

# F/G Absorber



- Consists of a semi-rigid acoustic fibreglass core covered with an acoustic fabric.
- Available in a wide variety of sizes, shapes and fabric colours.
- Simple and very quick to install.
- Suitable for use as a Class C absorber

These sound absorption panels are an efficient, durable, cost effective solution for reducing excessive reverberation in large spaces. They consist of an acoustic fibreglass core with a high quality fabric covering.

They are easy to install, lightweight and can be made in a wide range of custom sizes. Fixing can be with optional impaling clips or adhesive. Units can also be supplied with a wooden frame surround for ceiling or wall mounting. Units can also be custom made with 'Z' clips for easy ceiling application and split battens for easy wall mounting which is ideal if you require them to be removable.

## APPLICATIONS

- Teleconferencing Rooms
- Distance Learning Classrooms
- Houses of Worship
- Theatres and Auditoriums
- Gymnasiums
- Studios

## Standard Unit Construction

- 600 x 600mm x 25mm
- 1200 x 600 x 25mm
- 2400 x 1200 x 25mm
- 6lb. Density Fibreglass
- Flat edges
- Suitable for fixing with impaling clips and adhesive

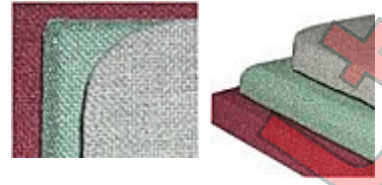
## Product Options (at additional cost)

### Unit Size

- Units can be made with any height up to 2400mm
- Units can be made with any width up to 1200mm
- Units can be made with depths between 25mm and 150mm (in 25mm increments)

## Edge Selection

- Units can be made with either square, rounded, beveled (45° angled edges).



## Fixing Options

- For an additional cost we can supply the panels with secret or 'hidden' split battens fixings (Method 1)
- For an additional cost we can supply the panels with secret or 'hidden' 'Z' bar fixings (Method 2)

## INSTALLATION

### METHOD 1.

For wall mounting a split batten is fixed to the wall. The acoustic panel is offered up to the wall brackets and simply lowered in place. The split batten on the back of the panels allows easy removal as well as providing an additional airspace behind the absorber for improved acoustic absorption.

For flush mounting wall panels the metal 'Z' clip system can be used if specified in advance.

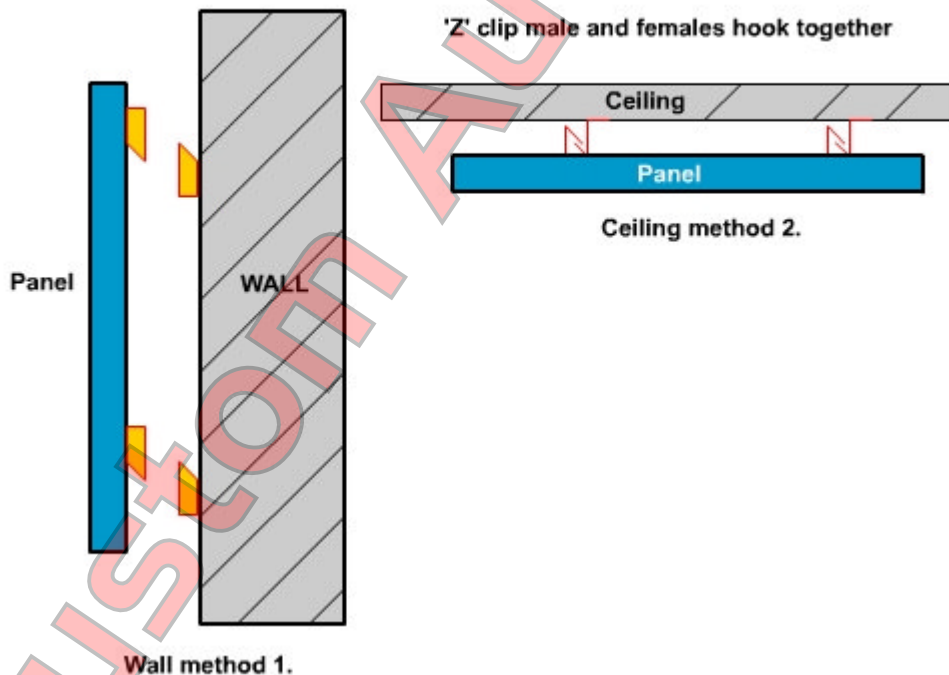
### METHOD 2.

For ceiling mounting the female 'Z' clip is fixed to the ceiling. Again the panel is simply lifted up and dropped down onto the ceiling clip.

### METHOD 3.

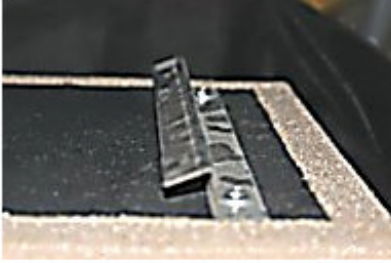
Metal 'impaling' clips are screwed into the wall. Adhesive is applied to the panel and the wall. The panel is then offered up against the wall spikes and fixed in place. This method does not allow easy removal of the panels.

**Panels offered up to the wall battens and dropped on**





Chains for variable height ceiling applications.



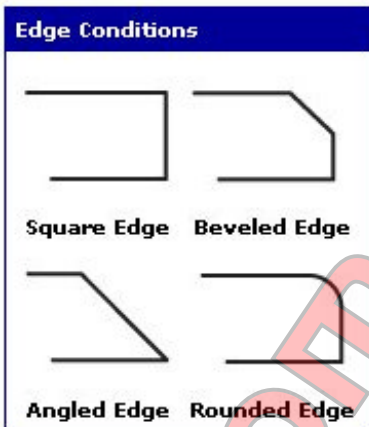
'Z' bars for wall or ceiling applications.



Wooden split battens for wall applications.

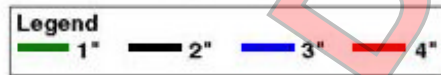
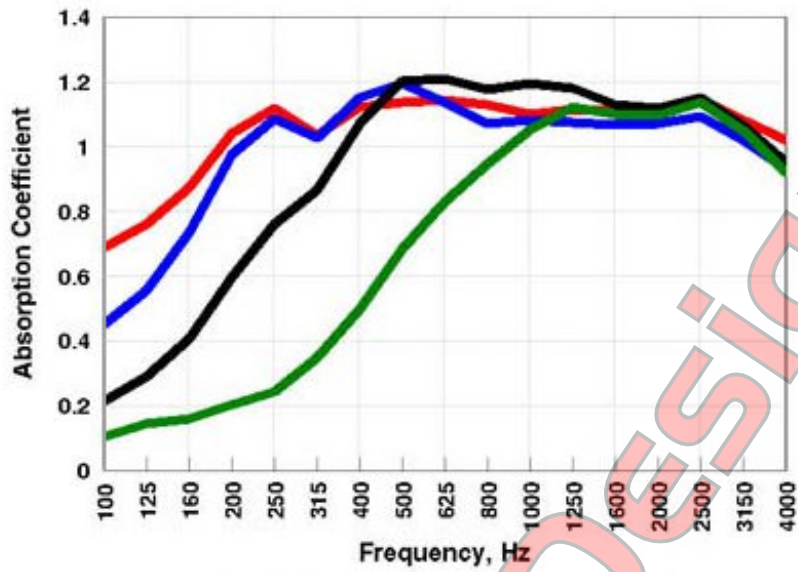


Impaling spikes for wall mounting.



Custom Audio Designs Ltd

## Absorber Absorption Coefficients



Hz	1"	2"	3"	4"
100	0.10	0.21	0.45	0.69
125	0.14	0.29	0.56	0.76
160	0.16	0.41	0.74	0.88
200	0.20	0.60	0.98	1.04
250	0.24	0.76	1.09	1.12
315	0.35	0.87	1.03	1.03
400	0.50	1.07	1.15	1.12
500	0.69	1.20	1.20	1.14
625	0.83	1.21	1.14	1.14
800	0.95	1.18	1.07	1.13
1000	1.05	1.19	1.08	1.10
1250	1.12	1.18	1.07	1.11
1600	1.10	1.13	1.07	1.11
2000	1.10	1.12	1.07	1.09
2500	1.14	1.15	1.09	1.15
3150	1.05	1.06	1.02	1.08
4000	0.92	0.95	0.93	1.02

All information contained in these details is given in good faith but without warranty.  
 Custom Audio Designs reserves the right to alter the specifications of any product without notice.