Sound Absorber Products Portfolio

soundsorba

Soundproofing to shout about

OXFORD Ltd

October 2008

ECHOSORPTION PLUS - Sound absorbing ceiling tiles

Key Benefits

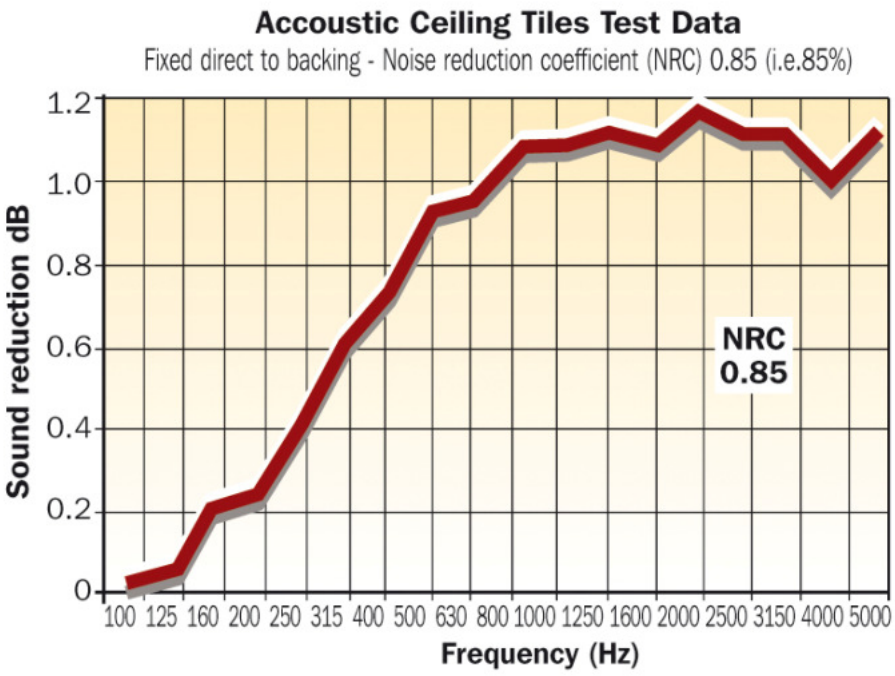
- Easy application with our spray adhesive
- CLASS C absorber, which complies with PART E building regs.
- Halogen gas and CFC free
- Class O fireproof rated
- Chamfered edges to save using jointing strips
- Minimum loss of head room
- Supplied in tiles 1200 x 600 x 30mm thick
- Available from stock

Description

Echosorption Plus also referred to, as Echosorption II are stick-on sound absorbing ceiling tiles, which are extremely lightweight and easy to install.

These acoustic tiles provide a higher sound absorption performance. Echosorption Plus acoustic tiles are also particularly effective at reducing reverberated noise. Their ease of application and durability make them a popular choice for schools, offices, sports halls, music studios, lecture theatres, multi-purpose halls, interview rooms and shooting ranges among others. At only 30mm thick, these improved Class 0 non-flammable sound absorbing tiles are ideal for fitting to ceilings with minimum loss of height.

The panels are made up with an acoustic mineral wool core faced with a highly efficient acoustically transparent painted surface. The tile is laminated to an aluminium foil backing to enhance stability and the edges of each tile are chamfered so no jointing strips are necessary.



The special construction of Echosorption panels give a very high sound absorption rating 0.85 (i.e. 85%) with minimum headroom height loss of only 30mm.

PART E Compliant

As they are a Class 'C' absorber they are also suitable for the ceilings of stairways and other common ceiling areas within flats to comply with the latest Building Regulation requirements for sound absorption and for reduced reverberated noise. The Approved Document E also contains guidance on the installation of Class 'C' sound absorbing in common areas of buildings such as in flats. The easiest way to comply with these new rules is to fit a Class C performance sound absorber on the ceilings of these areas. The requirement is to fit a these sound absorber to cover an area of not less than 50% of the ceiling area in the common area of all floors including stairways.

Legislation has now been introduced to control noise and reverberated sound in schools and other public buildings as described in Building Bulletin 93 (BB93) as Part E of the Building Regulations. Echosorption Plus can be used to meet these new regulations when applied to the ceiling of all classrooms.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

Sound Service (Oxford) Ltd, Crawley Mill, Witney, OX29 9TJ Tel: 0845 363 7131 - Fax: 0845 363 7151
www.soundservice.co.uk

PHOTOSORPTION - Bespoke printed sound absorbing pictures.

Key Benefits

- You can use your own image or company logo
- Great sound absorption whilst still being subtle and discreet
- Choose from a wide range of our images
- Class 0 fireproof
- Class C Absorber
- Clean and very easy to install
- Available in many sizes

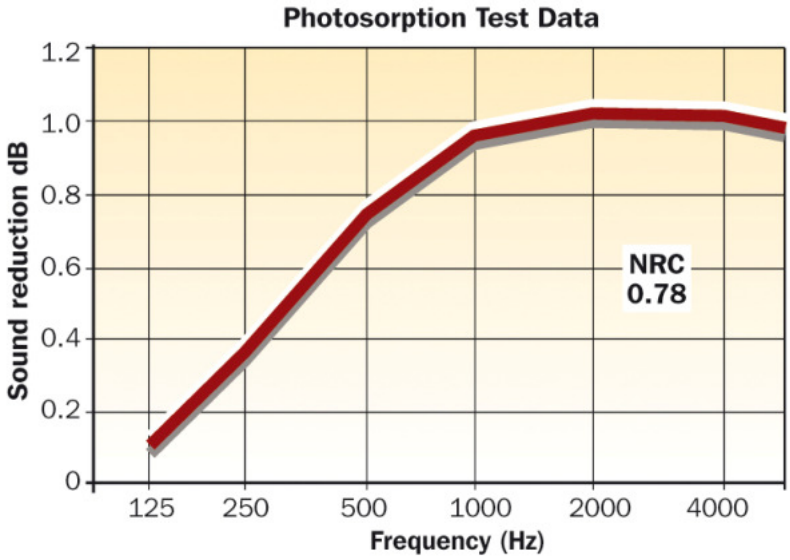
Description

Reduction of sound reverberation is important in large open plan areas such as restaurants, conference rooms and shopping malls. To address this problem, we have now introduced a sound absorbing panel that can have a photograph or image of your choice printed upon it. This class C absorber is also suitable for use in the common areas of flats.

When mounted on a wall, the sound absorbing panel will effectively absorb noise at that point and efficiently reduce the 'bounce back' of the sound. This is particularly effective in areas where a large amount of noise is generated and affected by the surrounding hard surfaces of walls, floors and ceilings and the more there are installed the greater the reduction will be of reverberated noise.

Design: - By adding porous materials to the walls of a room, reflected noise is reduced thereby damping the echo effect and so making it easier to communicate. It is important to use effective sound absorbing panels for this, which will also fit in with the aesthetics of the room or building.

Photosorption has been specifically created to fill this requirement and cleverly disguise our acoustic sound absorbing panels as artwork. This creative solution to successfully reduce echo and reverberation is a great success for areas where aesthetics is of high priority. The panels can be printed with any photograph of your own as long as it is of high enough picture quality.



If you supply us with a high resolution image of your logo, or a picture of your choice, we can print this onto a sound absorbing panel that can be mounted in your own reception area or office.
The main criteria to make this possible is to supply us with a photograph or image with a minimum of 360 DPI, which can normally be supplied to us on a CD. Pictures of this quality are normally taken on film because digital images are not normally of a high enough resolution.
The image is wrapped around the edge of each panel and fixed to the back to create a neat finish so it is best if an image is chosen that has plenty of space around the edges. Alternatively, we can find a suitable image for you. Please call us on 0845 363 7131 and ask for our marketing team.

Installation: - They are easily bonded to a wall using our special Sta-Put adhesive that makes installation very easy. Full details on how to install these panels can be obtained by referring to the fixing guide on our website.

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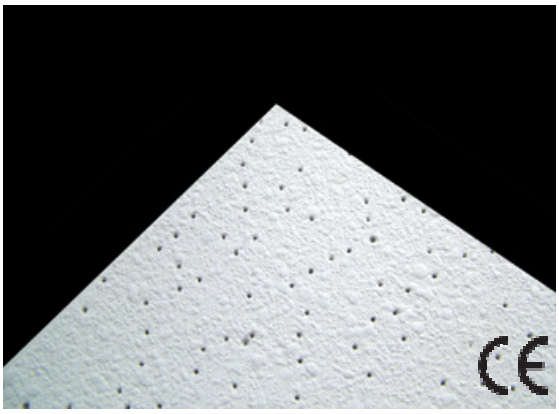
TILESORPTION - Sound absorbing ceiling tiles.



Key Benefits

- Easy application into a grid ceiling system
- Class 0 fireproof rated
- Modern stylish design in either tegular or flat edge finish
- Available in white.
- Provides up to 39db sound insulation (room to room)
- Supplied in tiles 600 x 600 x 20mm thick
- Available from stock

Description

These clean sound absorbing 20mm thick Class 0 non-flammable sound insulating tiles are ideal for fitting into high profile locations such as showrooms, reception areas and high tech offices.

Tilesorption acoustic tiles can also be used in a wide range of alternative areas where reverberated sound loss is required.

The tiles are produced from bio-degradable mineral wool, inorganic fillers and binders and finished with 2 coats of a dispersion type paint which is acoustically transparent and free from organic solvents.

Detail of perforation

TILESORPTION acoustic tiles are supplied 600 x 600mm to fit into a standard 24mm, 600 x 600mm modular grid system. Tegular edge and flat edge versions are also available.

We recommend the perimeter cuts are made of flat tiles and not tegular tiles.

Fire performance
Material classification: EN 13501-1, A2-s1, d0
BS476: Part 23 steel beams None
BS476: Part 21 timber floors None
BS476: Part 21 mezzanine floors None

Acoustic properties
Sound absorption: NRC 0.45
Sound absorption: α_w 0.45w
Absorption: class D
Sound insulation: (room to room) Up to 39dB

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WALLSORPTION - Sound absorbing wall panels

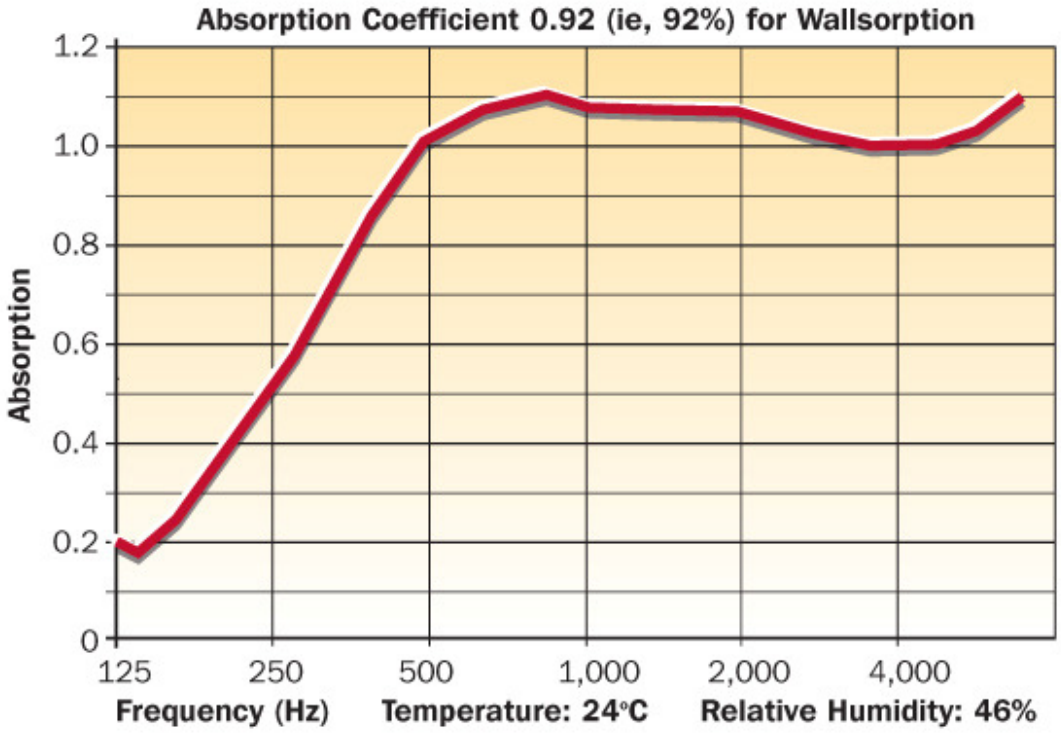
Key Benefits

- Simple fitting to walls and easy to remove when necessary.
- Fireproof.
- Significantly reduces echo and overall office sound.
- Helps reduce sound leaving the room to other work areas.
- Available in 20 recycled fabric colours
- Supplied in a range of sizes and options. Please call for details.

Description

Wallsorption sound absorbing wall panels are a high specification acoustic panel system designed to extensively transform open plan offices, conference suites, studios and interview rooms into aesthetic workable environments. They are supplied covered with an acoustically transparent fabric and are durable, fire resistant, visually pleasing and their sound absorbing qualities offer excellent sound absorption. Please click above to see our Fabric colour chart.

The Wallsorption panels are finished in a high quality acoustically transparent fabric available in 20 standard colours. We are proud to say this fabric is recycled and is further testament to our commitment to the environment. If required, the panels can also be used for displaying posters as they easily take pins.



There are several standard versions of Wallsorption panels available depending on how you wish to install them.

FIRE SAFETY - The acoustic glass fibre core is rated as Class 0 to BS 476. Standard fabrics comply with Part 7 (class 1) to BS 476. Class 0 fire rated fabrics are available upon request. UPVC trims are fire rated as BS 476 part 7. Like normal UPVC, the trims have a maximum softening limit of 60°C.

WEIGHT - The sound absorbing panels weigh approximately 3Kg/m². The UPVC trims weigh approx. 1Kg/length.

CUTTING - Wallsorption acoustic panels can be cut with a sharp knife. UPVC trims and the panel edge reinforcement strips can be cut easily with a fine toothed fret saw or strong tin snips.

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ARTSORPTION - D.I.Y paintable sound absorbing wall panels

Key Benefits

- Paint your own design or picture directly onto the product
- Great sound absorption whilst still offering full custom design.
- Class O fireproof
- Clean and very easy to install
- Available in many sizes

Description

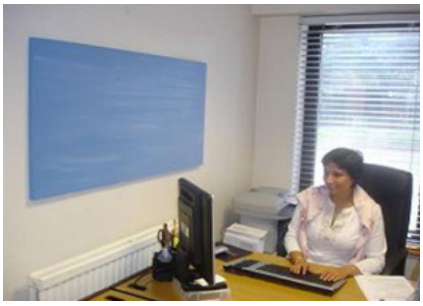
Artsorption is a sound absorbing acoustic wall panel that can be painted by the customer to present a decorative sound absorbing panel for walls. These high specification acoustic panels are developed to extensively transform open plan offices, conference suites, studios and interview rooms into workable environments.

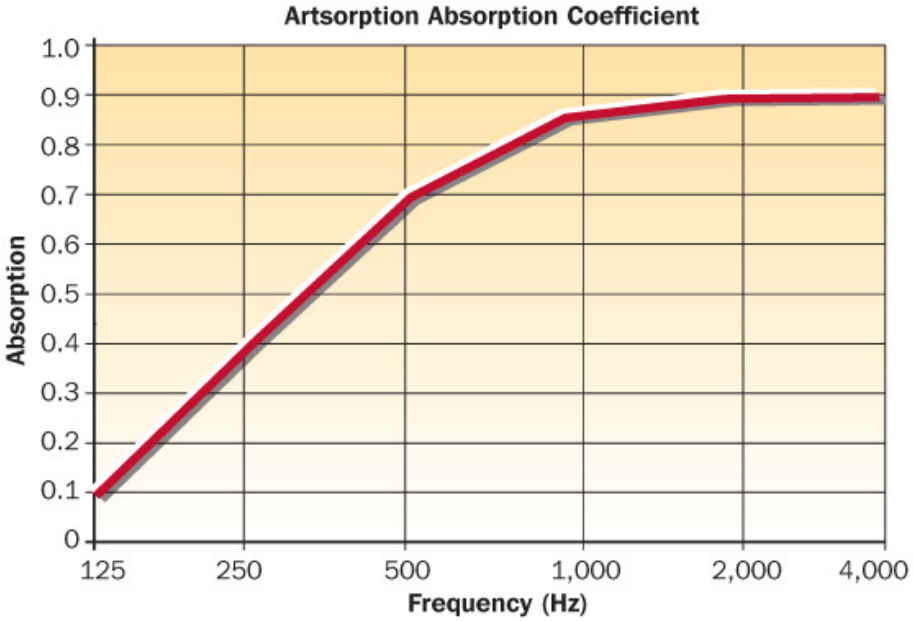
They are the decorative solution to your sound control requirements and are durable, fire resistant; visually pleasing and their sound absorbing qualities offer excellent sound absorbing performance.

Design

Artsorption acoustic wall panels are finished in high quality acoustically porous fabric that can easily be painted with your company logo, abstract designs, products or a more ambitious scene such as a landscape.

By adding sound absorbing materials to the walls of a room, reflected noise is reduced thereby damping the echo effect and so making it easier to communicate. It is important to use effective sound absorbing panels for this, that can fit in with the aesthetics of the room or building.





Painting: - This product **MUST BE** painted with ordinary matt emulsion in order to maintain the acoustic quality of the panel.

Installation: - They are easily bonded to a wall using our special adhesive that makes installation very easy. Full details on how to install these panels can be obtained by referring to our Installation Guide on our website.

We also supply Photosorption sound absorbing panels for walls that can have a photograph of your choice printed on them

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SCREENSORPTION - Sound absorbing office dividers

Key Benefits

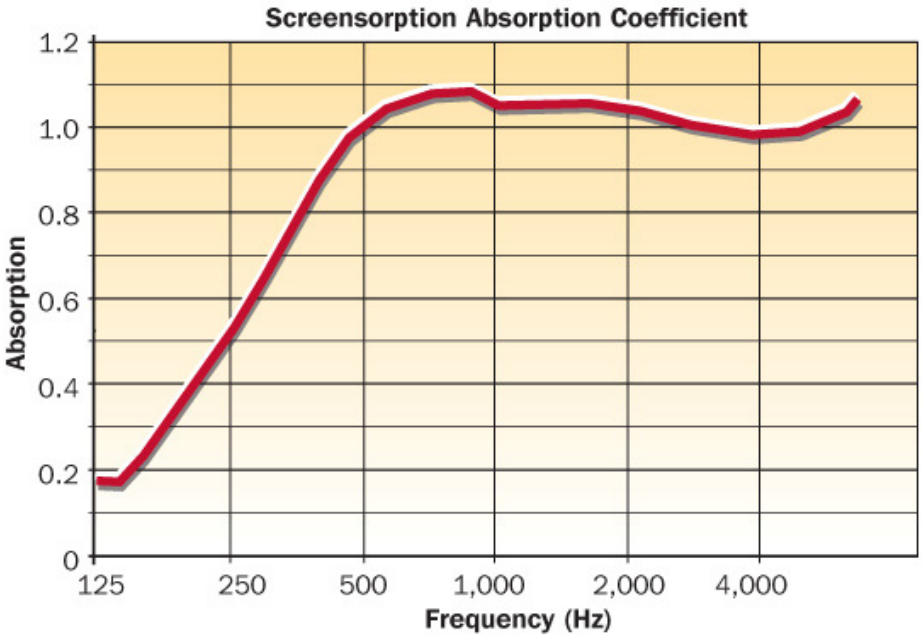
- Freestanding, easily moveable office screens
- Provides both a sound barrier and sound absorption
- All screens are easily linked to form dividing walls
- Choose from 20 different colour fabrics
- Available in a variety of sizes

Description

Screensorption acoustic screens have exceptional sound control performance. Supplied as double sided sound absorbing units with an internal sound barrier core. These have two sound reducing functions. It reduces direct sound transmission from one work zone to another and it absorbs noise, which reduces reverberant sound reflections into adjacent work areas. These sound protecting screens can also be joined together to form a continuous screen or enclosure using a simple linking facility or can be used as stand alone screens using the flat feet supplied.

Application - Used to reduce reverberant noise in open areas and screening of noisy office equipment. Screensorption can also be used to give acoustic isolation between workstations. It is one of the simplest and effective means for sound control in any open plan office or call centre.

Manufacture - Screensorption acoustic screens are manufactured from resin bonded acoustic glass fibre specifically tooled and pressed for maximum sound absorption and are covered with a sound absorbent fabric with a high density wood based internal sound reducing core.



Appearance - A wide range of acoustic screen fabrics are available from our recycled fabric supplier. Aluminium or plastic posts and extrusions are available in four standard finishes: Black, Light grey, dark grey and brown. Other colours can be supplied subject to minimum quantities.

Dimensions - Screens can be supplied in a wide range of widths and heights to suit your specific building and furniture requirements. The nominal thickness of the screens 65-78mm depending on the style required. Other thicknesses may be available upon request.

Weight - Glass fibre core weight is approx. 4kg/m^2

- Overall weight nom. 15kg/m^2

Flammability - The acoustic glass fibre core is rated Class 0. Fabrics are fire rated as **CLASS 1. CLASS 0 FABRICS ARE AVAILABLE UPON REQUEST.**

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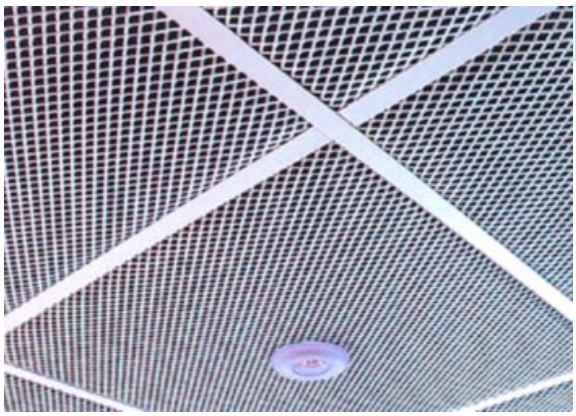
SQUARESORPTION - Sound absorbing ceiling tiles.



Key Benefits

- Easy application into a standard modular grid ceiling system
- Mineral fibre and CFC free – Ideal for food outlets
- Class 0 fireproof rated
- Modern stylish design in either tegular or flat edge finish
- Available in chrome or white finish
- Supplied in tiles 593mm x 593mm x 8mm thick

Description

Stylish sound absorbing ceiling tiles designed to reduce sound and reverberation within a room or workspace.

At only 8mm thick, these exclusive sound absorbing Class 0 non-flammable sound insulating tiles are ideal for fitting into high profile locations such as showrooms, reception areas and high tech offices. Squaresorption tiles are also great for restaurants and fast food outlets as they are free from mineral fibres and CFC.

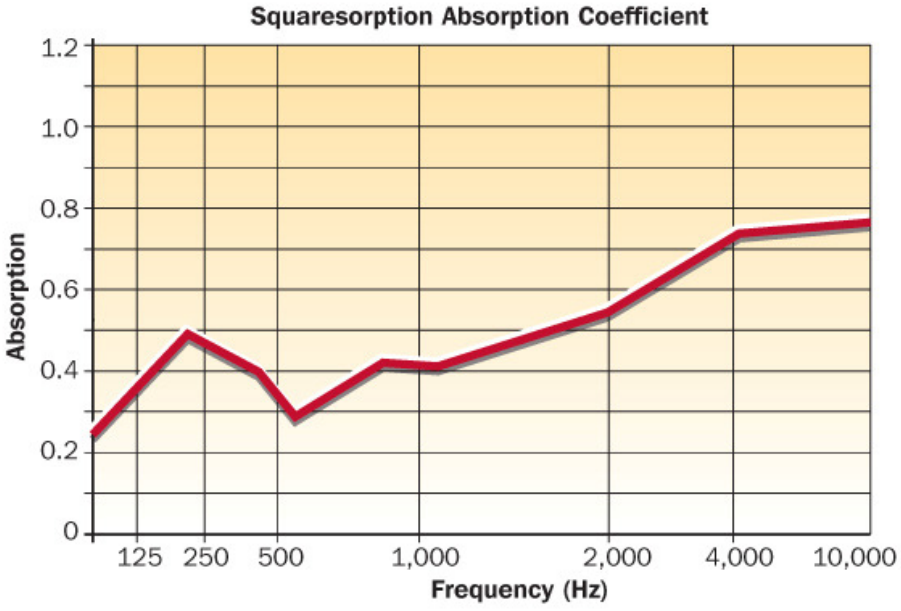
Squaresorption tiles can also be used in a wide range of alternative areas where reverberated sound loss is required.

The tiles are produced from expanded diamond pattern chrome or white finished metal and factory fitted with a unique sound absorbing pad on the rear face of the tile. Pre-bonding of the sound absorbing element simplifies fitting of the tile.

The open structure of the diamond pattern gives an open area of up to 70% enhancing the sound absorbing properties of the finished product.

Due to the dilated pattern of Squaresorption acoustic tiles, a kaleidoscope effect is produced adding lustre and enhancing the value to give the design uniqueness to a ceiling.

Squaresorption fits into a standard 24mm, 600 x 600mm modular grid system. Tegular edge and flat edge versions are available. We recommend the perimeter cuts are made of flat tiles and not tegular tiles. The tiles can be cut with standard metal snips. A mirror finish grid would add a lustre finish to the entire ceiling design.



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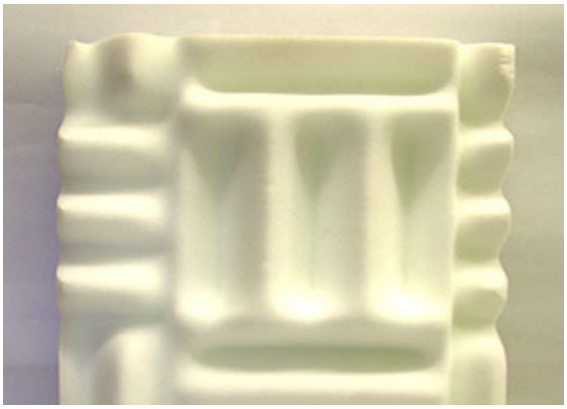
FOAMSORPTION - Sound absorbing ceiling tiles



Key Benefits

- Extremely lightweight and easy to cut / install
- Fibre and CFC free
- CLASS 0 fireproof
- Made of high sound absorbing melamine foam
- Aesthetically pleasing profile finish
- Supplied in tiles 1.2 m x 0.625m x 35mm thick
- Available from stock

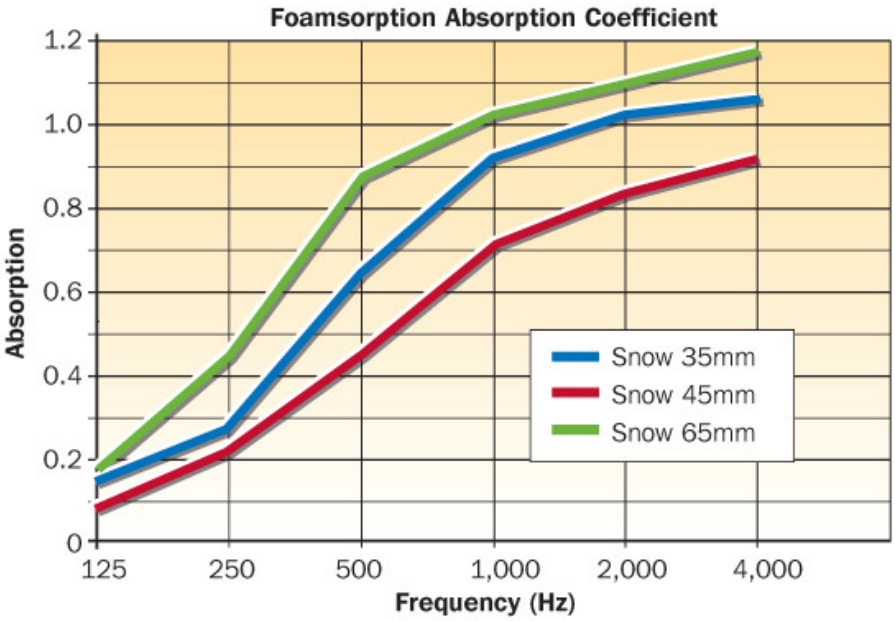
Description

Foamsorption are extremely lightweight sound absorbing tiles made from high technology soft acoustically profiled foam material on a melamine resin base. White in colour they are designed to be bonded onto existing or new ceilings and high level wall surfaces, have virtually no weight and are very simple to fix.

Foamsorption tiles are fibre and CFC free as well as having excellent fire resistant ratings. These tiles are used with great success in applications such as studios, offices, community and multi-purpose halls, cinemas, classrooms and shooting ranges for reduction of resonant noise.

Application

Due to its greater surface absorption allied with its low weight and Class '0' fire resistance, Foamsorption tiles can be used safely in virtually any building.



Acoustics

The special open face profiled foam pattern is the main reason why Foamsorption tiles outperform other acoustic tiles. This leads to higher sound absorption in buildings resulting in greater reduction of reverberant noise.

PLEASE NOTE: - This product is very soft and easily damaged. If used on a wall it needs to be placed very high up. This product is not suitable for use in an area where it may come into contact from balls or sports objects that may fly up to the ceiling.

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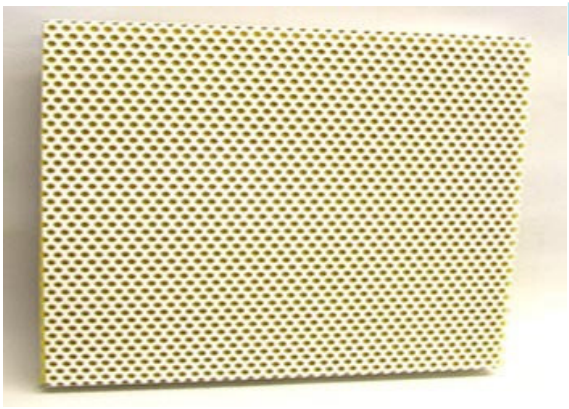
STEELSORPTION - Industrial sound absorbing steel wall panels



Key Benefits

- Simple to fit to a wall and easy to remove when necessary.
- Class O fireproof.
- Significantly reduces echo and overall workshop noise.
- Helps reduce sound leaving the room to other work areas.
- Available galvanised or in white
- Supplied in panels 2.5m x 300mm x 25mm thick

Description

Steelsorption sound absorbing perforated wall panels are high specification acoustic panels designed to extensively reduce noise nuisance and reverberation in an industrial working environment. They are the practical solution to your sound control requirements and are durable, fire resistant, strong and their sound absorbing qualities offer excellent acoustic performance.

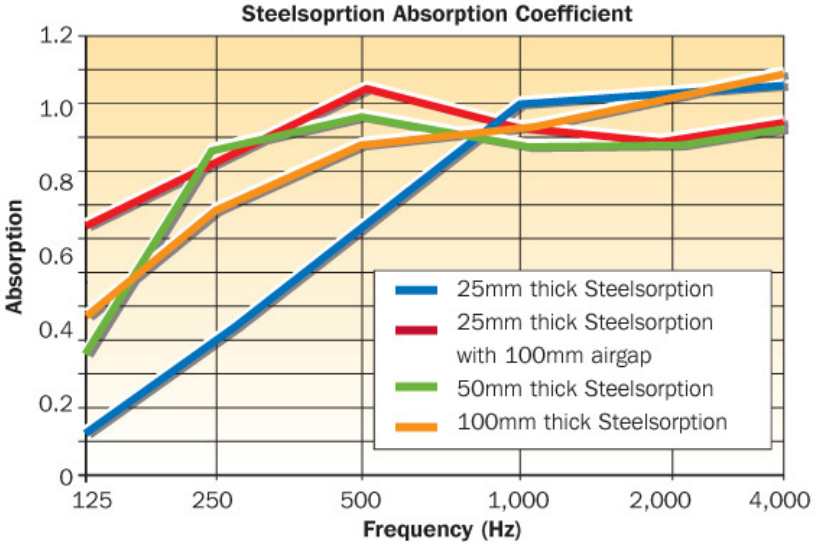
These highly efficient and robust sound absorbing panels are designed for easy installation into factories, workshops, plant rooms, test bays and many other industrial working areas where a high degree of noise may be a problem.

Walls: - Use a spirit level to align all horizontal and vertical surfaces. Odd leg 'U' channels are plugged and screwed to the wall. Insert the panel into top channel and push panel flush to wall then lower into bottom channel. Use bottom channels vertically as capping to cut wall ends.

Ceilings: - Odd leg 'U' channels are plugged and screwed to the soffit. Insert the panel into top channel and push panel flush to soffit – then slide into bottom channel. Use bottom channels as capping to cut ends. Use pop-rivets or screws to hold panels at ends as required.

Cutting: - Perforated metal panel facing can be cut using metal snips and insulation core with a sharp knife.

Maintenance: - Panels can be wiped with a clean cloth.



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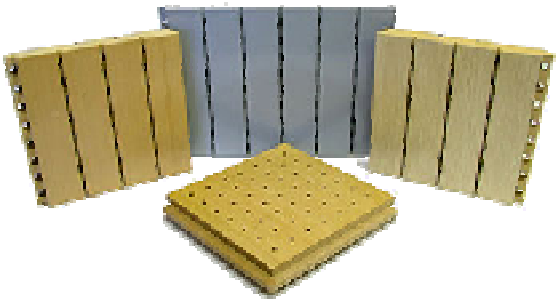
WOODSORPTION - Sound absorbing wooden panels

Key Benefits



- Supplied with a natural wood laminate or paint primer finish.
- Aesthetically pleasing
- Abuse resistant and hard wearing
- Tongue and grooved for easy install
- Supplied in 4 lengths up to 2.4 metres and sold per metre.

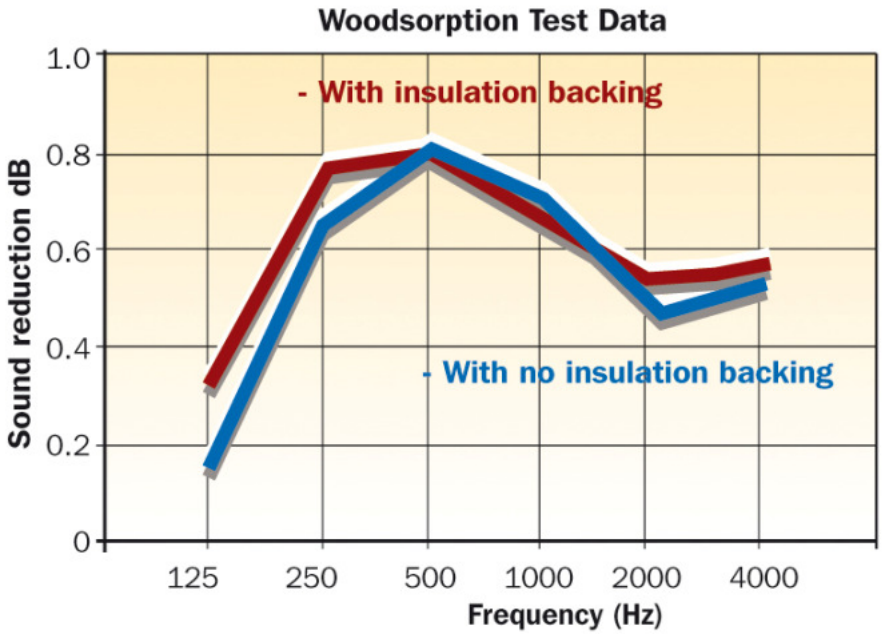
Description

Since wood is a natural product, our Woodsorption range of acoustic wood panels create a naturally aesthetic solution to noise control. The unique features of these sound absorbing wood panels give a warm organic appearance offering a finish to compliment any area. Surface choices include real wood veneers, wood print laminates and primed paint finished.

Application - Woodsorption panels are suitable for almost every application including use in schools, studios, reception areas, lecture theatres, offices and commercial buildings. Woodsorption panels are exceptionally durable and abuse resistant making them particularly appropriate for areas that may require a high degree of impact resistance such as sports and recreation halls, police interview rooms, court rooms, offices, reception areas, factories and workshops.

Manufacture - Woodsorption sound absorbing panels consist of a finishing surface, base core board and black acoustic fleece backing. The base core board is 18mm thick MDF sheet with a finish laminated to its front face and black acoustic fleece adhered to its rear face.

Design Considerations - Woodsorption panels cannot be supplied as curved panels but they can be indexed or stepped around a gentle radius giving the appearance of a slow staggered curve. The radius should be greater than 5m to achieve this.



REAL WOOD VENEERS: These sound absorbing panels are faced with natural wood veneers. Due to the natural characteristics of wood, veneer colours and grains cannot be guaranteed for consistency or match.

PRINTED WOOD VENEERS: The acoustic panels are faced with a printed laminate paper which imitates natural wood but is not produced from real wood. Variations may also occur between different production batches. This type of finish is not as damage resistant as real wood veneer.

PAINTED FINISH: Woodsorption acoustic panels can be supplied with a primer sprayed finish in either white or grey.

For maximum sound absorbing performance, Woodsorption should have our non flammable sound absorbing acoustic foam installed behind them.

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BAFFLESORPTION - *Lightweight suspended sound absorbers*

Key Benefits

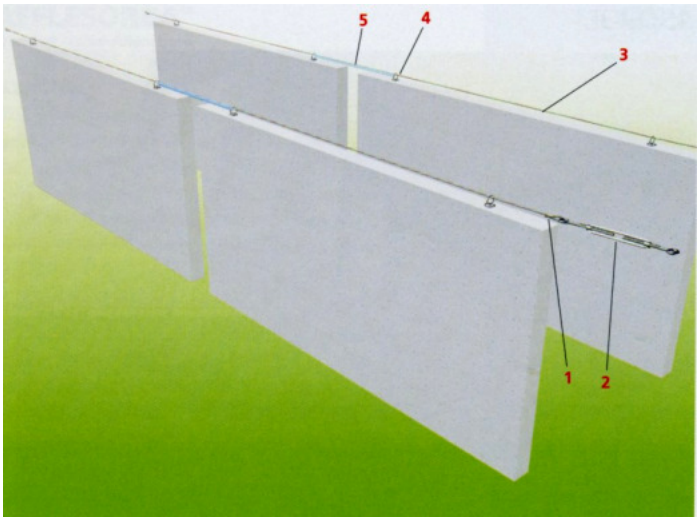
- Excellent sound absorption values over a wide range of frequencies
- High degree of light reflectivity
- Free of synthetic and natural mineral fibre, halogens and CFCs
- Very low volume weight
- High degree of resistance to ageing
- Open-cell & Class 0 Fireproof
- Supplied as a panel 1250mm x 410mm x 50mm thick (15 per box) or 1250mm x 625mm x 50mm (12 per box)

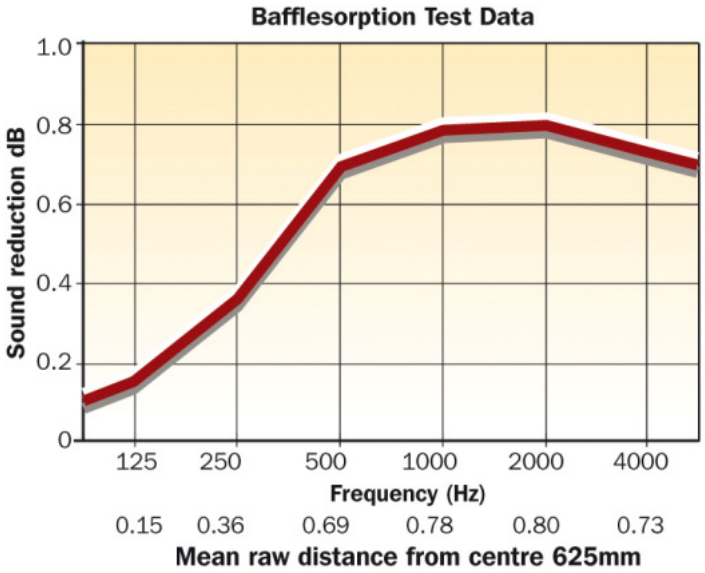
Description

Bafflesorption suspended sound absorbers are lightweight non flammable high performance baffles used to absorb noise in the ceiling areas of buildings. These are particularly useful in situations where the roof space has a multitude of various services. Not only are excellent acoustic results achieved in this way, but aesthetically innovative solutions are created. Typical uses are in factories, schools, swimming pools, leisure centres, exhibition areas, offices, studios and other internal areas.

Bafflesorption is constructed of open-cell melamine resin-based foam. The foam exhibits special qualities such as its intricate three-dimensional web structure composed of thin strands which make the material easy to form. These qualities result in a material that possesses excellent sound absorption characteristics for optimal noise reduction.

The innovative ECO hanging system for the absorber represents a revolution in industrial sound control.
The Bafflesorption are hung in rows by means of steel cables which are suspended horizontally between two walls.
The absorbers are strung onto the steel cables from the wall outwards, so limiting the need for scaffolding during installation.





1 Cable eye stiffener, galvanised, with cable leading, aluminium, galvanised.

2 Suspension turn-buckle bolt, galvanised.

3 Steel cable, galvanised, 2.5mm diameter.

4 Corkscrew-type suspension eyelet hooks, galvanised.

5 Spacer, 300mm standard length.

Building Material Classification
Fire rating for the acoustic baffles is Class 0 in accordance with BS 476.

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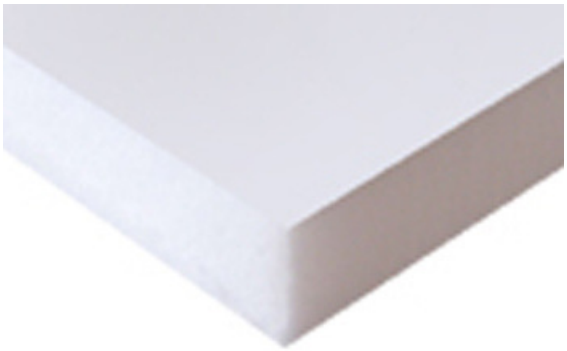
MELAMINE ACOUSTIC FOAM - Sound absorbing foam



Key Benefits

- Extremely lightweight and easy to cut / install
- Fibre and CFC free
- CLASS 0 fireproof
- Made of high sound absorbing melamine foam
- Subtle smooth finish
- Supplied in sheets 1200 x 1200 x 25, 50, 75mm thick

Description

Melamine based acoustic foam is a unique, flexible, open cell foam, possessing a combination of low weight with a Class 0 non-flammable fire specification and good sound absorption properties.

MELAMINE

Produced from melamine resins, Melamine foam exhibits superior fire, temperature and chemical resistance. Furthermore being halide free, Melamine foam when exposed to either naked flame or extreme heat does not emit any of the toxic bi-products associated with conventional polyurethane based acoustic foams.

FLEXIBILITY

Melamine's low density and flexibility provide a practical material, convenient to handle, easy to cut and install, either to original equipment or on-site projects. This outstanding versatility, coupled with choice of complimentary acoustic materials, e.g. damping sheets, barriers and facings, allows Melamine foam to be used in a wide range of industrial and commercial applications where superior reverberation control is required.

Please Note: Although a superb acoustic foam this material does tend to expand and contract due to temperature and humidity so allowances should be made if fitting to an exact space.

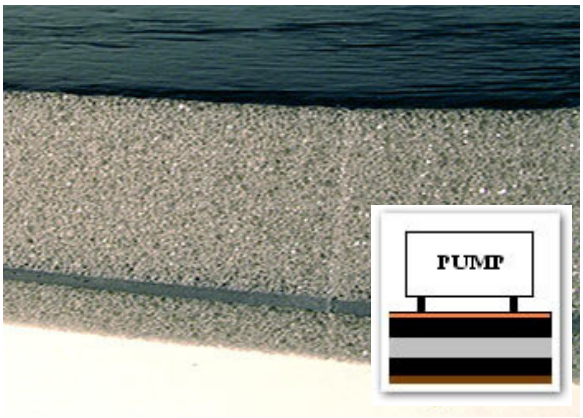
ACOUSTIC PERFORMANCE

MTL	ABSORPTION COEFFICIENTS					
THK	125	250	500	1000	2000	4000
(mm)	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
30	0.06	0.09	0.25	0.56	0.8	0.95
50	0.08	0.20	0.55	0.9	1	0.92

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

Sound Service (Oxford) Ltd, Crawley Mill, Witney, OX29 9TJ Tel: 0845 363 7131 - Fax: 0845 363 7151
www.soundservice.co.uk

ENCLOSURE KITS - Sound reducing kit designed to silence noisy enclosures



Key Benefits

- Effective reduction of airborne noise for machinery covers and enclosures.
- Easy to install with step by step instructions
- Reduces vibration from pumps and other small noise sources.
- Available from stock

Description

Our Acoustic Enclosure Kits are ideal for controlling noise by reducing the reflection of sound from boundary surfaces thus reducing the overall noise levels. Using a kit will greatly help you comply with the Control of Noise at Work Regulations.

The kits below are designed to be installed within a secure enclosure. We would advise making this enclosure with MDF or an equally solid mass material. The kits are easy to install and come with detailed fitting instructions. The main Acoustic foam, SA25FF/B/6 adheres to the inside of the enclosure using our Sta-Put special aerosol contact adhesive and the pump or noise source sits on the Vibration Pad. Full install instructions can be seen on our website.

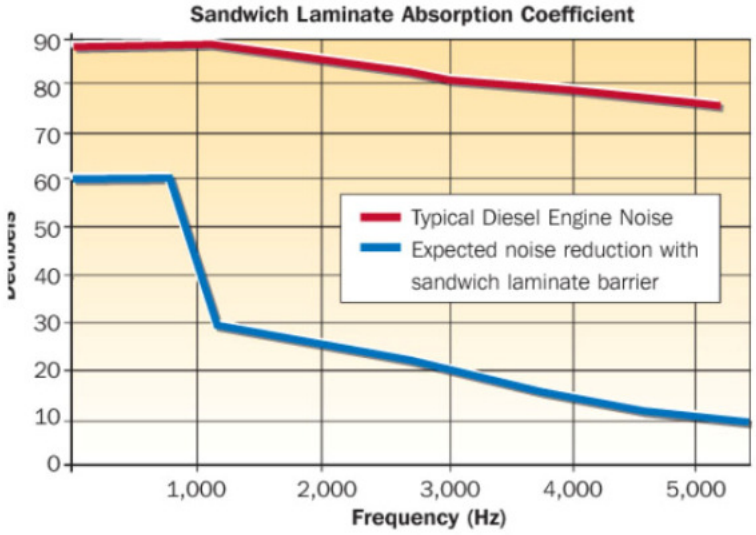
Our Small Pump Kit contains:

1 x sheet of SA25FF/B/6

1 x panel of Vibration Pad

1 x can of Sta-Put Adhesive

1 x Set of fitting Instructions (Suitable for small domestic pumps)



Our Large Pump Kit contains:

4 x sheets of SA25FF/B/6

2 x panels of Vibration Pad

2 x cans of Sta-Put Adhesive

1 x Set of fitting Instructions (Suitable for larger commercial pumps or other noisy equipment)

IF YOU REQUIRE EXTRA MATERIALS THESE CAN BE PURCHASED INDIVIDUALLY FROM US.

Applications for the Enclosure Kits would be;

Machinery enclosures, small pumps such as showers, plant machinery, compressors, office equipment and domestic appliances. If you have a noise problem and want our advice call 0845 363 7131 before ordering.

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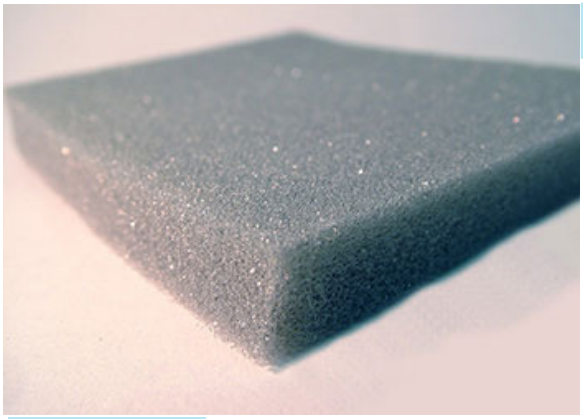
ACOUSTIC FOAM - Sound absorbing foam



Key Benefits

- Effective airborne absorption for machinery covers and enclosures.
- Easy to cut with a knife.
- Self-adhesive option available or stick with our special spray adhesive.
- Available from stock 12mm or 25mm thick.
- Complies with fire rating FMVSS 302
- Supplied in sheets 1.5m x 1m x 12 or 25mm thick
- Available from stock

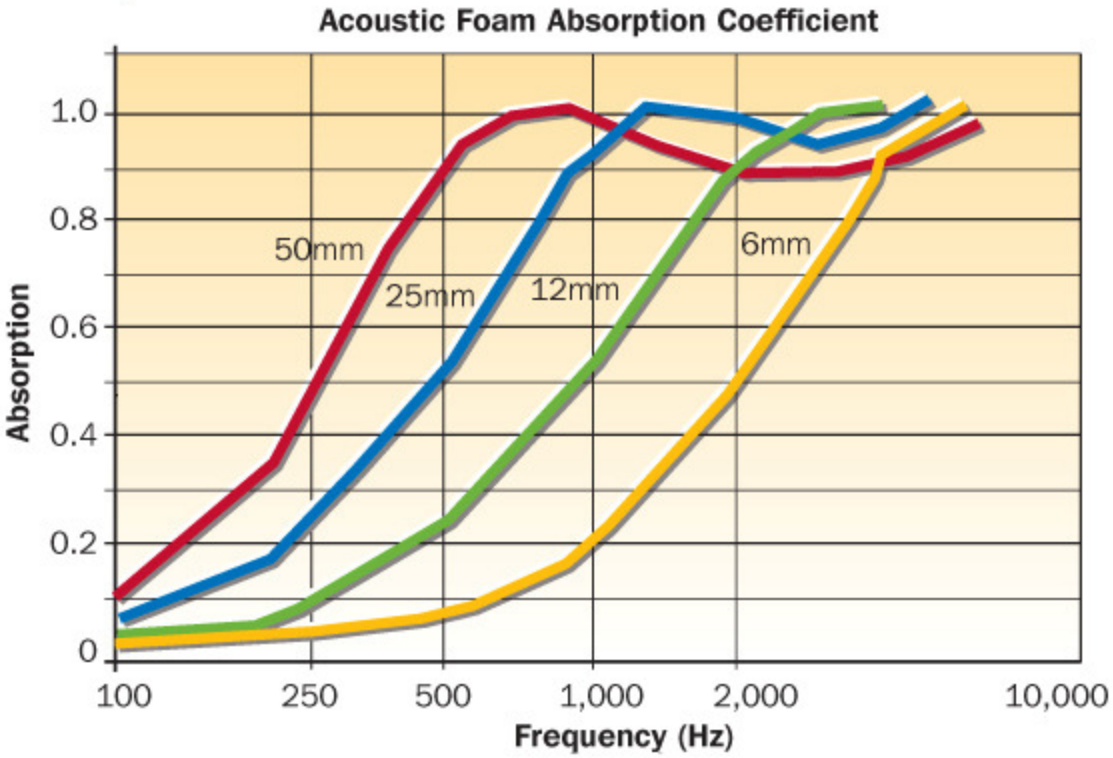
Description

Sound absorbing acoustic foam for controlling airborne noise by reducing the reflection of sound from boundary surfaces thus reducing the overall noise levels. Also useful for complying with the Control of Noise at Work Regulations.

Applications

Acoustic Foam is found in a wide variety of noise control treatments such as machinery enclosures, plant machinery and cabs, office equipment and domestic appliances. Acoustic foam is normally employed as an internal lining to machinery guards or enclosures. Also available with a tough polyurethane film face to protect from dust and fluid contaminants. Please call 0845 363 7131 to enquire.

The absorption element of Acoustic Foam is provided by a special grade of polyurethane foam produced to an exacting structural specification for maximum sound absorption.



Supplied plain or with a self-adhesive backing.

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FIRE RETARDANT ACOUSTIC FOAM - Sound absorbing foam

Key Benefits

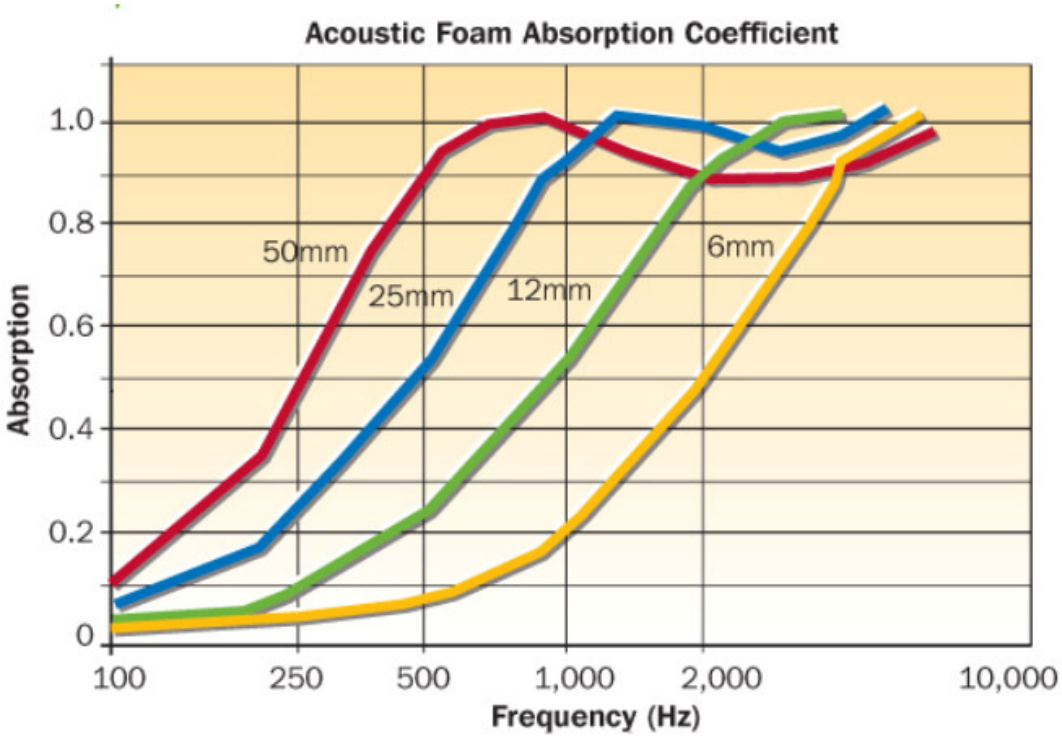
- Effective airborne absorption for machinery covers and enclosures.
- Easy to cut with a knife.
- Self-adhesive option available or stick with our spray adhesive.
- Class 0 fireproof
- Supplied on a roll 1.5m x 1m x 12 or 25mm thick
- Available from stock

Description

Fire retardant sound absorbing foam is totally non-flammable. It can be used in the same way as ordinary acoustic foam but is far more versatile. It is of particular use in heating and ventilation ducts, machinery guards and enclosures and even buildings. It also offers good thermal insulation and has the advantage over other types of insulation of not losing dust or fibre particles.

Our fire retardant acoustic foam is based on a remarkable cellular bi-elastomer, which is incapable of supporting combustion, and will protect other materials from a wide range of dangerous ignition sources. The material is soft, pliant and resilient therefore, making it easy to fit.

Suitable Applications - Machinery enclosures, office equipment, domestic appliances, internal lining to guards & enclosures, motor vehicles and many other applications.



Supplied plain or with a self-adhesive backing.

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FOAM LAMINATES - Sound absorbing foam with a sound barrier core

Key Benefits

- Effective airborne absorption for cavities and enclosures.
- Easy to cut with a knife.
- Easy to stick with our special aerosol adhesive.
- Easy wipe clean surface
- Supplied on a roll 1200 x 900 x 32mm thick
- Available from stock

Description

A sandwich construction comprising both a 6mm and 25mm thickness of specially formulated sound absorbing foam each side of a mineral loaded polymeric sound barrier.

This composite is specifically designed to reduce noise pollution from enclosed areas where a high degree of soundproofing is required combined with resistance to wear and tear.

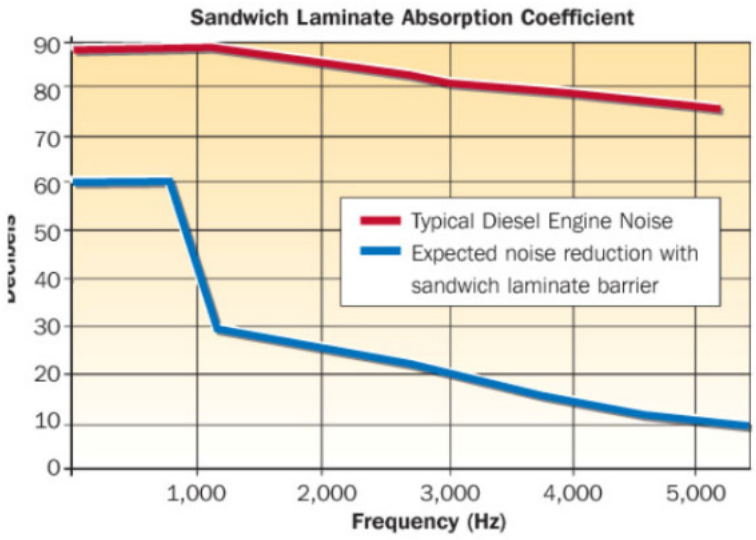
The laminate comprises a sandwich construction using both 6mm and 25mm thickness of specially formulated sound absorbing foam each side of a mineral loaded polymeric sound barrier. The thicker layer of foam is protected by a thin, very tough polyurethane skin. This polyurethane skin is a tough, oil and water resistant coating protecting the surface of the insulation and can still give effective sound absorption wherever internal engines or hydraulic power packs are used without the problem of liquid or dust contamination of the foam.

Applications

Marine engine compartments, hydraulic power pack enclosures, compressor housings, plant machinery and many more. The insulation is simply glued into position on the inside walls using any suitable contact adhesive. However, if the product is to be inverted, due to the heavy weight of the insulation, it is recommended it is also secured with additional mechanical fixings.

Flammability

FMVSS 302 Self Extinguishing BS4735



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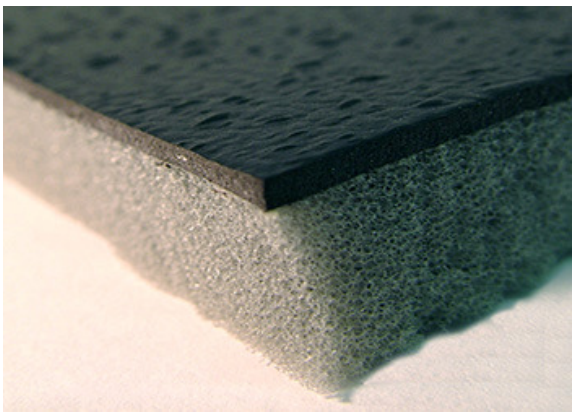
SAPT220 SPACED LAYER SOUNDPROOFING MAT



Key Benefits

- Effective airborne absorption for small cavities and enclosures.
- Easy to cut
- Ideal to line metal panelling such as vehicle bulkheads and foot wells.
- Scratch and fluid resistant coating
- Supplied on a roll 1.25m x 3m x 13mm thick
- Available from stock

Description

Sound absorbing foam with a mineral loaded sound barrier layer.

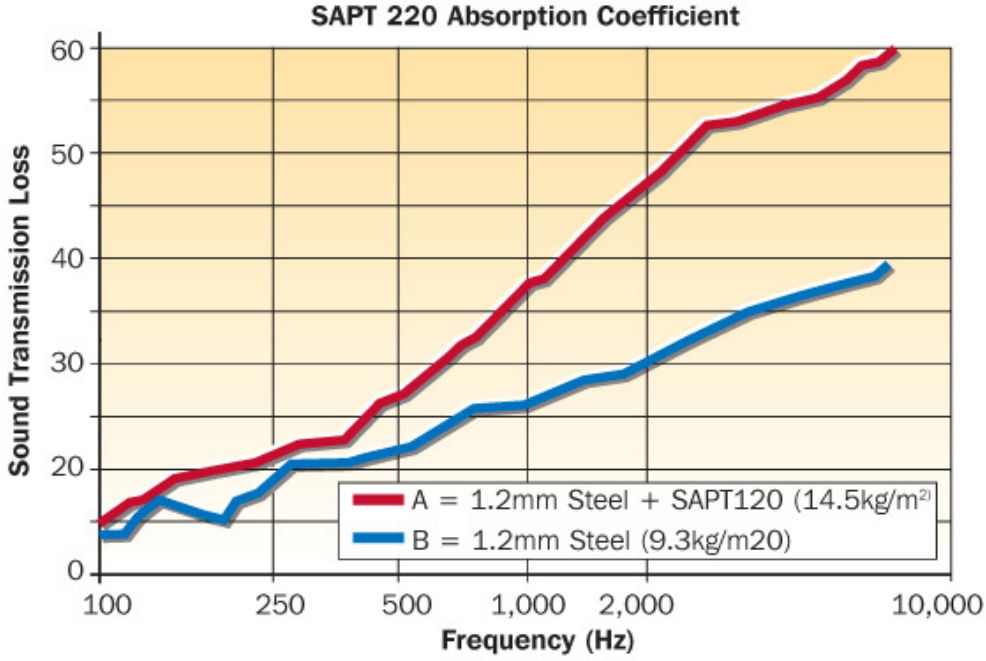
The SAPT-220 is particularly useful for insulating:

- Pipes
- Ducts,
- Vehicle bulkheads and floors
- Hoppers and machinery enclosures.

SAPT220 Spaced Layer Soundproofing Mats employ self-extinguishing components and are primarily intended for the improvement of the sound insulation of sheet metal that resonates above 350Hz. These mats are particularly useful for insulating pipes, ducts, vehicle bulkheads and floors, hoppers and machinery enclosures.

SAPT220 resembles the SBM5 soundproofing mat except that one side has an additional layer of sound absorbing acoustic foam. This product also has a scratch resistant water-proof skin on the sound barrier side.

Our PVC tape can be used to seal joints if required.



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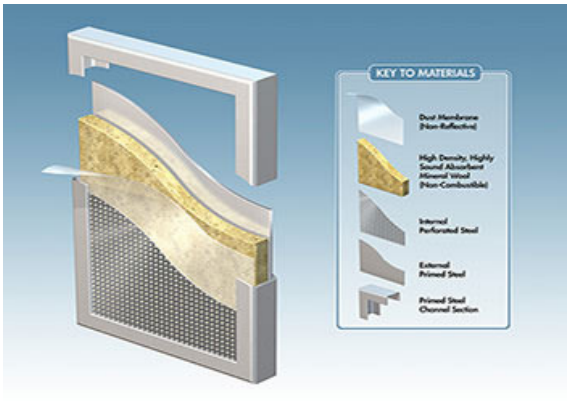
SOUNDBUSTER - Freestanding industrial sound absorbing screens



Key Benefits

- Freestanding, easily moveable acoustic screens.
- Acts as a sound barrier and sound absorber
- Also available on castors
- Easily wiped clean
- Non Flammable
- Supplied in sizes up to 1.2m x 2.5m high x 50mm thick

Description

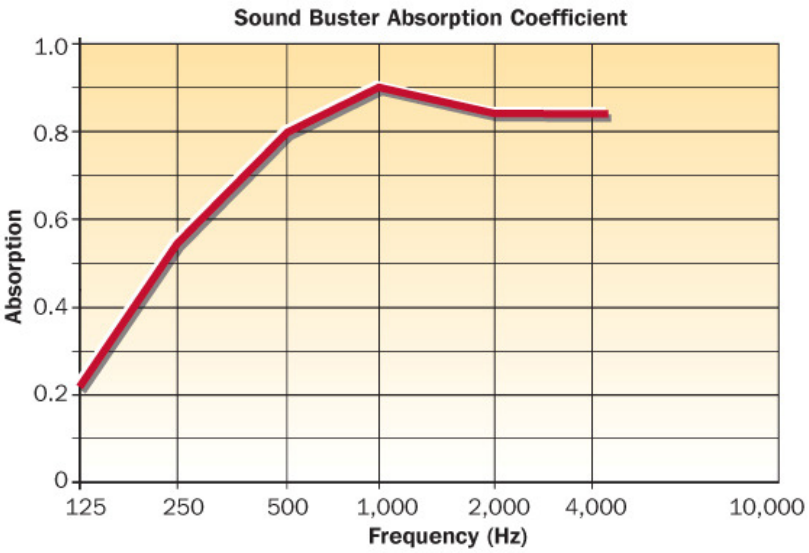
Our Soundbuster acoustic screens have exceptional sound reducing performance.

Supplied as a single sided acoustic unit with an internal sound absorbing core. These have two sound reducing functions. It reduces direct sound transmission from one work zone to another by acting as a sound barrier and it absorbs noise, thus reducing reverberant sound reflections into adjacent work areas. These sound protecting screens can also be arranged to form a box around a noisy object and are easily cleaned.

Manufacture

The screens are constructed from 18 swg pre primed sheet steel with perforated pre-galvanised 22 swg sheet steel face having a minimum 30% open area. They are infilled with non-flammable sound absorbing mineral wool protected with a non-light reflective dust membrane. They are available freestanding or on castors and can be easily stacked or wheeled away when not in use.

Soundbuster acoustic screens are supplied with a grey primer finish ready for painting by the customer.



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ACOUSTIC FABRIC - *An woven acoustic fabric for covering absorbers*

Key Benefits

- Allows for better sound absorption
- Easy to cut with scissors
- Class 1 fireproof
- Can be cleaned with a cloth or vacuumed.
- Available in 40 colours
- Supplied off the roll per metre, 1.7m wide. (Min order of 5 metres.)
- Usually available from stock depending on colour required

Description

Our open weave acoustic fabric allows sound to pass through it. We use this fabric to cover many of our acoustic screens and panels and due to its popularity are now pleased to say we can supply it by the metre off the roll.

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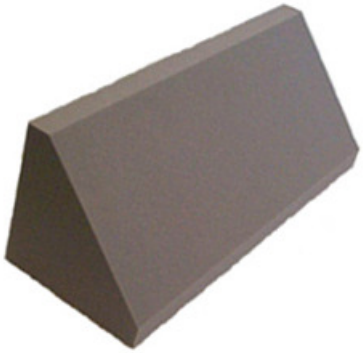
ACOUSTIC CORNER TRAPS - *Reduce corner reverberation & increase music quality*



Key Benefits

- Helps provide a clearer sound for your mix
- Reduces corner reflections.
- Can help reduce bass reverberation in the room.
- Made from flame retardant foam.
- Sold in Pairs.
- Available from stock

Description

When you are recording or mixing your music you need to listen to the music and not the room!!

Low-end frequencies have longer wavelengths. These wavelengths have a lot of strength and are not easily absorbed. This means that usually thicker and more sound absorbing foam is necessary to absorb these frequencies. This is why our traps are necessary for any room that is going to be used for recording, mixing or practising. Add to that the fact that the low end frequencies tend to build up in the corners of a room so acoustic corner traps help to absorb this build up of low end frequencies thus making the music easier to appreciate. Most studios do not have the space or funds available to be able to treat the whole wall with thick, bass trapping foam and you wouldn't want to do that either. Noise can be 6-12dB louder in a corner than in any other part of a room and this is why the installation of our acoustic bass corner traps are so beneficial

These traps do not soak up all the low-end frequencies in your room. What they do is help to better define the low frequencies bringing them under control and easier to recognise. This in turn helps you to achieve better results in your recordings.

If a person is having trouble with the music sounding good in the studio but terrible in another room they should install our Acoustic traps. The situation just mentioned is a common problem and can easily be solved with the use of these traps. They are not expensive and it's not necessary to fill the entire room with them.

With correct installation in the right places low-end frequencies are tightened and excessive colouration is removed.

Is the foam flame-retardant?
Yes. It meets the requirements of schedule 1, part 1 the Furniture and Furnishings (fire) (safety) Regulations 1988 (amended 1989). Also no CFC's of HCFC's are used as alternative blowing agents in the manufacture of these foam grades, all water blown technology is used. No brominated compounds are used in the manufacture of these foam grades.

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MUSIC ISOMAT - *Reduce speaker vibration & increase the quality of your music*

Key Benefits

- Helps provide a clearer sound for your gig
- Can take up to 140 kg in weight.
- Helps reduce speaker vibration
- FVMS302 Fire Rated
- High density at 80kg/m^3
- Ideal for home cinema use
- Available from stock

Description

The Music Isomat is a heavy duty isolation mat. It can withstand 140kg (308lb).

It is designed to isolate your home cinema subwoofer, gig or PA equipment.

The mat is 20" (508mm) by 15" (381mm) and 3.5" (89mmm thick.)

They can be used on their own or placed together if you have a large area to isolate.

Available in light grey only.

If you are looking for smaller monitor isolators please have a look at our *"Speaker Isolators"* sheet.

Is the foam flame-retardant?
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SPEAKER ISOLATORS - *Reduce speaker vibration & increase the quality of your music*

Key Benefits

- Helps provide a clearer sound for your mix
- Can take heavy loads
- Help reduce speaker vibration
- In sloped or flat design.
- Made from flame retardant foam.
- 4 per pack
- Available from stock

Description

When you are recording or mixing your music you need the room and the equipment in that room to be totally isolated in the area where it is mounted.

These Speaker Isolators help you to do that. They are made of high density flexible foam capable of withstanding heavy loads yet maintaining stability. By decoupling your speakers the quality of the music will be enhanced due to the reduction of vibration from the speakers and any furniture they may be mounted on.

This effectively stops the furniture around the speakers from clouding the mix and also helps reduce reverberation that comes from nearby furniture. There are 4 pads per pack and are available in light grey only. They can be sloped or flat. Please specify which set you would like when ordering.

We also supply larger speaker isolators called the *"Music Isomat"* Please see separate sheet.

Is the foam flame-retardant?
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Sound Service OXFORD Ltd

Soundproofing to shout about

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