SERENITY WALL PANELS

MAKING YOUR INTERIOR QUIETER

movingdesigns LIMITED
movable and folding doors

SERENITY WALL PANELS ~ MAKING YOUR INTERIOR QUIETER

The Serenity is the perfect acoustic and aesthetic solution for various noise reducing applications. It decreases the reverberation time and absorbs sound in any space they are used. The wall panels are used extensively to transform areas such as multi-purpose halls, open-plan offices, conference suites, studios and interview rooms into workable environments.
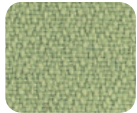
FIRE RESISTANCE
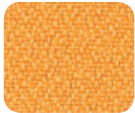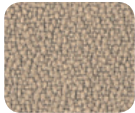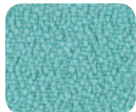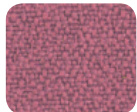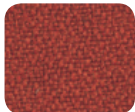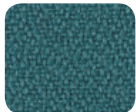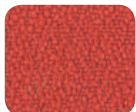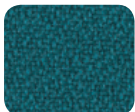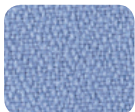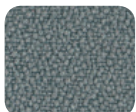
The recycled glasswool acoustic board provides very good fire-resistant properties. This is fire rated as Class 0 to BS476: Part 6. Standard fabric facings comply with Class 1 to BS476: Part 7. Class 0 fire rated fabric finishes are also available on request. UPVC trims are fire rated as BS476 Part 7.

STANDARD COLOUR CHART
Lucia
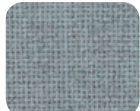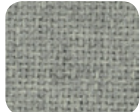
Colour	Code	LR
Adobo	YB165	LR = 85.8
Oyster	YB107	LR = 64.8
Turtle	YB098	LR = 39.14
Apple	YB096	LR = 37.16
Solano	YB088	LR = 36.13
Madura	YB156	LR = 43.08
Sandstorm	YB302	LR = 22.78
Reef	YB085	LR = 45.6
Aruba	YB093	LR = 37.39
Belize	YB105	LR = 10.49
Campeche	YB301	LR = 27.43
Bridgetown	YB102	LR = 11.34
Diablo	YB101	LR = 6.99
Jamaica	YB027	LR = 7.2
Calypso	YB106	LR = 6.4
Windjammer	YB047	LR = 9.02
Taboo	YB045	LR = 4.15
Tobago	YB030	LR = 3.11
Lobster	YB087	LR = 11.55
Tortuga	YB168	LR = 30.46
Montserrat	YB011	LR = 7.94
Arecibo	YB099	LR = 45.31
Bermuda	YB084	LR = 32.9
Mauve	YB069	LR = 14.64
Tarot	YB090	LR = 3.01
Ocean	YB100	LR = 3.56
Scuba	YB089	LR = 6.37
Bluebell	YB097	LR = 16.91
Martinique	YB004	LR = 12.79
Steel	YB095	LR = 23.03
Bluefield	YB021	LR = 8.27
Marianna	YB157	LR = 33.48
Tequilla	YB038	LR = 14.56
Slip	YB094	LR = 27.94
Blizzard	YB108	LR = 12.23
Havana	YB009	LR = 2.26
Sombrero	YB046	LR = 4.36
Costa	YB026	LR = 3.38
Buru	YB170	LR = 24.37
Rum	YB086	LR = 38.32

SERENITY BUBBLE COLOUR CHART
Cara

Colour	Code	LR
Lomond	EJ192	LR =
Glass	EJ004	LR = 46.32
Clan	EJ169	LR = 62.3
Vit	EJ184	LR =
Beltane	EJ193	LR =
Shetland	EJ191	LR =
Hillswick	EJ190	LR =
Denny	EJ196	LR =
Maree	EJ195	LR =
Chaucer	EJ172	LR = 25.94
Ronay	EJ189	LR =
Easdale	EJ188	LR =
Austen	EJ173	LR = 39.8
Spray	EJ033	LR = 16.46
Lora	EJ187	LR =
Dolphin	EJ105	LR = 35.65
Lerwick	EJ194	LR =
Portland	EJ016	LR = 14.26
Fair Isle	EJ186	LR =
Inverness	EJ175	LR = 31.48
Lead	EJ104	LR = 18.39
Staffa	EJ185	LR =
Galilee	EJ125	LR = 18.96
Adriatic	EJ154	LR = 8.79
Lossie	EJ197	LR =
Merrick	EJ048	LR = 12.23
Carron	EJ015	LR = 8.67
Cluanie	EJ180	LR = 4.13
Tummel	EJ038	LR = 6.65
Pitlochry	EJ076	LR = 8.59
Walten	EJ011	LR = 3.46
Black	EJ138	LR = 1.65

LR = Light Reflectance

ACOUSTIC PERFORMANCE

Sound absorption Coeffient - Cloudsorba Echo ll (with 100mm suspension)

Frequency (Hz)	125	250	1000	2000	4000	NRC	Sound Absorption Class
Cloudsorba Echo ll	0.36	0.84	1.0	1.0	1.0	0.96	A

Sound absorption Coeffient - Cloudsorba Fabric (with 100mm suspension)

Frequency (Hz)	125	250	500	1000	4000	NRC	Sound Absorption Class
Cloudsorba Fabric	0.38	0.92	0.96	0.99	0.97	0.95	A

WEIGHT

The 25mm thick Serenity Wall panels weigh approximately 3kg/m^2, whilst the 40mm thick Serenity Wall panels weigh approximately 4kg/m^2. UPVC trims weigh approx. 1kg/length.

The Serenity is available in 3 standard versions.

TYPE A ~ TEE JOINT PANEL SYSTEM

This is the most economical panel utilising white UPVC fixing sections. The panels have cut edges on all four sides. The UPVC sections serve two functions. One is to decoratively mask the edges and the other is as structural fixing sections.

This system is the most flexible as panels can be cut on site to suit wall dimensions.
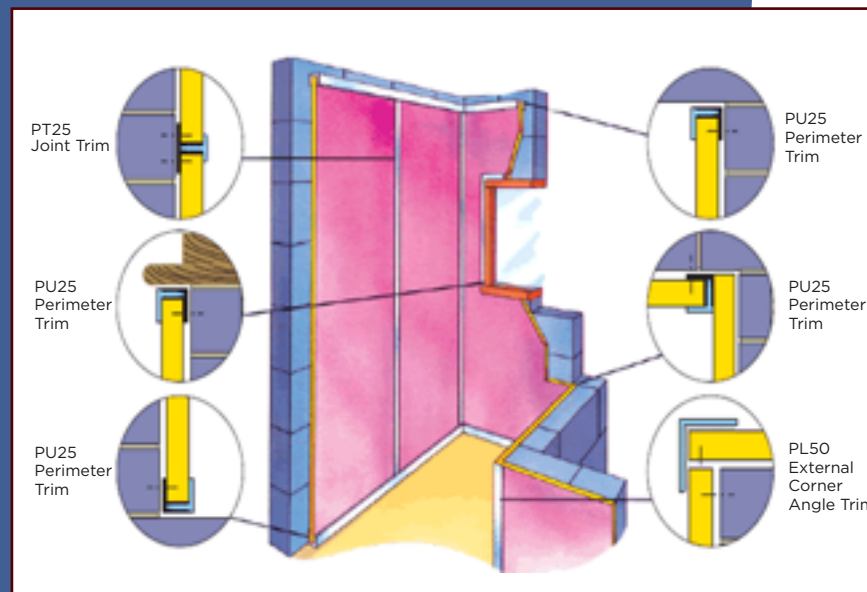
Nominal Dimension

Panel size ~ 1700mm x 1200mm

Panel thickness ~ 25mm (40mm thickness available on request)

UPVC fixings trims ~ 2700mm lengths

PT25 Joint Trim

PU25 Perimeter Trim

PU25 Perimeter Trim

PU25 Perimeter Trim

PU25 Perimeter Trim

PL50 External Corner Angle Trim

BUTT JOINT PANEL SYSTEM
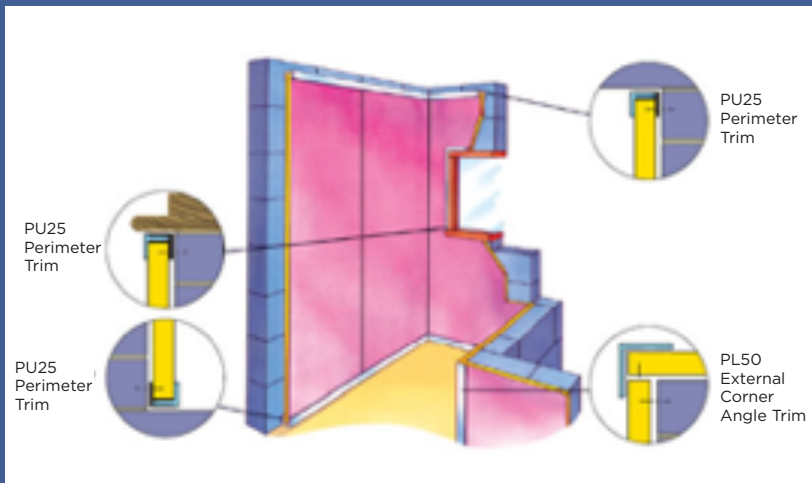
This eliminates the requirement of a tee joint section as this panel has reinforced long edges.

The fabric facing is wrapped around the two long edges of the panel.

This results in a neat, crisp butt joint between the panels.

Nominal Dimension

Panel size: 2700mm x 1200mm.

Panel thickness: 25mm (40mm thickness available on request).

UPVC fixing trims: 2700mm lengths.

SHADOW JOINT PANEL SYSTEM

Nominal Dimension

Standard sizes: 1200 x 900mm, 1200 x 1200mm, 1200 x 1500mm, 1200 x 1800mm, 1200 x 2100mm, 1200 x 2400mm, 1200 x 2700mm.

Panel thickness: 25mm (40mm thickness available on request).

Custom size panels made to customers' requirements are available

This panel has no visible fixing sections on any of the four sides of the panel. The panel has internal reinforced edges on all sides with the fabric bonded to the face and wrapped on all four sides. This results in a beautiful individual panel which can be used in single units or joined together to other panels or with shadow gaps as a design feature.

TYPE C ~ SERENITY BUBBLES

These acoustic panels have unique shapes with unsurpassed choices in shapes and colours, so that they can be visually pleasing and unique. These panels can visually lift the customers profile and tailor a noise solution for their room.

Our products are durable, they last a long time and are manufactured with materials that enables them to always keep the same shape.

The Serenity Bubble designer panels are an artistic decoration as well as being acoustic. The basic shapes lead to millions of combinations of patterns and colours. Do you love soft shapes or the strictly graphical? We have them. The products contribute to creating unique and creative spaces so that people can be comfortable both aurally and visually.

TYPE D: SERENITY WALL – ECOPAINT SURFACE FINISH

This version has an Arctic white speckled painted finish on all 6 sides, giving a crisp visually attractive appearance. The panels can be fitted as individual stand-alone panels as a design feature or can be butted together to form continuous wall linings. The perimeter edges of the panels are square edged.

These panels are NOT designed for impact resistance. If impact resistance is required, then use the fabric faced versions. The majority of the applications of these Serenity Wall - Ecopaint panels will be above door head height, out of touching reach. The panels can be fitted vertically or horizontally.

The standard Serenity Cloud - Ecopaint surface finish comes in a visually pleasing Arctic white speckled painted finish. However, they can be emulsion spray painted on site to any colour with little significant effect on acoustical performance. The panels can be painted for aesthetic reasons or even in the future to cover any dirty marks or maybe discolouration from cigarette smoke, etc.

NOMINAL DIMENSIONS

Standard sizes: 1200 x 1200 x 40mm thick

also: 2400 x 1200 x 40mm thick

Circle Panels: 800 diameter x 40mm thick

1200 diameter x 40mm thick

ACOUSTIC RATING

These are Class A sound absorbers. With 200mm air gap:

FIRE: The panels are Class 0 fire rated to BS476: Part 6.

WEIGHT: Nominal 4 kg/m2

Frequency (Hz)	125	250	500	1000	2000	4000
Quietsorba ecopaint direct fixed	0.25	0.70	0.95	1.00	1.00	1.00
Quietsorba ecopaint with 100mm air gap	0.55	0.90	1.00	1.00	1.00	1.00

ENVIRONMENT

Serenty Glass fibre sound absorbing boards consist of recovered household glass and recycled glass fibre. The fabric range used is made from 100% recycled materials saving virgin raw materials, reducing waste to landfill and minimising our damage to the environment. Made using sustainable manufacturing techniques, including green electricity, comprehensive energy and effluent management, borehole water and on-going waste saving initiatives, Second Nature fabrics leave a lighter environmental footprint. Our ethos is focused on continuing to achieve the highest environmental standards for our operations, products and innovations, engaging with, and acting responsibly towards, our local community and wider interest groups

WALL INSTALLATION

Clean white gloves must be used when handling these panels to avoid marking them. The acoustic panels are installed using impaling clips and Glue-sorba contact spray adhesive.

This method allows the panels to be fixed direct to concrete, brickwork, wood, plaster, or metal. A site installation guide is sent with each delivery. The wall to which the Serenity acoustic panels are to be fixed must have a continuous solid backing wall surface, which must be level and flat.

The Serenity Impaling clips have 4mm diameter holes to take pan head screws. Using appropriate screws and plugs, etc. depending on your wall substrate, fix the correct number of impaling clips needed for the size of the panel. The larger the panel, the greater the number of impaling clips.

Fix 'Impaling clips' to the wall

Spray wall and surface of Quietsorba panel with Gluesorba contact spray adhesive, ensuring that 100% of both surfaces are covered

Push Quietsorba panel onto wall and 'impaling clips' and press firmly

Minimum number of impaling clips per panel
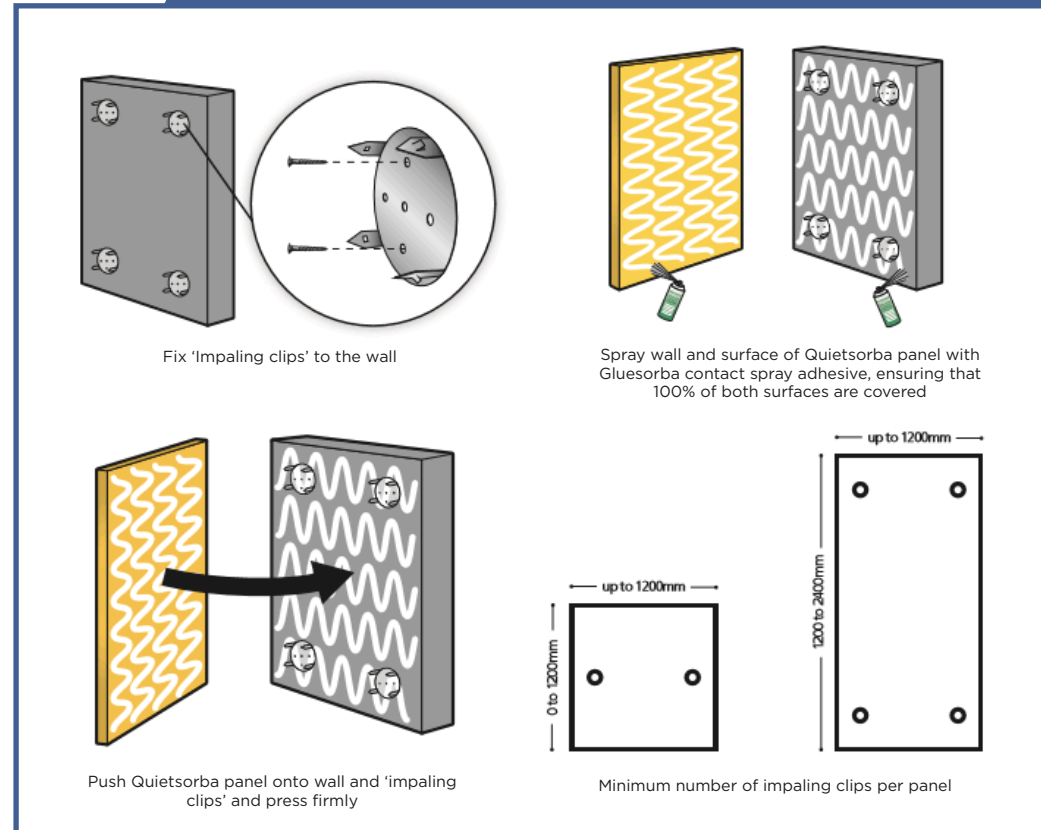
SERENITY WALL & CLOUD SORBA SHAPES
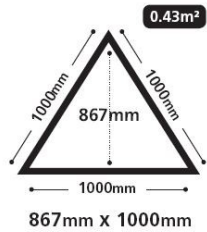
Triangle
0.43m²
1000mm
1000mm
867mm
1000mm
867mm x 1000mm
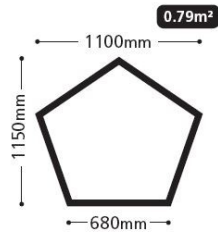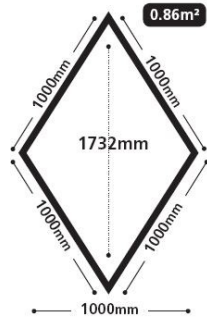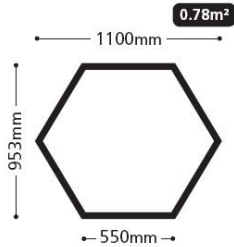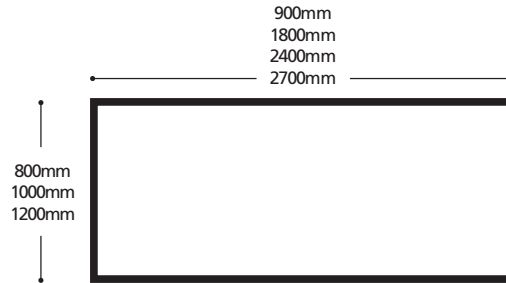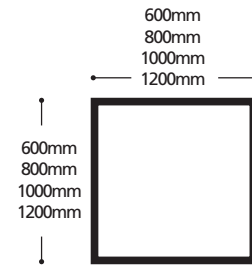
Pentagon
0.79m²
1100mm
1150mm
680mm

Diamond
0.86m²
1000mm
1000mm
1732mm
1000mm
1000mm
1000mm

Hexagon
0.78m²
1100mm
953mm
550mm

Rectangle
900mm
1800mm
2400mm
2700mm
800mm
1000mm
1200mm

Square
600mm
800mm
1000mm
1200mm
600mm
800mm
1000mm
1200mm

Cloud
0.81m²
1150mm
1000mm

Circle
0.49m²
0.93m²
800mm / 1100mm
800mm / 1100mm

Two-part circle
1.98m²
1600mm
1600mm
800mm

Ellipse
0.63m²
1.86m²
800mm / 1000mm
1000mm / 2400mm

Star
0.41m²
1141mm
1085mm
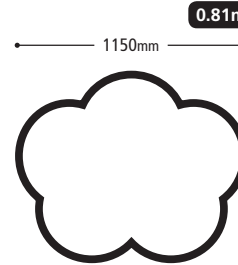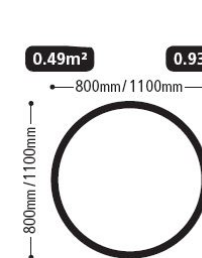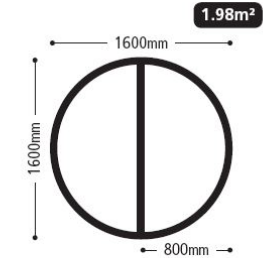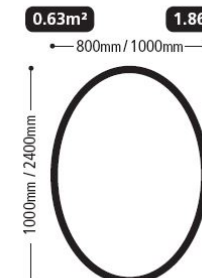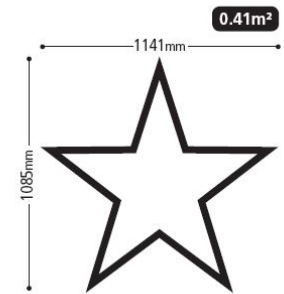
SERENITY BUBBLE SHAPES

SHAPES

We now offer a selection of 9 shapes.

0.34m² — 580mm × 580mm — **580mm Square**

0.66m² — 815mm × 815mm — **815mm Square**

1.21m² — 1100mm × 1100mm — **1100mm Square**

0.11m² — 380mm — **380mm Circle**

0.47m² — 770mm — **770mm Circle**

0.95m² — 1100mm — **1100mm Circle**

0.41m² — 1000mm / 600mm — **Left Tear**

0.41m² — 1000mm / 600mm — **Right Tear**

0.66m² — 1000mm × 1100mm — **Seashell**
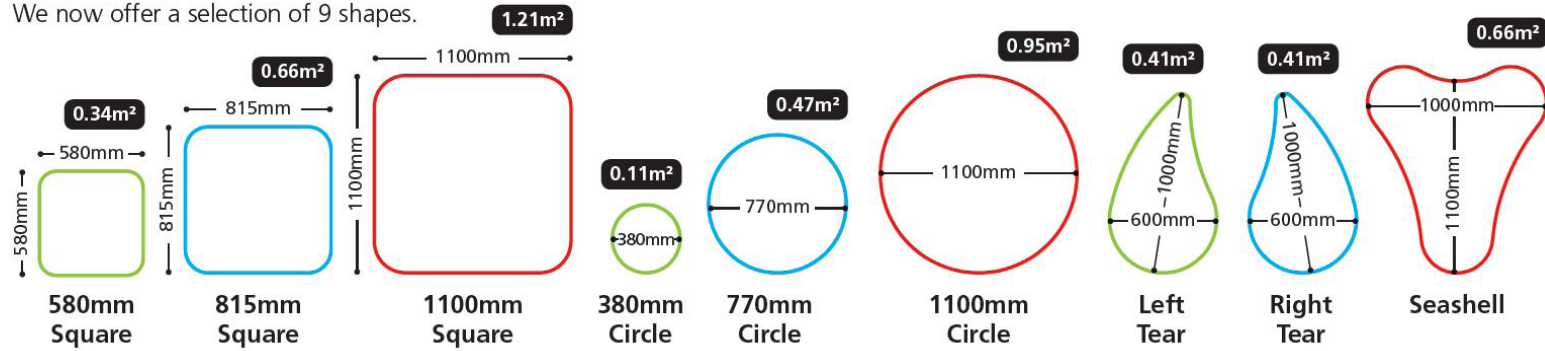
PATTERNS

We have a range of standard pattern groups for you to choose from.

Feel free to compose your own group of patterns and shapes to fit your interior at your workspace or home.

2.28m² — **Group A**

2.43m² — **Group B**

5.15m² — **Group C**

5.21m² — **Group D**

4.24m² — **Group E**

3.39m² — **Group F**

2.57m² — **Group G**

1.64m² — **Group H**

3.92m² — **Group I**
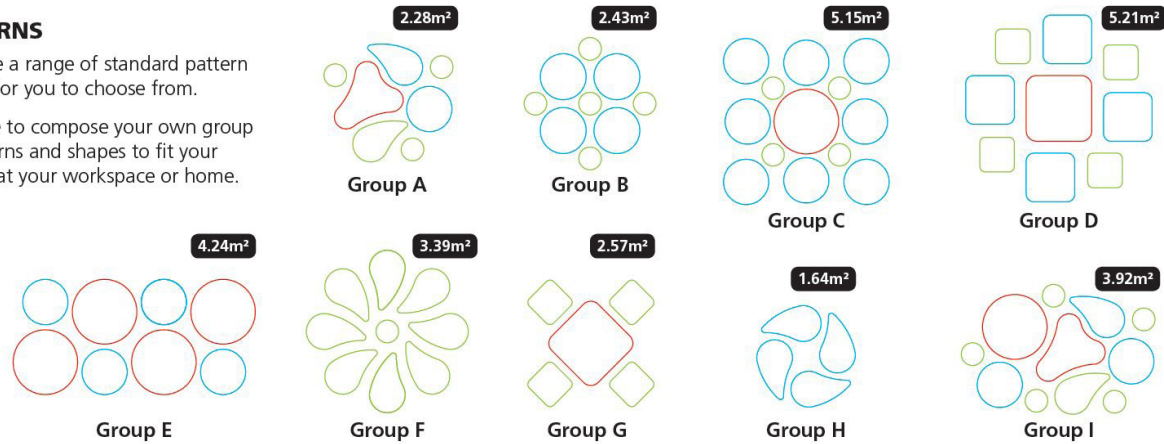
Problem
Unwanted sound is formed by waves that are reflected from solid surfaces that have limited absorption, such as wood floors, glass, walls and ceilings. Ideally, sound travels in one direction from the speaker to the listener. Today in many offices, schools, healthcare facilities, government buildings and indoor public areas (e.g. libraries, concert halls and museums), sound reflects off hard surfaces creating echoes. These echoes diminish voice intelligibility, making words hard to understand. We have all experienced acoustic "reverberation", or echo, in large open spaces. Working or being in a noise polluted environment is stressful and reduces productivity and enjoymentt

Solution
Better acoustics requires reducing these secondary sound paths with sound absorbing materials. The Serenity acoustic panels are an ideal solution to reduce echoes in conference rooms, call centres, restaurants, hotels, houses of worship, classrooms, retail stores and movie theatres. These commercial grade panels are designed for many years of use.

Performance
The Serenity is a high specification acoustic panel system. They are durable, fire rated, visually pleasing and offer excellent acoustic performance. They are the decorative solution to your sound control needs.

Aesthetic And Design Qualities
The Serenity Wall acoustic panels will transform a stark echoing area into a warm, quieter, congenial work place. The panels have been designed with a commitment to creating a product that is as stylish as it is functional. They are manufactured from resin bonded glass fibre specifically tooled and pressed for maximum sound absorption. The panels are fabric finished hence forming an acoustic panel which is decorative, durable and resistant to mild impacts.