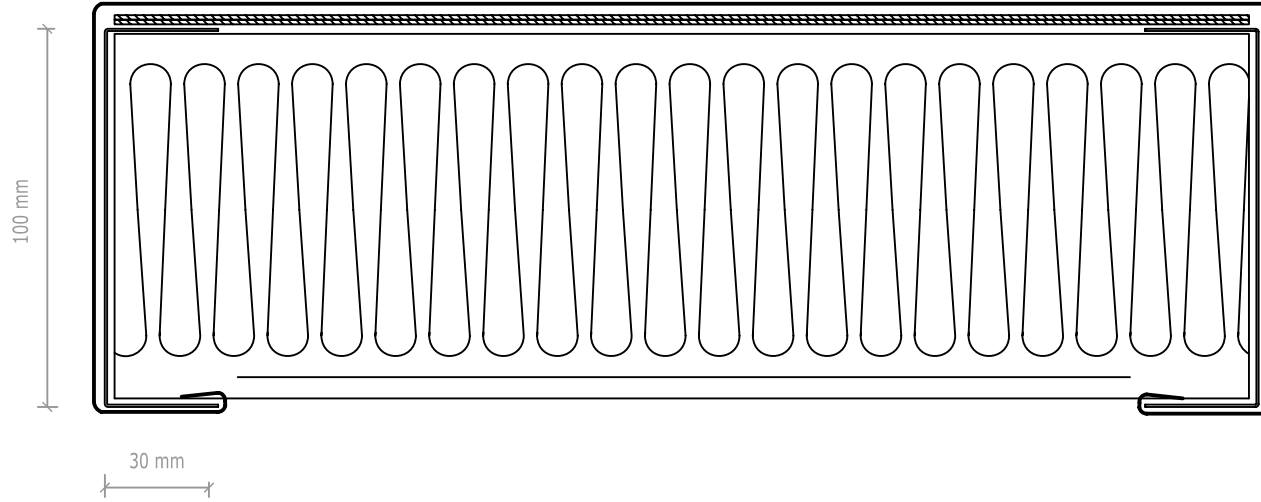
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Length: 300 - 2,700mm

# FABWALL™ 75 Scale 1:2



# FABWALL™ 100

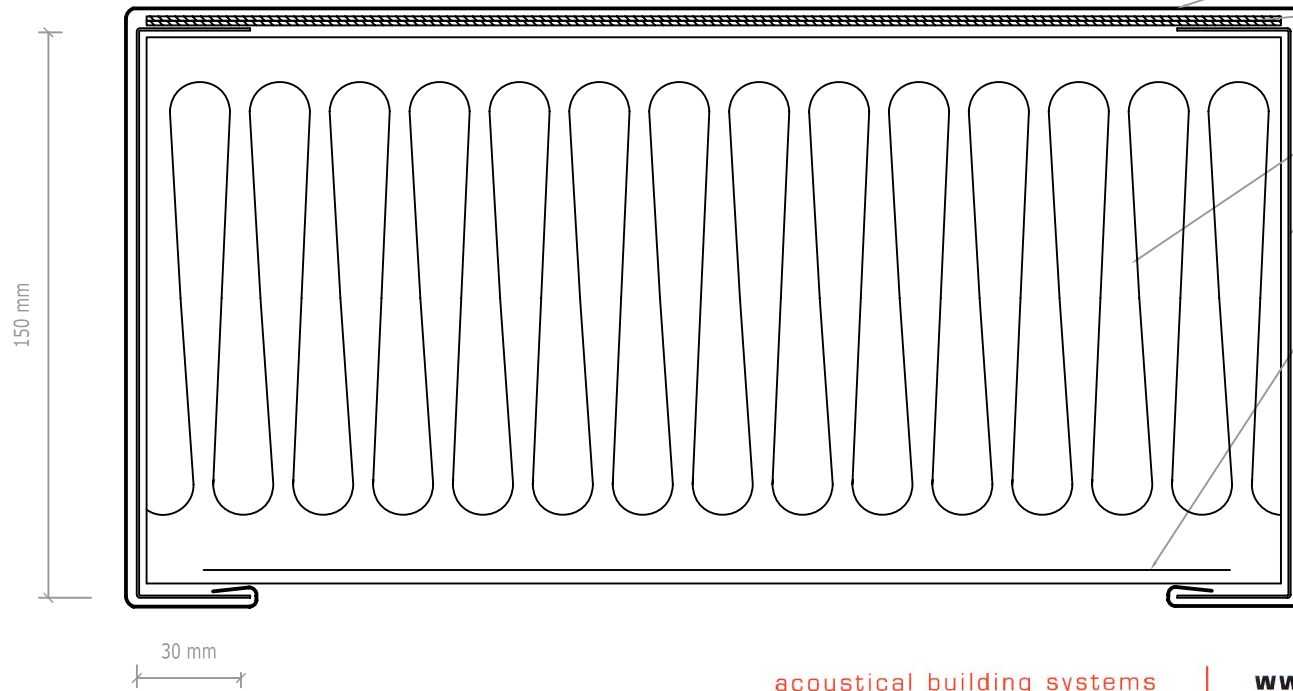
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# FABWALL™ 150

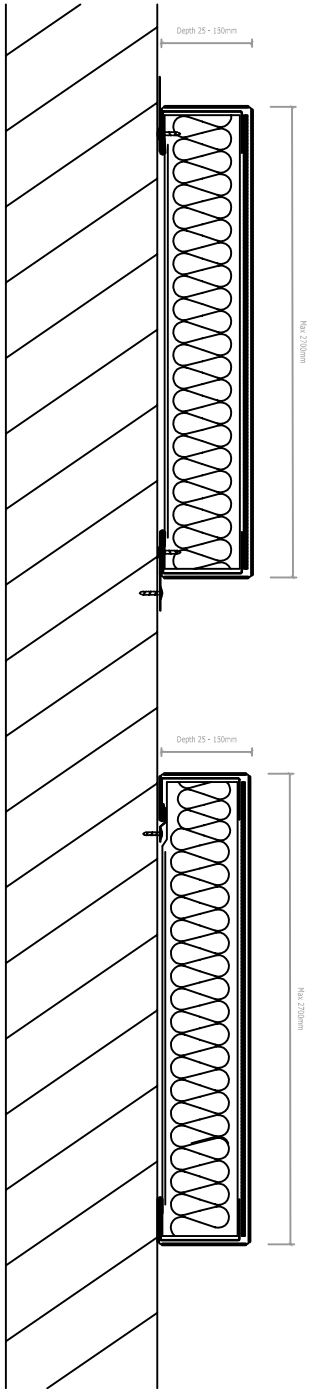
Scale 1:2

Width: 300 - 1,200mm  
Length: 300 - 2,700mm

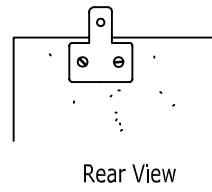
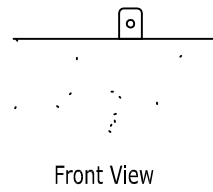
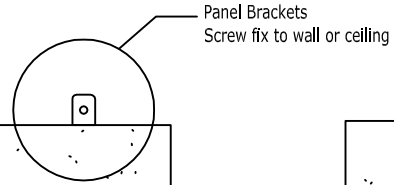
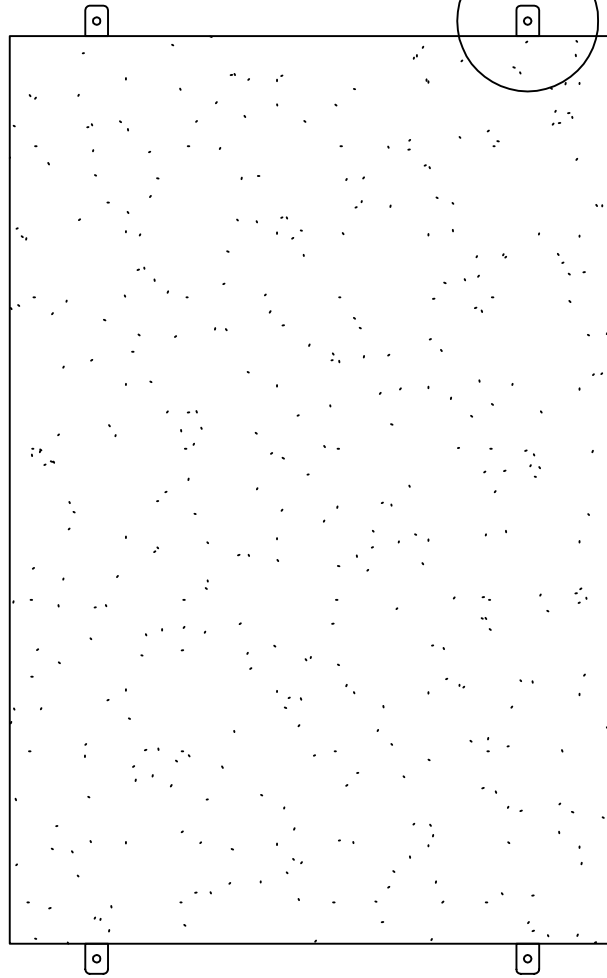


- 1. Fabric finish
- 2. Sonatex composite impact interlayer
- 3. Glass Fibre Absorber
- 4. Steel Frame
- 5. Non woven tissue backer





### Fixing Details Scale 1:5



### Concealed Z Bar Scale 1:5

