

# Acoustic Panels



Acoustic wall and ceiling panel solutions.

Our acoustic experts will work with you to find the right solution, from ceiling baffles to decorative yet functional wall panels.

Products | Solutions | Installation

V1.1



## About AWS Acoustic Panels

At AWS Panels, we supply and install acoustic panel solutions for a wide variety of sectors including offices, halls, churches, hotels, restaurants, hospitality and schools. Our team operates throughout London, Essex and the South East.

Our knowledge and experience within the acoustic panels sector allows us to provide the very best acoustic solutions for your environment. Our acoustic experts will work with you from discussing your initial requirements through to completion and handover.







## Suspended Acoustic Panels

Ceiling suspended acoustic panels help to reduce echoes and reverberation.

Ideal for a variety of environments from offices to hospitality, suspended acoustic panels are a practical and effective acoustic solution where wall space is limited. These ceiling suspended panels provide the highest sound absorption rating (CLASS A) and are available in a variety of shapes, colours and fabrics.



### CLEANING

Light marks can be removed using a proprietary carpet spot cleaner.



### FLAME TESTED

The core board has been tested and offers CLASS O and CLASS 1 fabrics.



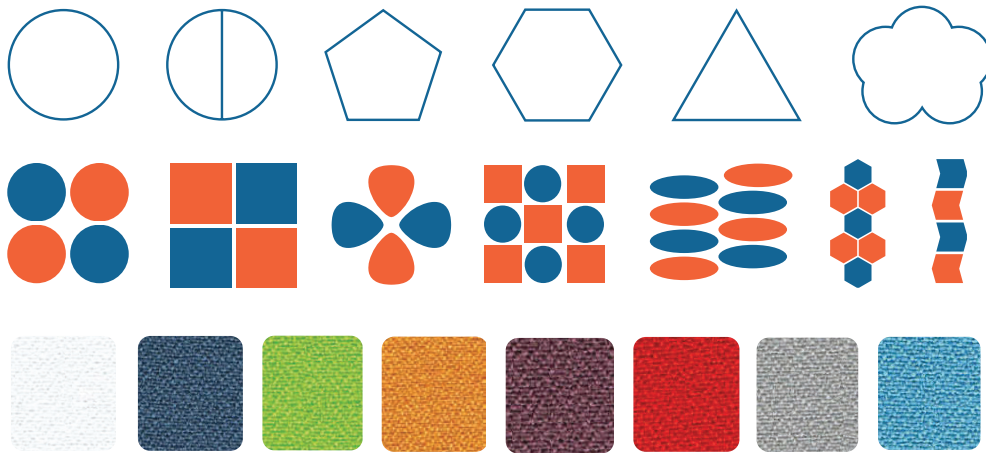
### WEIGHT

Our suspended acoustic ceiling panels weigh in at 4kg/m<sup>2</sup>.



## Shape & Colour Options

Popular shape, colour and panel grouping ideas.



## Acoustic Performance

Our suspended acoustic panels absorb sound from the front and back surfaces.

These acoustic panels achieve the highest performance in sound absorption, making it a CLASS A absorber.

Sound Absorption Coefficient   Suspended Acoustic Panels								
Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption CLASS
Suspended Acoustic Panels	0.50	0.70	0.85	1.00	1.00	1.00	0.90	A

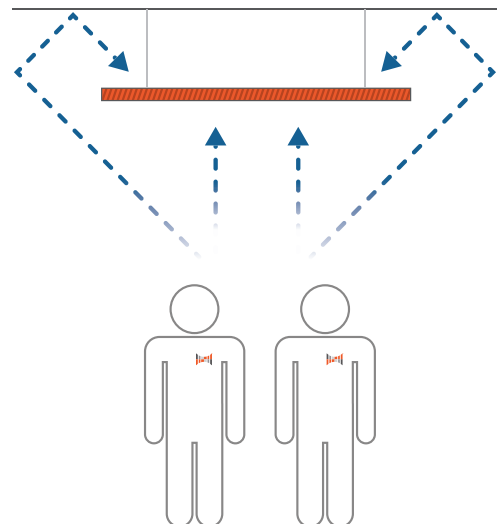
## Installation Process

Fitting your acoustic panels for optimum acoustic results.

Our suspended acoustic panels are easy and quick to install. The panels are suspended from the ceiling by steel cables from the soffit via spiral hooks which are fitted into the acoustic panels.

By manipulating the length of each cable you can also adjust the height of the acoustic panels.

Absorbs sound from the front and back surfaces.  
Dimensional tolerance +/- 5mm.





## Creative Acoustic Panels

Fabric acoustic wall panels that improve acoustics whilst adding a touch of creativity.

Available in an assortment of colours and shapes whilst creating an acoustically pleasing environment. These creative panels provide the highest sound absorption rating (CLASS A) and offer endless design opportunities for environments including play centres, offices and hospitality.



### CLEANING

Light marks can be removed using a proprietary carpet spot cleaner.



### FLAME TESTED

Fabrics are EN 13501-1 CLASS B, s1, d0.



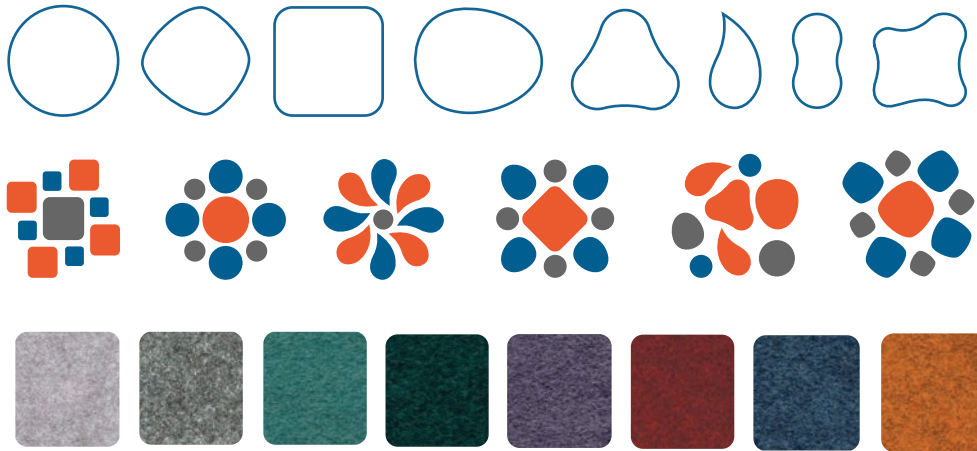
### WEIGHT

Our creative acoustic panels weigh in at approximately 2kg / m2.



## Shape & Colour Options

Popular shape, colour and panel grouping ideas.



## Acoustic Performance

Our creative acoustic wall panels help to reduce echo and reverberation.

These acoustic panels achieve the highest performance in sound absorption, making it a CLASS A absorber.

Sound Absorption Coefficient   Creative Acoustic Panels								
Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption CLASS
Creative Acoustic Panels	0.25	0.70	1.00	1.00	1.00	1.00	0.95	A

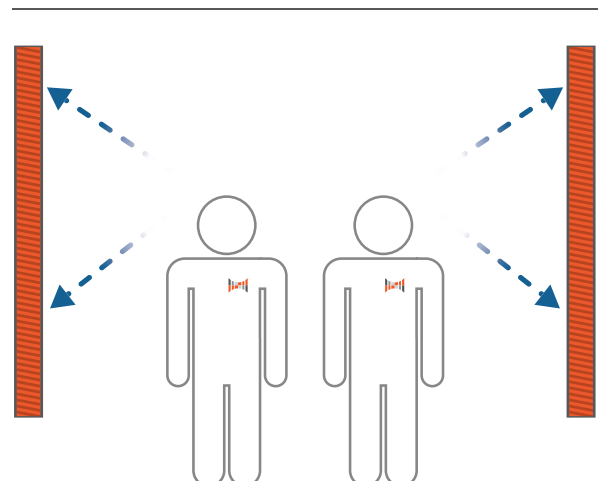
## Installation Process

Fitting your acoustic panels for optimum acoustic results.

Our creative acoustic panels will be fitted to clean and dried solid wall surfaces including concrete, plasterboard and block work.

The surfaces the panels are fixed to must be free of cold bridging and damp.

Absorbs sound from the front surfaces.  
Dimensional tolerance +/- 5mm.





## Resilient Acoustic Wall Panels

Durable acoustic wall panels ideal for sports halls and schools.

Tested for sports halls, games and multi-purpose use, our resilient acoustic wall panels are manufactured from recycled fibre glass which helps create an impact resistant solution. Its outstanding sound absorption (CLASS A and CLASS C) helps control excessive noise and reverberation.



### CLEANING

Light marks can be removed using a proprietary carpet spot cleaner.



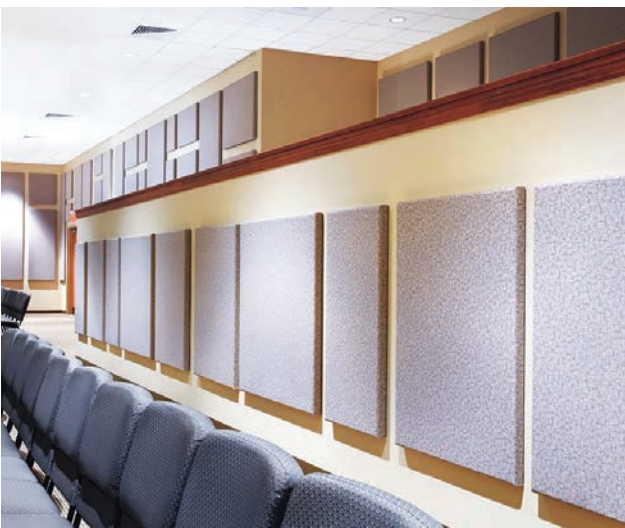
### FLAME TESTED

Core board offers CLASS O fire rating to BS476: Part 6. Fabric facing complies with CLASS 1 to BS476: Part 7.



### WEIGHT

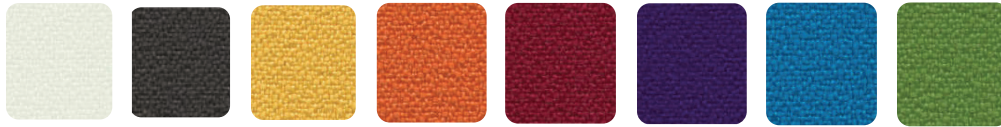
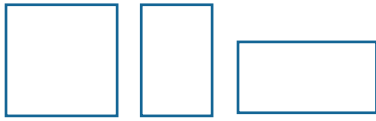
3.8kg/m<sup>2</sup>: (25mm thickness panels). 4.8kg/m<sup>2</sup>: (40mm thickness panels).





## Shape & Colour Options

Popular shapes and colours.



## Acoustic Performance

Our resilient acoustic wall panels help absorb noise in large open environments.

These acoustic panels offer outstanding absorption performance of CLASS A and CLASS C.

Sound Absorption Coefficient   Resilient Acoustic Panels (25mm Thickness)								
Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption CLASS
Resilient Acoustic Panels	0.00	0.35	0.80	1.00	1.00	1.00	0.95	C

Sound Absorption Coefficient   Resilient Acoustic Panels (40mm Thickness)								
Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption CLASS
Resilient Acoustic Panels	0.20	0.70	1.00	1.00	1.00	1.00	0.95	A

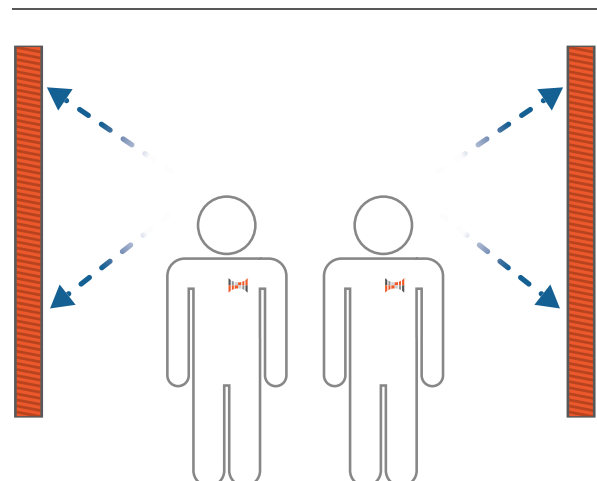
## Installation Process

Fitting your acoustic panels for optimum acoustic results.

Our resilient acoustic panels will be fitted to clean and dried solid wall surfaces including concrete, plasterboard and block work.

The surfaces the panels are fixed to must be free of cold bridging and damp.

Absorbs sound from the front surfaces.  
Dimensional tolerance +/- 5mm.





## Echo Reduction Panels

Sound absorbing rafts, baffles and panels for both walls and ceilings.

Ideal for offices, studios and corridors, these sound absorbing panels can be mounted to ceilings or walls to reduce excessive noise and reverberation. These echo reducing panels provide the highest sound absorption rating (CLASS A) and are available in a range of sizes and shapes.



### CLEANING

Light marks can be removed using a proprietary carpet spot cleaner.



### FLAME TESTED

The acoustic panel range has been tested to A2 - s1, d0.



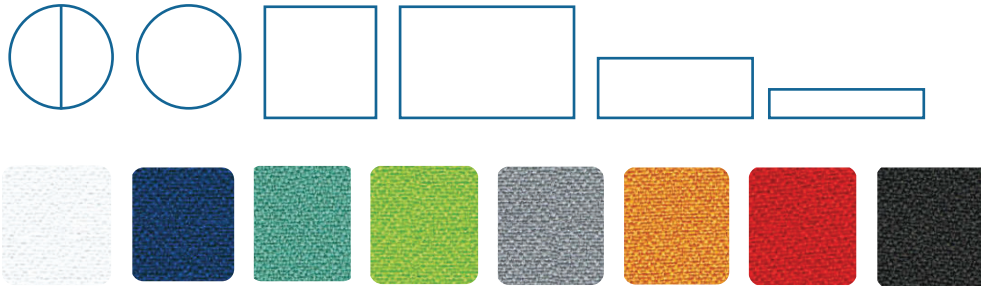
### WEIGHT

Our echo reduction panels weigh in at 5kg/m<sup>2</sup>.



## Shape & Colour Options

Popular shape and colour options.



## Acoustic Performance

Our echo reduction panels, rafts and baffles absorb sound from the front and back surfaces.

These acoustic panels, baffles and rafts offer outstanding absorption performance of CLASS A.

Sound Absorption Coefficient | Echo Reduction Panels (Panel 40mm Thickness)

Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption CLASS
Resilient Acoustic Panels	0.20	0.73	1.00	1.00	1.00	1.00	0.95	A

Sound Absorption Coefficient | Echo Reduction Panels (Raft 40mm Thickness)

Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption CLASS
Resilient Acoustic Panels	0.56	0.88	0.92	1.00	1.00	1.00	1.00	A

Sound Absorption Coefficient | Echo Reduction Panels (Baffle 40mm Thickness)

Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption CLASS
Resilient Acoustic Panels	0.70	0.62	0.93	1.00	1.00	1.00	0.90	A

## Installation Process

Fitting your acoustic panels, rafts and baffles for optimum acoustic results.

All acoustic panels, rafts and baffles will be installed on clean, dry solid surfaces including concrete, plasterboard and block work by our acoustic experts.



## Acoustic Ceiling Baffles

Sound absorbing vertical baffles with adjustable vertical suspension.

Ideally suited for loud environments such as offices, halls and shopping centres. These echo reducing ceiling baffles provide the highest sound absorption rating (CLASS A).



### CLEANING

Light marks can be removed using a proprietary carpet spot cleaner.



### FLAME TESTED

The core board has been tested and offers CLASS O and CLASS 1 fabrics.



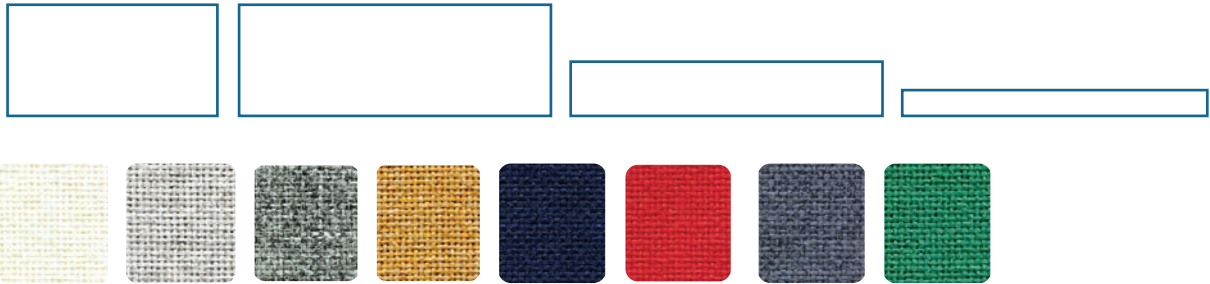
### WEIGHT

Our acoustic ceiling baffles weigh in at 4kg/m<sup>2</sup>.



## Shape & Colour Options

Popular shape and colour options.



## Acoustic Performance

Our acoustic ceiling baffles absorb sound from either side of the panel's surface.

These acoustic baffles achieve CLASS A sound absorption performance.

Sound Absorption Coefficient   Acoustic Ceiling Baffle (40mm Thickness)								
Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Sound Absorption CLASS
Resilient Acoustic Panels	0.70	0.60	0.90	1.00	1.00	1.00	0.90	A

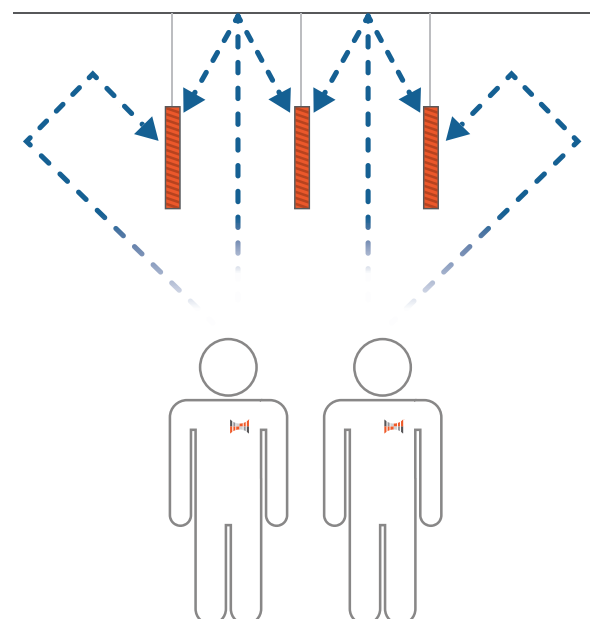
## Installation Process

Fitting acoustic baffles for optimum acoustic results.

Our aesthetically pleasing acoustic baffles are manufactured from high density fibre glass and are suspended from the ceiling at various heights if desired.

The panels are suspended from the ceiling by steel cables from the soffit via spiral hooks which are fitted into the acoustic panels.

Absorbs sound from the side surfaces.  
Dimensional tolerance +/- 5mm.



**Acoustic  
Movable Walls**  
A great addition to  
your acoustic panels!



# Acoustic Wall Systems



The UK's leading supplier of acoustic movable walls.

Having assembled a team of experts in their relevant fields, AWS has rapidly become a recognised name in creating space solutions using movable walls and sliding folding partitions.

AWS promote a technically advanced portfolio of products, both solid and glazed. Available with manual, semi auto and now fully automatic operation, taking each project from design through to installation and ongoing maintenance service.

## Acoustic Movable Wall Products

Movable wall systems are the ideal solution to dynamically divide spaces and offer sound reduction to create an acoustically pleasing environment.



A100 | Solid Movable Wall System



ASF100 | Sliding Folding Wall System



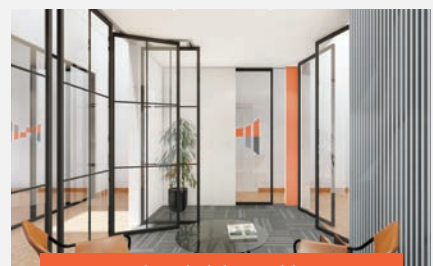
ASA100 | Semi-Auto Wall System



ADG100 | Double Glazed Wall System



SG35 | Single Glazed Wall System



GSF70 | Glazed Sliding Folding System

For information on supplying, installing and servicing movable wall systems call:

**01702 813 493**

Or visit our website [amwalls.co.uk](http://amwalls.co.uk)





Keep up to date...



w: [awsacousticpanels.co.uk](http://awsacousticpanels.co.uk) | t: 01702 813 493 | e: [info@amwalls.co.uk](mailto:info@amwalls.co.uk)



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