


Soundproofing Products Portfolio

OXFORD Ltd
sound service
Soundproofing to shout about



October 2008

SBM5 SOUNDPROOFING MAT - Barrier mat for use on walls and floors

Key Benefits

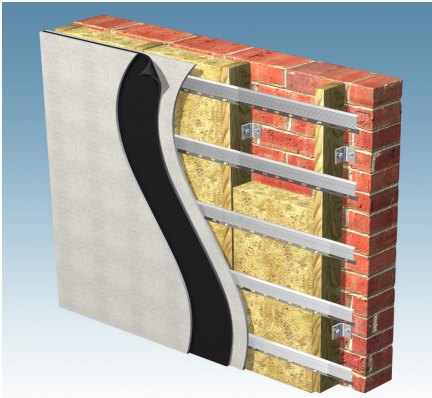
- Ideal for use as a de-coupler between plasterboard
- Blocks airborne sound as well as a sheet of lead
- Significantly increases the mass of any panel or board
- Easy to cut and install
- Minimum insulation value of 24db
- Supplied on a roll 1.8m x 1.2m x 2mm thick
- Available from stock

Description

A thin, effective, mineral loaded soundproofing mat designed to reduce airborne noise transmission through stud partitions and timber joisted floors.

SBM5 is a heavy layer mineral loaded soundproofing mat nominally 2mm thick with excellent sound insulating qualities which will give significant sound loss improvements to lightweight structures when used as a sound barrier layer.

It is equal to lead of the same mass in effectiveness and acts as a thin de-coupling sound barrier in stud walls and timber floors. If you are suffering from a small amount of noise, several layers of SBM5 installed onto your floor will be the solution. Also effective at reducing loud and bass noise when used as a decoupling layer between plasterboard as part of a separating wall soundproofing treatment as described below.



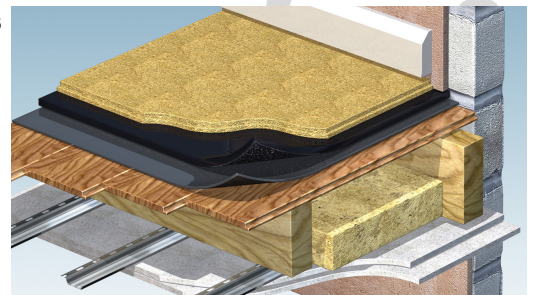
If you are experiencing loud noise such as music from the other side of a wall, we recommend using the soundproofing mats with our resilient bars and Acoustic Plasterboard. The soundproofing mat is sandwiched between two layers of the plasterboard which in turn are screwed into the bars which are supported by insulated timber stud. See our Resilient Bar information for more details.

Alternatively you can stick them directly to a wall before adding further plasterboard. This will help reduce the sound but ideally you would use one of the systems above for a better result or our M20AD system.

Normally fixed to original panels of metal, wood and plasterboard etc, this acoustic mat is particularly effective at improving the sound insulation value of timber floors and stud partitions.

Use on Floors

Two to three layers glued onto timber floors will dramatically reduce airborne noise penetrating the floor from below or airborne noise you are creating being transmitted from above. But does **not** significantly reduce any footfall or impact noise.



Special Spray Adhesive

For ease of bonding, we advise using our Sta-Put special aerosol adhesive when fixing these soundproofing mats. Please ask about quantities needed when ordering.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

Sound Service (Oxford) Ltd, Crawley Mill, Witney, OX29 9TJ
www.soundservice.co.uk

Tel: 0845 363 7131 - Fax: 0845 363 7151

ACOUSTICEL M20AD - Thin Soundproofing Panel for Walls

Key Benefits



- Significantly reduces airborne noise through a wall.
- Made from 97% recycled rubber
- Minimum loss of wall space (Less than 2 inches or 50mm)
- Effective on lightweight and single skin walls.
- Easy and clean to install.
- Complies with PART E building regulations.
- Supplied in a tile form 1m x 1m x 20mm thick
- Available from stock

Description

A recycled rubber wall panel designed to upgrade the sound insulation properties of party walls in the home and all types of domestic properties. The ideal solution to insulate a noise from neighbours with a minimum loss of room space using this thin concept for soundproofing walls.

M20AD is designed to absorb and reduce the amount of airborne noise which penetrates poorly insulated party walls. Easy to fit, this 20mm thick insulation is simply glued to the existing wall with two layers of 12.5mm plasterboard bonded on top and is an easy DIY solution if you are disturbed by noise from your neighbours.

It is ideal for insulating walls, separating stairs and hallways where space is at a premium. Particularly useful for meeting Part E building regulations for airborne noise control through most walls with limited space.



Using this system you will get a Sound insulation value of 48dB DnT, W+Ctr on a single skin brick wall which is approx. an 87% reduction in sound transmission.

Please note: This insulation is effective at reducing noise levels, that should not normally be heard, for example talking, normal levels of radio and TV sound. Loud music and bass noise will always be audible although its intensity will still be reduced.

ISOLGOMMA M20AD is made in Italy by Isolgomma. These products are imported exclusively by Sound Service (Oxford) Ltd and are all made from recycled materials.

Isolomma are dedicated to the design and development of effective and eco friendly sound insulation materials.

Sound Service has been supplying these products in the UK for over 20 years.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

ACOUSTICEL R10 - Floating Floor Isolation For Timber Floors



Key Benefits

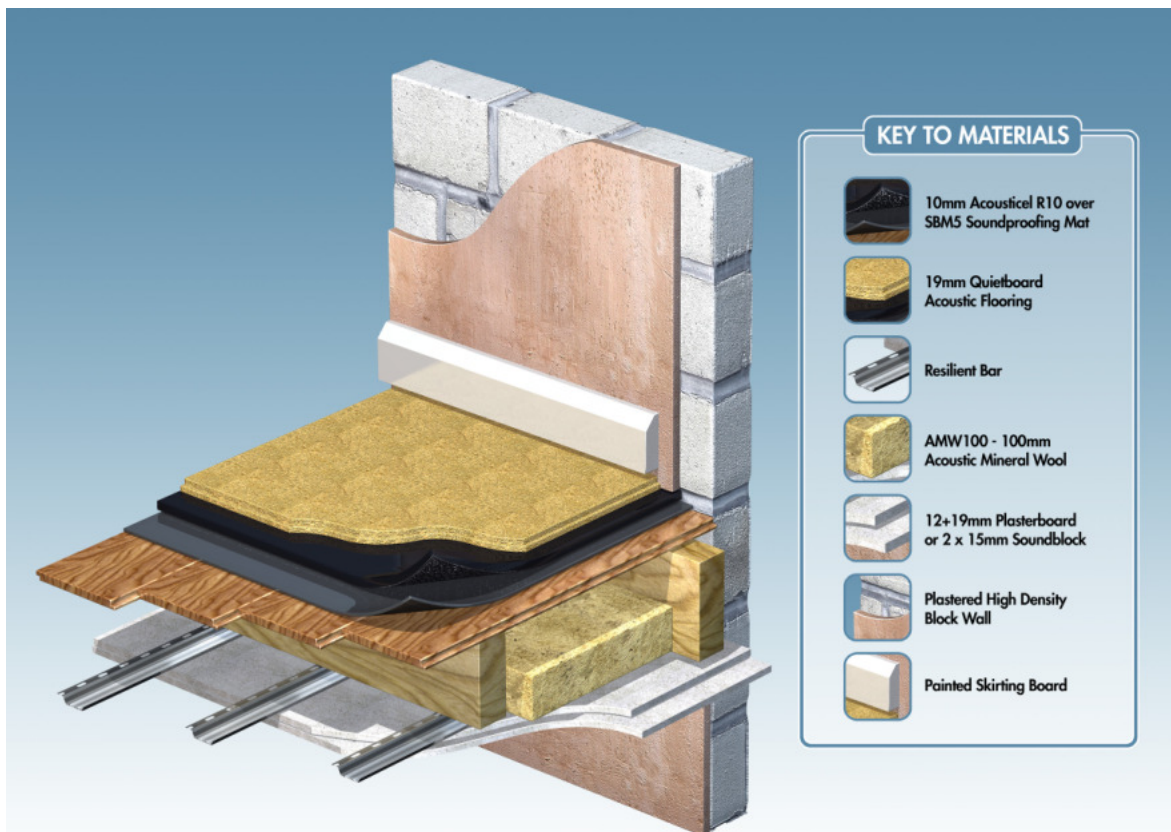
- Produced from 95% recycled rubber
- Easy to cut and install
- Only 10mm thick
- PART E compliant
- Dramatically reduces footfall noise through a timber floor
- Supplied in rolls 5m x 1m x 10mm thick
- Available from stock

Description

A recycled rubber soundproofing for floors engineered to reduce impact noise through a timber separated floor and specifically designed to help bring a timber suspended floor into Part E compliance for separating floors between new flats.

Independently tested, this acoustic insulation is the popular choice for all flat conversions and complies with the latest Part E Building Regulation requirements.

This unique resilient mat is also ideal for soundproofing a floor in existing flats, homes and a wide variety of other domestic uses and should be used to create an independent floating floor to reduce impact and airborne noise nuisance.



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ACOUSTICEL G8 - Floating Floor Isolation for Concrete Screeds



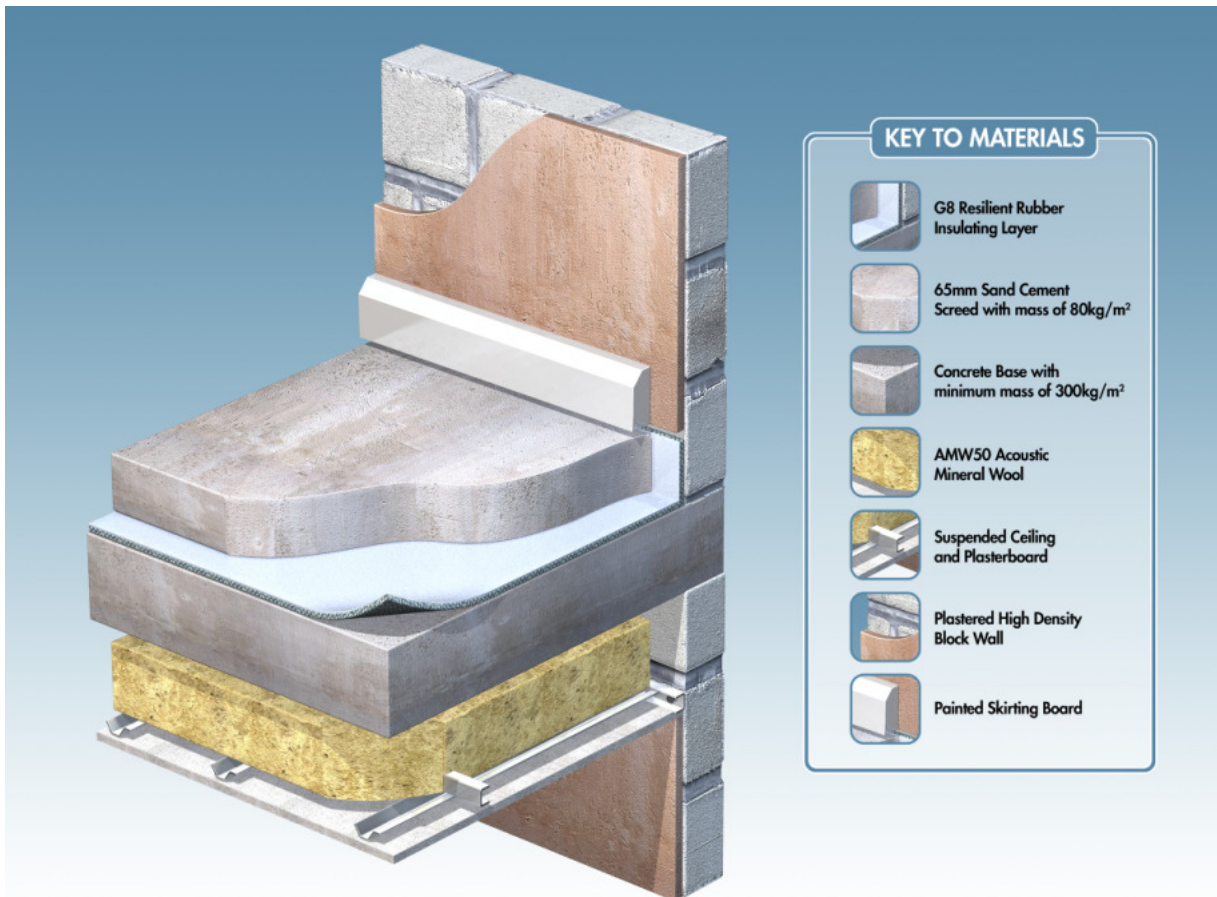
Key Benefits

- Complies with PART E building regulations
- Made from 96% Recycled Rubber
- Only 8mm thick
- Can be used under concrete screeds or timber decking
- Supplied in easy to carry and install rolls
- Supplied 5m x 1m x 8mm thick on a roll
- Available from stock

Description

Designed specifically by Isolgomma in Italy to form the sound-absorbing layer beneath concrete screeds for the reduction of impact noise. This unique resilient insulation gives superior sound loss performance and is suitable for inclusion in most concrete floor constructions.

This mat is engineered to give maximum reduction of impact noise through concrete floors. Independently tested, this sound insulation has been proved to comply with the latest Building Regulation requirements for separating floors as detailed in the Approved Document E, in particular with regard to the following:



Maximum dynamic stiffness - Minimum thickness under loading Weighted reduction in impact sound pressure level (ΔL_w) of not less than 29dB

A typical installation is as shown in the illustration left.

Supplied in rolls composed of granulated extra resilient EPDM rubber bonded to a tough, non-woven waterproof backing.

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QUIETBOARD - A Waterproof, Cement Impregnated Acoustic Floor Board

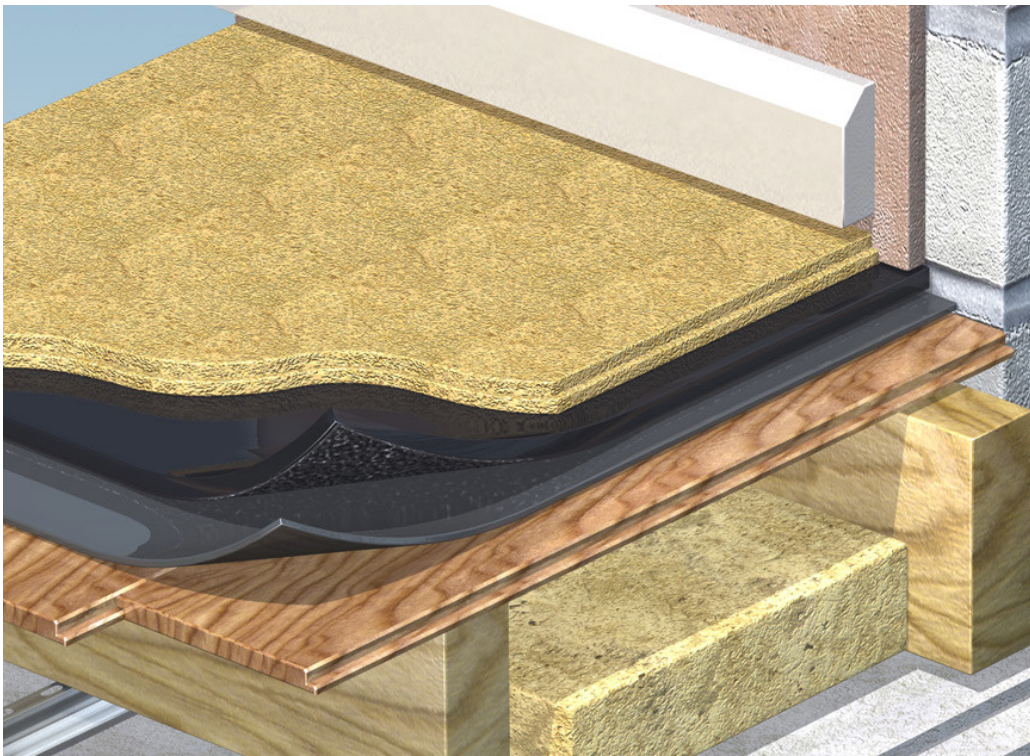


Key Benefits

- Will help meet PART E regulations when used with our other products.
- Made from 75% recycled wood pulp
- Exceptional sound control due to its ultra high mass
- Suitable for both concrete and timber floors.
- Easy to install tongue and grooved boards.
- Easily sawn with diamond or tungsten tipped blades.
- Non Flammable
- Supplied in slabs 1.2m x 0.6m x 19mm thick.
- Available from stock

Description

QuietBoard is a revolutionary, waterproof, cement impregnated high-density acoustic floor panel designed to reduce the airborne noise transfer through separating floors.



QuietBoard installed on top of our Acousticel R10 resilient insulation (As shown left) provides a very efficient and stable floating floor.

QuietBoard Acoustic Flooring is a much higher density product constructed from two well established building materials, wood particles and cement. It is quick to install and easily cut to size using either tungsten or diamond tipped saws.

QuietBoard is a very dense product, and both faces have a hard smooth flat surface. They are non-toxic, contain no flammable materials and generate no toxic fumes during combustion.

QuietBoard is usually delivered secured in plastic wrapped and edge protected pallets. When loose boards are transported they must be laid flat and fully protected with a waterproof sheet.

When manually moving QuietBoard, it must be carried in a vertical position. Storage - QuietBoard should be stored flat on levelled supports at 800mm centres. It must never be stored on edge or upright. If outside, a protective plastic sheet must be secured to protect the product from the elements.

QuietBoard has an ex-works moisture content of 9% \pm 3% and is in equilibrium when the temperature is 20°C with a relative air humidity of 50-60%. QuietBoard adapts to the ambient humidity level, therefore, to adjust to its working conditions it should be allowed to acclimatise for 24-48 hours prior to fixing.

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(Syl) LINOROLL-5 - Impact reducing acoustic underlay for vinyl**Key Benefits**

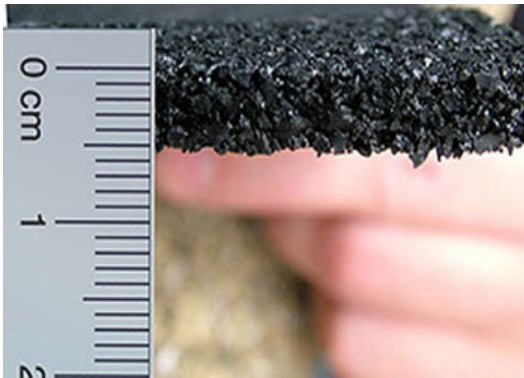
- Produced from 98% recycled rubber
- Easy to cut and install
- Only 5mm thick
- Dramatically reduces footfall noise through laminate floors and vinyl
- Supplied on a roll 10m x 1.25m x 5mm thick
- Available from stock

Description

A black recycled rubber sound proofing layer for floors, engineered to maintain stability and reduce impact noise when used under a Lino floor.

To Treat Impact noise Only

Ensure all floorboards are securely laid. Use our Acoustic Sealant to seal between the joists and around the floor perimeter. Open the roll and lay from wall to wall gluing down with our Sta-Put aerosol adhesive. Butt joint sections where necessary. Do not overlap. Then lay your new vinyl flooring floor on top as usual using more adhesive if required.

**To Treat for Impact Noise and Airborne Noise**

Infill in the cavity with our Acoustic Quilt or Acoustic Mineral Wool then lay the floorboards back down. Use our Acoustic Sealant to seal between the joists and around the floors perimeter. Lay two layers of our Soundproofing Mat directly on top of the floorboards. Make sure the second layer is laid in the opposite direction to the first layer.

Open the (Syl) Linoroll 5 and lay from wall to wall. Use our Special Spray Adhesive to adhere the roll to the Soundproofing mats and butt joint sections where necessary. Do not overlap. Finally lay your Lino floor on top.

Impact sound reduction improvement (Lw) of 16 db

ISOLGOMMA (Syl) Linoroll-5 is made in Italy by Isolgomma. These products are imported exclusively by Sound Service (Oxford) Ltd and are all made from recycled materials.

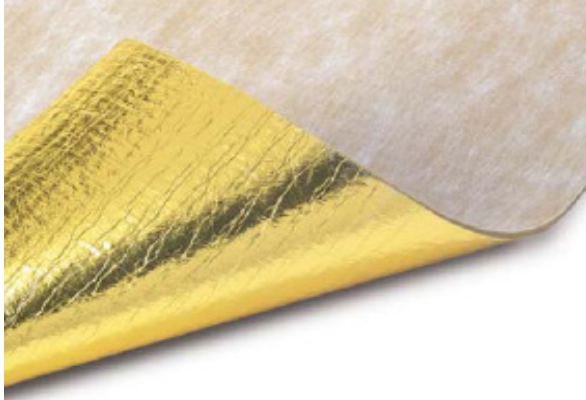
Isolomma are dedicated to the design and development of effective and eco friendly sound insulation materials.

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ACOUSTIC LAMINATE UNDERLAY - To reduce impact noise under laminate floors



Key Benefits

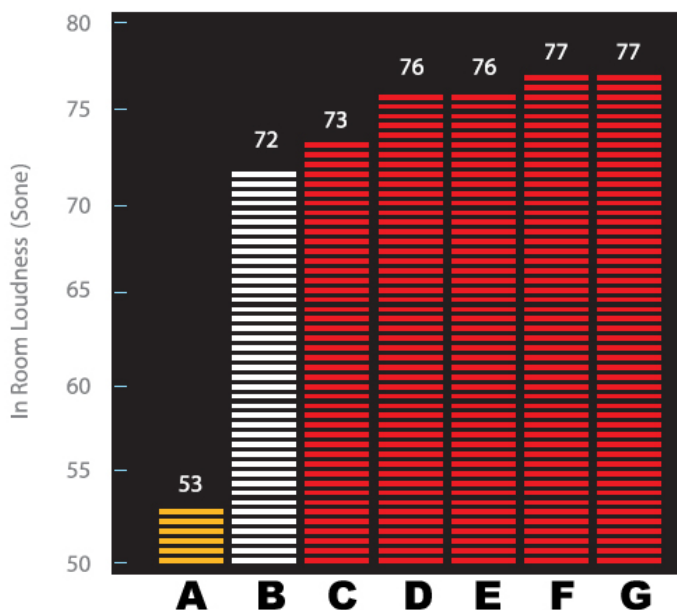
- Superior impact reduction when used beneath laminate or wood floors
- Independently tested to produce a rating of 53 SONE
- Suitable for use with underfloor heating
- Incorporates a Vapour barrier, eliminating the need for extra moisture protection such as polythene sheeting
- Prevents overstraining of wood and laminate boards
- Simple, quick and easy to install
- Supplied on a roll 11m x 1.37m x 4.2mm thick
- Available from stock

Description

Our Acoustic Laminate Underlay is designed specifically to reduce the impact noise (walking/footfall) created when walking on a laminate, engineered wood and other thin, solid timber floors. When you walk on these surfaces a large amount of impact as well as airborne noise is created (due to the hard surface) this can often be a nuisance to the people living below.

The Laminate Underlay is made up of a 4.2mm layer of high density resilient rubber sponge with a foil faced moisture barrier laminated to one side. It can be easily cut with a knife or scissors and if used in conjunction with our soundproofing mats it will provide both impact AND airborne noise reduction through the floor with minimal height rise.

ACOUSTIC PERFORMANCE



- A = Sound Service's Acoustic Laminate Underlay
 B = No Underlay
 C = Common PU Acoustic Underlay
 D = Well known combination Acoustic Underlay
 E = Well Known wood fibre underlay tiles
 F = Well known transitional sound acoustic underlay
 G = Common polythene 2.50mm cell foam

The Drum Sound Test

The Drum Sound test is measured in 'SONE', a measurement of perceived loudness, scaled for human auditory sensitivities. The result of this test is simply shown as a SONE rating.

The test ratings confirm that our Acoustic Laminate Underlay significantly reduces 'in room' noise when used under wood and laminate flooring, due to their heavy mass, stability and 'stay put' qualities which help to absorb sound energy. The test shows 'in room' acoustics can worsen if inferior or lightweight underlays are used – putting a lightweight, air filled, cellular product under wood or laminate creates an echo chamber.....and more noise !

LOW SONE = LOW SOUND

The graph below shows comparison between several laminate acoustic underlays, widely sold in the UK and all tested to the SONE standard.

Weighted Impact Sound Improvement Index (Delta Lw) 27dB!!

This is a substantial improvement in impact noise transfer over not having any acoustic underlay and if soundproofing mats are used in conjunction as well then this figure will be even higher.

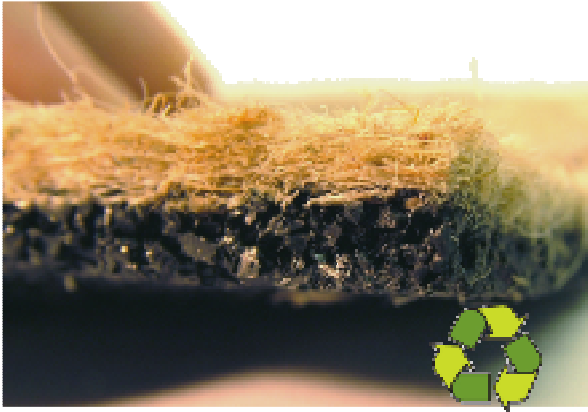
Sone wood/laminate flooring test

Drum sound emission (Overall loudness)

Typical 2.5mm PE Foam=77 Sone - this product tested at only 53 Sone!!

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A10 Acoustic Carpet Underlay - To reduce impact noise beneath a carpet



Key Benefits

- Suitable for use on concrete and timber floors
- Made from recycled materials
- Easy to install and cut
- Fireproof to BS.4790:1987
- Complies with PART E building regulations
- Significantly reduces impact noise through floors.
- Supplied on a roll of 11m x 1.37m x 10mm thick
- Available from stock

Description

Produced from recycled rubber and high grade felt, A10 Acoustic Carpet Underlay is designed for installation beneath carpets to give a superior reduction in impact noise through the floors below.

It is suitable for all types of floor surfaces including wood, concrete, asphalt and is particularly recommended on uneven floors.

A10 carpet underlay soundproofing is not designed to reduce airborne noise nuisance but some benefit has been obtained when pre-completion tested for Part E when bonded to the floor surface. Particularly useful as a solution for a failed pre-completion test when an improvement of only 1 or 2 dB is required.

For greater reduction of airborne noise, see our Quiet-Floor product.

However, on concrete floors, provided they have the required amount of mass (350kg/m²) the new Approved Document E regulations for both airborne and impact noise penetration through the floor will be met if A10 is glued to the floor surface with our special spray adhesive

Classification: Heavy Contract/Heavy Domestic BS 5808 Fitting should meet the British standard code of practice BS 5325, normally be undertaken by experienced fitters and should be laid rubber to the floor surface. Sub floors should be clean, dry and free of oil, grease and damp.



Impact Sound Improvement Index

ISO Method 140 part 8

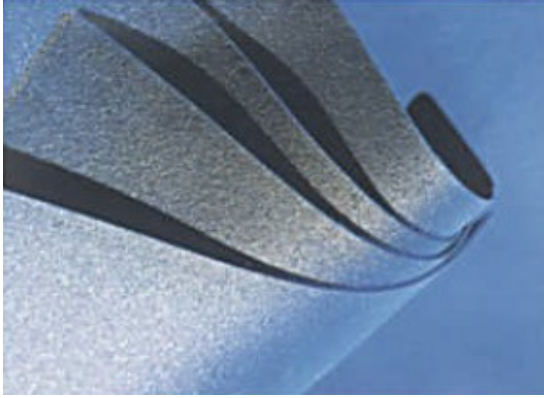
Delta Lw.34Db

This product meets the Part E building regulations standard for impact noise on a concrete floor.

The tested sample meets the requirements of BS.5808:1991(1996)

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ACOUSTIC MEMBRANE - Ultra thin sound barrier mat for use on ceilings



Key Benefits

- Only 1.2 mm thick
- Lightweight and durable and can be overlapped
- Ideal for use on ceilings
- Suitable for new build and conversions of homes
- Blocks out airborne sound better than lead
- Award winning soundproofing that complies to BSEN ISO 140.
- Supplied on a roll 10m x 1.5m
- Available from stock

Description

This innovative material utilises nano vacuum technology, synthetic rubber and special fillers producing a revolutionary acoustic membrane that substantially improves the sound insulation of plasterboard when used as a decoupler between two layers.

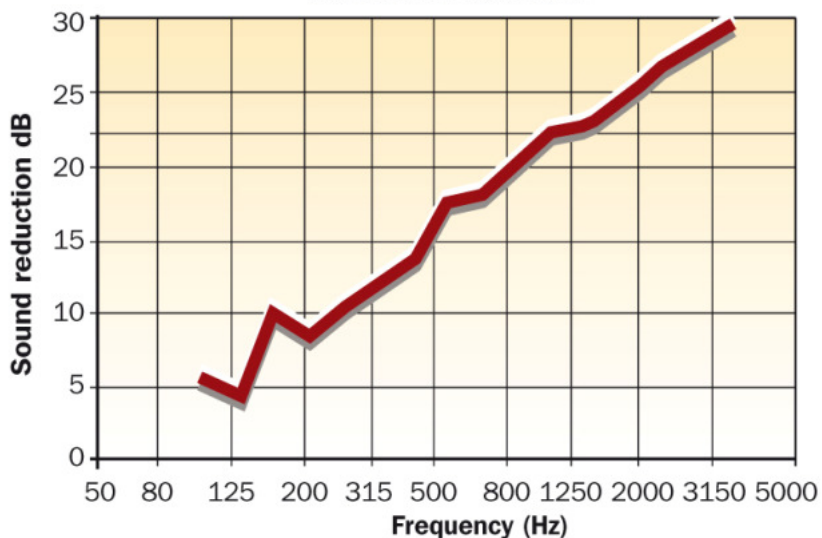
The Acoustic Membrane is only 1.2mm thick and provides minimum loss of room space for maximum noise reduction.

This award winning product is only 2Kg/ m² and is easy to handle and carry. Work on soundproofing a ceiling can now be carried out by a single person as the roll is simple to work with making for a quick, easy, home improvement product.

The membrane is easily cut and can be folded or bent around corners and edges to protect against flanking sound.

Not only is it versatile it boasts a very high Performance noise reduction of (22dB Rw) for minimal thickness and is well in excess of Part E of the Building Sound Regulations when used in conjunction with other materials.

Membrane Test Data



The membrane Complies with BSEN ISO 140.

ACOUSTIC MEMBRANE AWARDS

European Merit Award Winner for Research & Technology. 1999-2001

European Award for Support for Products Under Research. 2002-2003

DTI Most Innovative SME Award 2000.

Arena Network Most Promising Environment Products Award 2005

INSTALLATION

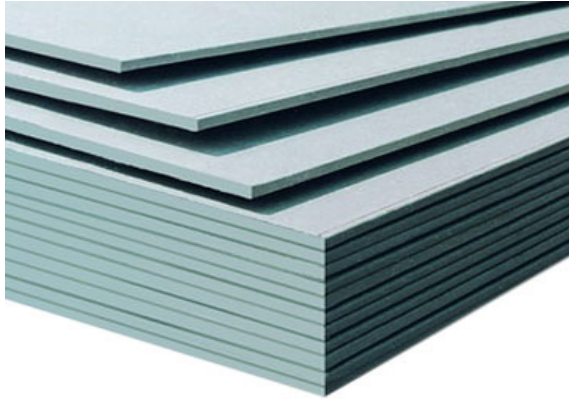
The membrane is normally fixed between plasterboard sheets using our special spray adhesive. If you wish to up-rate the performance we would advise stapling an additional layer over stud faces before plasterboard sheets are added. This gives the best performance but is nowhere near as good as the full resilient bar system.

CEILING

Fill in the cavity space with our Acoustic Quilt or Acoustic Mineral Wool before fixing the Resilient Bars under the joists. Your first layer of 12.5mm plasterboard is screwed into the bars then you would adhere a layer of acoustic membrane to the second layer of plasterboard and then screw through the whole system taking care not to screw into the joists. The membrane should be overlapped at any seams and can be adhered to the plasterboard before fixing to the ceiling.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

ACOUSTIC PLASTERBOARD - High Mass Wall and Ceiling Board



Key Benefits

- Significantly reduces airborne noise through walls and ceilings
- Performs far better than normal plasterboard
- Effective on lightweight and single skin walls
- Easy and clean to install
- Complies with BS EN520, Type A, D
- Supplied in a board form 2.4m x 1.2m x 20mm thick
- Available from stock

Description

THIS PRODUCT ON IT'S OWN IS NOT ENOUGH TO SOUNDPROOF A WALL OR CEILING TO CURRENT BUILDING REGULATION PART E REQUIREMENTS!

ACOUSTIC PLASTERBOARD IS DESIGNED TO BE USED WITH EITHER OUR RESILIENT BAR OR M20AD SYSTEM.

Acoustic Plasterboard is designed for use in areas where sound reduction is of particular importance. Its high mass helps block and absorb sound energy, giving enhanced acoustic performance to walls and ceilings. It complies fully with BS EN520 and is categorised as Types A, D.

Acoustic Plasterboard has a Thermal Conductivity figure of $k = 0.24\text{W/mK}$

Thermal Resistance:

12.5mm = 0.05m² K/W

15.0mm = 0.06m² K/W

Mass = nom. 950kg/m³

Performance Information When used with "C" Stud Partitions

Number of 12.5mm thick Layers	Stud Size & Gauge (mm)	Using Sound Service AMW & Acoustic Plasterboard and measured in dB (RW)
1	50 (0.55)	43
2		51
1	70 (0.55)	45
2		54
1	146 (0.55)	47
2		56

APPLICATIONS - Our high density Acoustic Plasterboard is particularly effective when applied to the underside of timber joisted ceilings, lightweight partition systems and when bonded to our M20AD soundproofing for walls.

Tapered Edge

Dimensions (mm)	Thickness	Width	Length
	12.5mm	1200	2400
	15mm	1200	2400
	19mm	600	2400

PLEASE CHECK WITH OUR SALES TEAM TO MAKE SURE THIS PRODUCT IS AVAILABLE IN YOUR AREA BEFORE ORDERING.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

ACOUSTIC QUILT - For reducing sound through cavities.



Key Benefits

- Made from 70% recycled material
- SRI: 22dB
- Only 52mm thick before compression
- High Acoustic Attenuation with a Class 1 fire rating
- Lightweight at 2.1Kg/m²
- Very flexible and easy to handle, Easy to cut and mould
- Available on a roll in two sizes.
- Available from stock

Description

Acoustic Quilt consists of two layers of 25mm sound absorbing fibreglass one each side of a 2Kg acoustic membrane that acts as a very efficient sound barrier.

It performs approx 4 times better than our Acoustic Mineral Wool because the sound barrier layer sandwiched in the middle blocks airborne sound better than lead.

The Acoustic Quilt exceeds the new Document E Resistance to the Passage of Sound making it an attractive product for modern building techniques when used to help meet Part E of the Building Regulations.

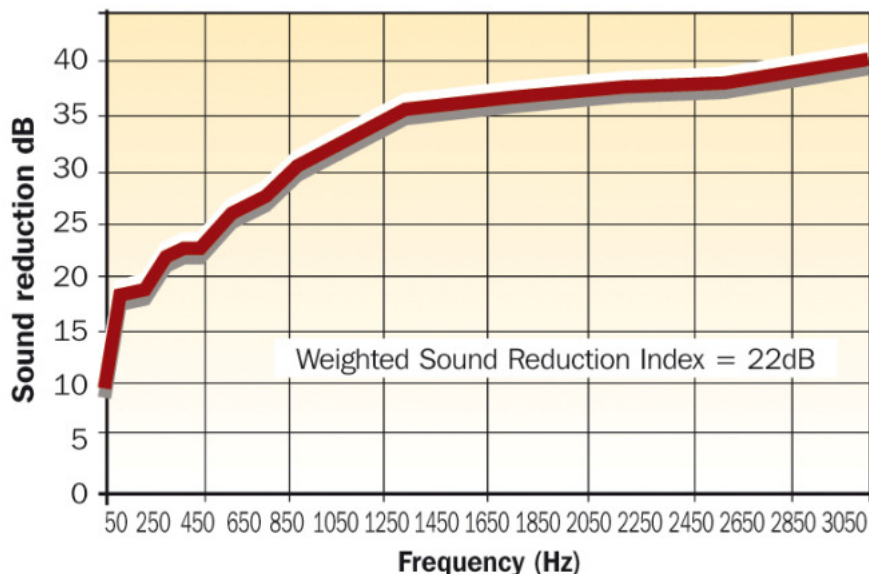
Acoustic Quilt can improve a typical 12.5mm partition by up to 16dB!

Acoustic Quilt can improve a typical floor section by up to 13dB!

Environmental Information.

The quilting used in this product is a glass mineral wool product, manufactured from silica sand, the Earth's most abundant naturally occurring mineral. Glass mineral wool is one of the most environmentally friendly insulation materials. Inorganic and completely inert, over 70% of the raw material used in the production process are recycled. This process does not include the use of CFC's, HCFC's or other environmentally damaging gases.

Acoustic Quilt Test Data



Roll Size: 5m x 0.6m or 5m x 1.2m

Coverage: 3m² or 6m²

Thermal Resistance (R Value): 1.43 m²K/W

Operating Temperature: -10° to +230°C

FIXING:

Acoustic Quilt is installed in a similar way to standard glass fibre rolls. When installing between floor joists its best to fold the quilt around a piece of wooden battening and screw or nail the battening into the sides of the joists. This will compress the Acoustic Quilt tight against the joists for the very best performance. Some contractors prefer to staple the quilt to the edges of the joists. If installing within a stud frame do the same fixing method to the header plate and the sides of the studs. (This product is ideal for providing a soundproofing layer above lightweight suspended ceiling grids.)

Please Note: this product is made with 25mm fibreglass either side of the membrane but due to being shipped in roll form it may be compressed overall to around 25mm but will recover when unrolled.

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ACOUSTIC MINERAL WOOL - For absorbing sound within cavities.



Key Benefits

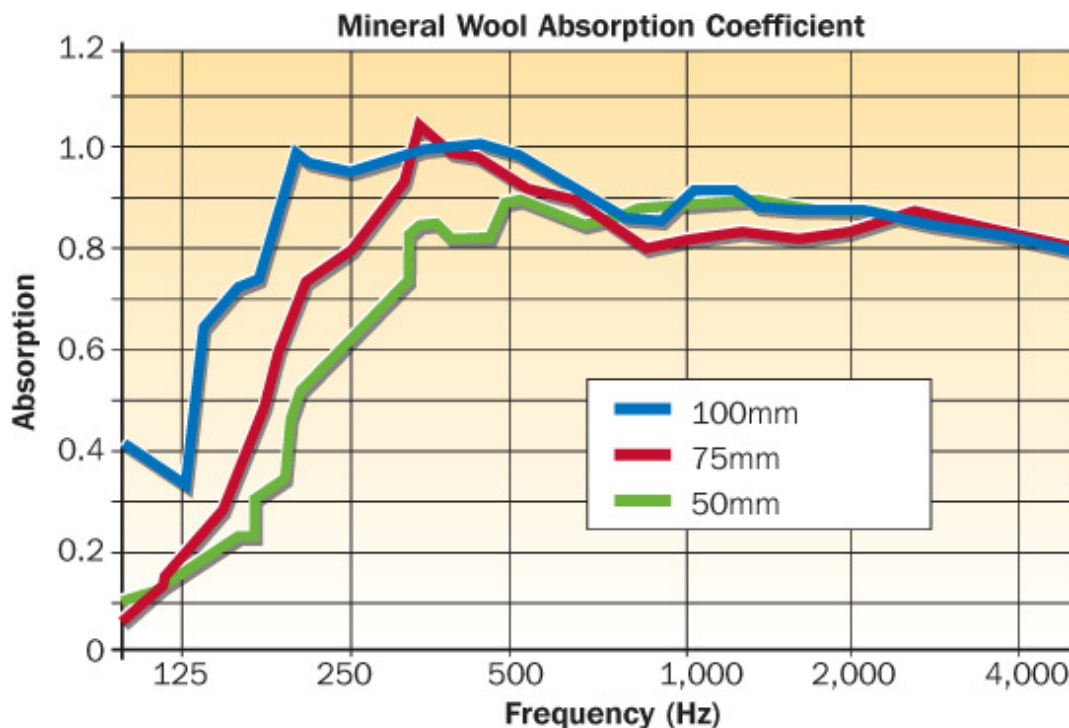
- Provides effective airborne absorption in floor, wall and ceiling cavities.
- Easy to cut with a knife for fitting between studs and joists.
- Produced from natural products and Zero GWP / ODP
- Available in 50mm, 75mm, 100mm thick from stock
- Helps to meet Part E of the Building Regulations
- Offers great thermal and fire insulation as well as sound.
- Easy to cut and install.
- Supplied in semi rigid panels 1.2m x 0.6m x 50,75,100mm thick
- Available from stock

Description

Our acoustic grade Mineral Wool is installed in the cavity space of floors, walls and ceilings. It is designed to help absorb airborne sound in a similar way that a bathroom sponge absorbs water.

The density of Acoustic Mineral Wool is greater than normal loft insulation and so is much more efficient at absorbing noise. Acoustic Mineral Wool (AMW) is used extensively in buildings and throughout industry to give acoustic, thermal and fire insulation. It is particularly useful as a sound absorbing infill for the reduction of airborne sound between flooring joists, suspended ceilings, stud partitioning and in combination with our Resilient Bars for soundproofing ceilings & walls and also helps achieve Part E for sound control of separating floors and walls.

AMW consists mainly of silicon oxide together with a number of metallic oxides. It is non-flammable, chemically inert and is not adversely affected by any substance it may come into contact with. Random arrangement of fibres ensures no water penetration in any direction. It is rot-proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, moulds or bacteria. It does not react with wired plastic or metal wall ties, brickwork or masonry.



PLEASE NOTE THIS PRODUCT IS NOT ROCKWOOL WHICH IS A BRAND NAME FOR A WIDE VARIETY OF MINERAL WOOL PRODUCTS. THIS PRODUCT HAS A UNIQUE DENSITY THAT MANY BUILDING MERCHANTS ARE UNLIKELY TO HAVE IN STOCK.

If you are limited on space or would like to use a thinner product then consider our Acoustic Quilt as a superior alternative.

ADDITIONAL INFORMATION AND INSTALLATION DETAILS CAN BE FOUND ON OUR WEBSITE

QuietFloor Acoustic Underlay - To reduce impact & airborne noise beneath a carpet



Key Benefits

- Excellent impact and airborne reduction for floors
- Made from 67% Recycled materials
- Suitable for both concrete and timber floors
- Simple and easy installation
- Supplied in handy sized slabs
- Meets PART E when bonded to a concrete floor
- Supplied in slabs 1.2m x 0.6m x 12mm thick
- Available from stock

Description

This is a superb acoustic floor system is designed to improve both the impact and airborne noise transfer through floors with the minimum of disruption. The laminated composition provides maximum performance for minimum thickness and combines excellent sound insulation with all the qualities of a good carpet underlay. It is quick and easy to install and is easily cut and shaped. Overall thickness is just 12mm so it minimises any increase in floor level.

This product comprises an 8mm layer of sound absorbing chip foam bonded to a top layer of 5kg mineral loaded soundproofing mat and a base layer of 3Kg mineral loaded soundproofing mat. The base layer of barrier mat seals and damps the sound coming through the floor, the isolated top layer of barrier mat reduces the sound penetration both ways and the sound absorbing chip foam core dramatically absorbs and reduces impact noise transfer.

QuietFloor can also be bonded to concrete floors to meet the new Approved Document E Building Regulations for impact noise and is ideally glued down using our special spray adhesive.

We also advise applying it to the steps and risers of communal stairs to comply with the latest Document E requirements for noise control.



When laid over timber floors airborne insulation up to **43dB** can be expected.

When laid over timber floors impact insulation in the order of **39dB** can be expected. (A carpet installed on top will reduce this even further).

When bonded over concrete floors impact improvements in the order of Delta **LW 42dB** can be expected.

Installation

QuietFloor is simply loose laid on the floor. It is essential that the thinner barrier layer is on the bottom of the panel when placed in position. It is also essential the panels are laid in a staggered; brick type pattern and that they are butted tightly together over the entire floor surface and secured with our jointing tape.

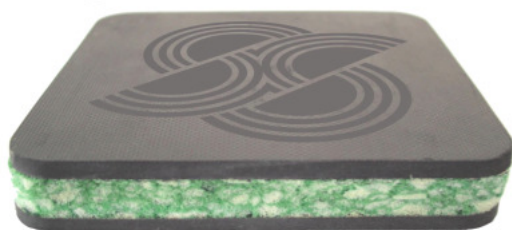
If our SBM5 - Soundproofing Mat has been applied first, carpet grippers should be fixed in the normal manner directly on top of the SBM5. The QuietFloor can then be installed in exactly the same way as normal carpet underlay. If SBM5 has not been used, QuietFloor should be installed right up to the skirting boards and the top layer of barrier mat and foam cut back with a sharp craft knife to allow fitting of the carpet grippers. The grippers can then be screwed or nailed into their normal positions before fitting of the carpet commences. QuietFloor replaces normal underlay and no additional underlay is required.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

QuietFloor **PLUS** Acoustic Underlay

- To reduce impact & airborne noise

Quietfloor **PLUS**



Key Benefits

- Performs better than many similar alternatives
- Excellent impact and airborne reduction for floors
- Made from 100% recycled materials.
- Suitable for both concrete and timber floors
- Can be used under carpet & laminate floors.
- Simple and easy installation
- Supplied in handy sized slabs
- Available from stock

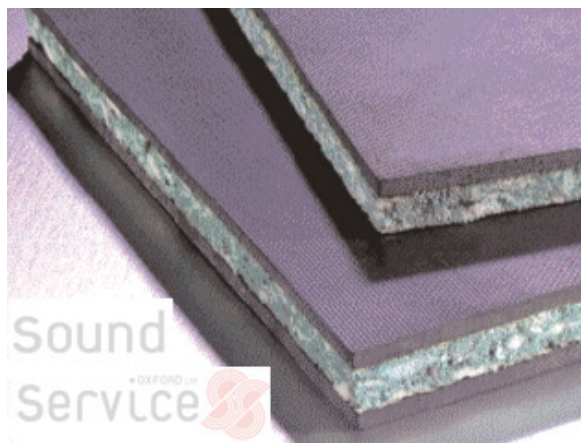
Description

Perhaps one of the quickest and most effective acoustic solutions on the market, QuietFloor PLUS is also remarkably cost-effective. Using this product increases airborne sound insulation and reduces impact noise transmission so much that there is no need for the installation of false floors; this not only increases minimum ceiling height but it also reduces labour and materials costs considerably.

The laminated composition provides maximum performance for minimum thickness and combines excellent sound insulation with all the qualities of a good carpet underlay. It is quick and easy to install and is easily cut and shaped.

This product comprises a recycled layer of sound absorbing chip foam bonded to a top and bottom layer of mineral loaded soundproofing mat. The base layer of barrier mat seals and damps the sound coming through the floor, the isolated top layer of barrier mat reduces the sound penetration both ways and the sound absorbing chip foam core dramatically absorbs and reduces impact noise transfer.

In addition, QuietFloor PLUS is made from an acoustic foam, which does not harden or crumble over time, unlike some other foams that are often used in similar products.



QuietFloor PLUS can also be bonded to concrete floors to meet the new Part E Building Regulations for impact noise and is ideally glued down using our special spray adhesive. We would advise taping over the seams with our PVC Tape to ensure they stay closely butted together.

We also advise applying it to the steps and risers of communal stairs to comply with the latest Document E requirements for noise control.

Installation

When laying the QuietFloor PLUS you should use our perimeter strips between the wall and each panel to ensure that carpet grippers are the correct height when installed. Supplied in 1000 x 30 x 9mm thick strips.

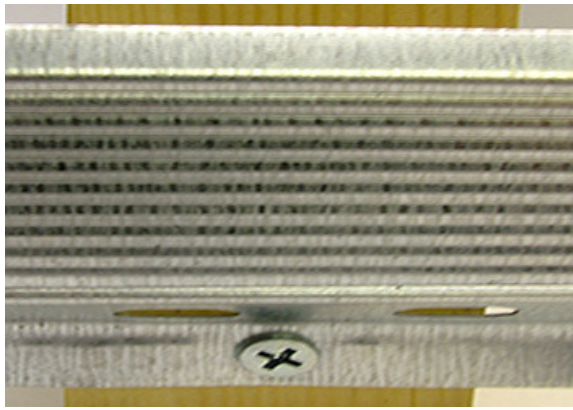
QuietFloor PLUS is a very effective solution to noise nuisance through floors, is well worth the investment and can be installed with ease.

Acoustic Performance

AIRBORNE SOUND INSULATION OF TIMBER FLOORS Building regs minimum requirement is 43dB	51 dB
IMPACT SOUND INSULATION OF TIMBER FLOORS Building regs maximum requirement is 64dB	39 dB

ADDITIONAL INFORMATION AND INSTALLATION DETAILS CAN BE FOUND ON OUR WEBSITE

R – Bar Resilient Bar - For Isolating new stud walls and ceilings.



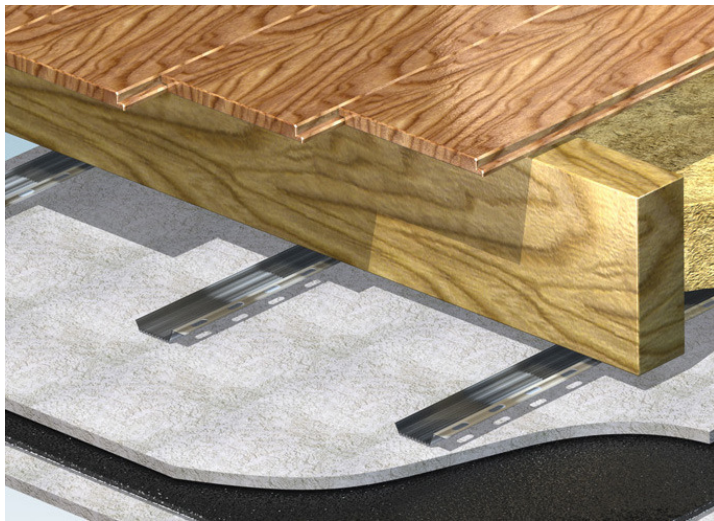
Key Benefits

- Can be used on all types of stud walls and joisted ceilings.
- Used with our other products it will meet PART E
- Easily cut with tin snips
- Extremely lightweight
- Supplied in 3 metre lengths
- Extremely economical to use
- Available from stock

Description

A vibration absorbing thin steel channel used on timber studs for walls and beneath the joists of ceilings. This allows the new wall or ceiling to be de-coupled from the vibrating surface which will reduce both vibration and impact noise penetration.

Resilient Bars are essential to help bring suspended timber floors into compliance with the building regulations for noise control through converted and newly built separating floors for flats. Used in connection with other sound insulating materials we supply, the bars will create an effective acoustic break between the bottom of the existing joists and the ceiling. If not fitted directly beneath the floor joists, Sound Reducing Resilient Bars can be supported by 50mm square battens screwed to the underside of any existing ceiling.



Plasterboard is then screwed to the corrugated section of the bar and for best results; two layers totalling 30mm thickness should be installed. Alternatively, two layers of 12.5mm Acoustic Plasterboard can be used.

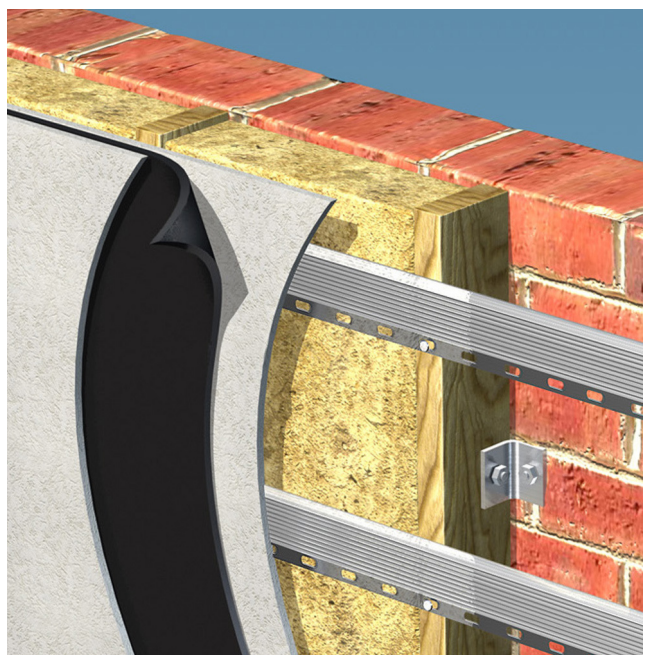
A greater sound insulation improvement can be gained if Acoustic Mineral Wool (AMW50) is installed between the battens before fixing the plasterboard.

When installed beneath an existing ceiling with AMW50 and 30mm of plasterboard applied, improvements in both airborne noise and impact sound would normally be well in excess of 300% this can be further enhanced if our Acoustic Membrane is sandwiched between the plasterboard layers.

Resilient Bars are also recommended to upgrade separating walls; particularly effective at reducing loud music or bass noise nuisance.

For this you would build a new stud batten frame spaced away from the wall to help create a sealed air gap between the new wall and the existing one. Fill in between the studs with our Acoustic Mineral Wool. It is important never to install AMW too tightly.

R Bars are then screwed onto this frame horizontally at 600mm centres followed by a layer of 12.5 mm plasterboard. A layer of SBM5 Soundproofing Mat is then bonded to the first layer of plasterboard using our Special Sta-Put Spray Adhesive. To finish the application, screw on a final layer of plasterboard. You need to make sure that both layers of plasterboard do not touch the surrounding walls or floor. Fill in this small gap with our Acoustic Sealant then the whole system will be free floating on the resilient bars.



ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

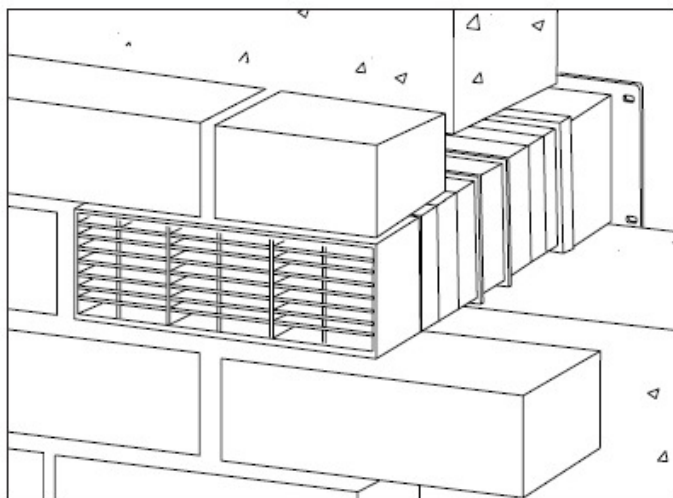
ACOUSTIC VENTS - Acoustic rated air vents for use in various wall constructions



Key Benefits

- BRE Tested to approved document F
- Internal baffle reduces light and draughts
- UV stabilised internal and external grilles
- Easily installed into through a cavity.
- Made in the UK
- Available in two main sizes and up to 7 colours
- Available from stock

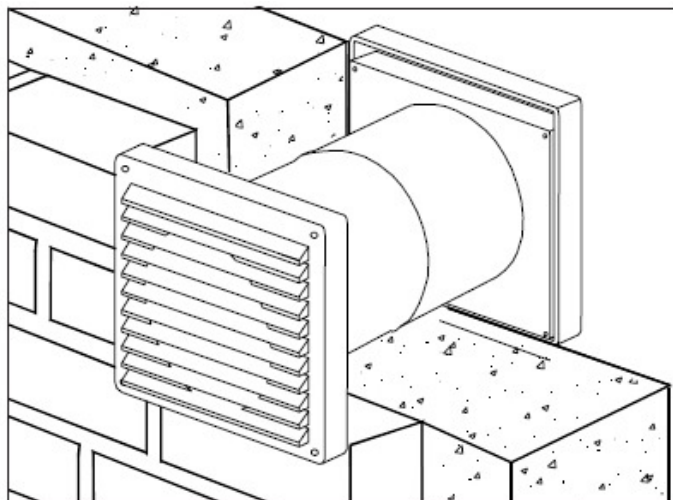
Description



'9 x 3' Acoustic Cavity Liner Set with Hit & Miss Ventilator
Sound reduction is 38dB D n,e,w

Main Uses, Features and Benefits

- Acoustic background ventilator for a habitable room.
- D n,e,w rating BRE tested to BS EN ISO 717-1:1997.
- Equivalent area BRE tested at 1 Pa to BS EN 13141-1:2004.
- Internal Cavity Liner baffle reduces light and draughts.
- Manually controllable internal hit & miss vent with flyscreen.
- U.V. stabilised air brick and hit & miss ventilator.
- Set contains louvred external panel with cowl & '9x3' acoustic cavity liner plus internal hit & miss ventilator



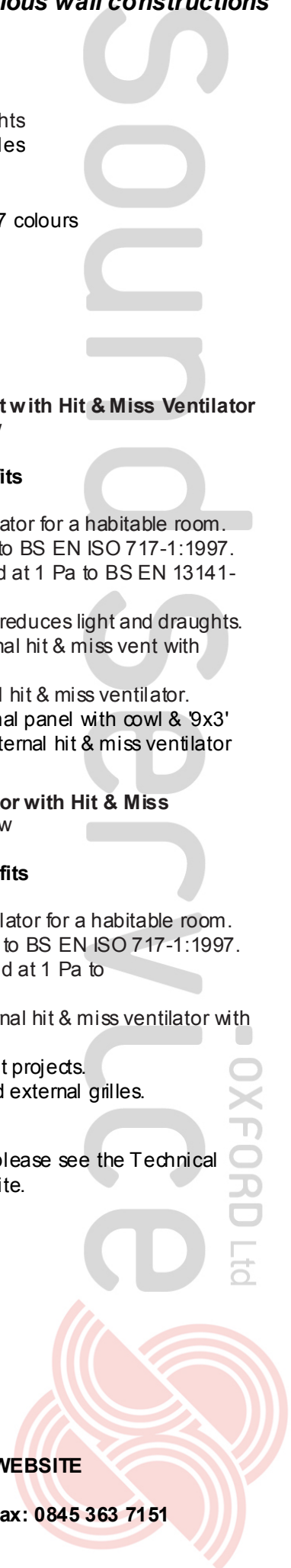
125mm Acoustic Core Ventilator with Hit & Miss
Sound reduction is 39 db D n,e,w

Main Uses, Features and Benefits

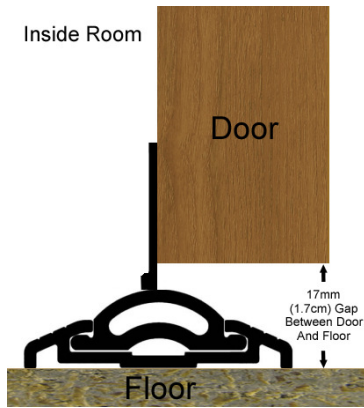
- Acoustic background ventilator for a habitable room.
- D n,e,w rating BRE tested to BS EN ISO 717-1:1997.
- Equivalent area BRE tested at 1 Pa to BS EN 13141-1:2004.
- Manually controllable internal hit & miss ventilator with flyscreen.
- For new and refurbishment projects.
- U.V. stabilised internal and external grilles.

To see more on these products please see the Technical Specifications page on our website.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE



ACOUSTIC SEAL KIT 1 - Ideal for sealing single leaf doorsets



Key Benefits

- Acoustic Door seals comply with Part E Building regulations
- Adds mass to the door without the need to replace it
- Supplied with full instructions - easy to cut and install
- Significantly reduces sound through a doorway
- All seals are easily cut to fit
- Available from stock

Description

We supply a range of versatile acoustic seal kits to fit almost any door. They are easy to install and come with full fitting instructions. The kits include a sound barrier sheet to adhere to the door and full soundproofing seals for the door frame and threshold.

What's in a kit?

- 1 x 1m RP120 Self Adhesive Batwing Seal for the top of your door
- 2 x 2m RP120 Self Adhesive Batwing Seal for each side of your door.
- 1 x 1m TES Threshold Seal (To be cut trimmed by the installer)
- 1 x 1m CDS Threshold Contact Strip (To be trimmed by the installer)
- 1 x Soundproofing Mat (1.8m x 1.2 m)
- 1 x Bag of fixing screws (large and small)
- 1 x Can of Sta-Put special aerosol adhesive
- 1 x Set of installation instructions

The acoustic door seal kit comes with everything you will need to upgrade a standard door without the need to change it for a more expensive Acoustic Doorset & frame.

It is advisable to install a thin wood panelling over the soundproofing mat as a final door finish.

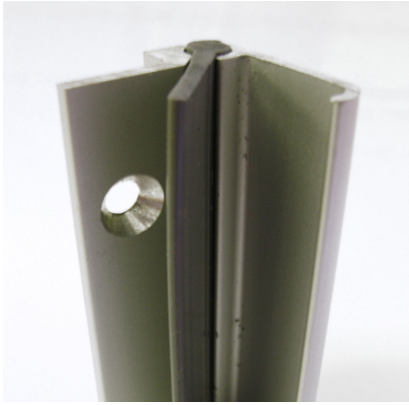
For further information on how the product is applied, please see the installation guide on our website.

If the seal required is not listed please contact us.

Intumescent seals are also available so if required, please mention when ordering. They are available 15mm or 30mm wide.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

ACOUSTIC SEAL KIT 2 - *Ideal for sealing a double leaf door*



Key Benefits

- Door seals comply with Part E Building regulations
- Adds mass to the doors without the need to replace them
- Supplied with full instructions - easy to cut and install
- Significantly reduces sound through a doorway
- All seals are easily cut to fit by installer
- No Rebating required
- Available from stock

Description

What's in the tube?

6 x 1m RP120 Self Adhesive Batwing Seal for the top and sides of your door

1 x 2m RP16Si Batwing Seal (To be cut back by the installer)

1 x 2m TES Threshold Seal (To be cut back by the installer)

1 x 2m CDS Threshold Contact Strip (To be cut back by the installer)

2 x Soundproofing Mats (1.8m x 1.2 m)

2 x Bags of fixing screws (large and small)

1 x Can of Special Sta-Put aerosol adhesive

1 x Set of installation instructions

The kit comes with everything you will need to uprate a standard double leaf doorset without the need to change it for a more expensive Acoustic Doorset & frame. Basic tools are required to fit this kit and it may well involve temporary removal of the door from the frame as part of the installation.

It is advisable to install a thin wood panelling over the soundproofing mat as a final door finish.

For further information on how the product is applied, please see the installation guide on our website.

If the seal required is not listed please contact us.

Intumescent seals are also available so if required, please mention when ordering. They are available 15mm or 30mm wide.

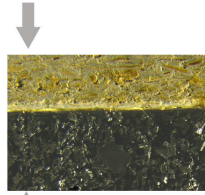
ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

VIBRATION ISOLATION PAD - For Insulating Vibrating Appliances



Close Up View

Thin Board



Vibration Pad



Key Benefits

- Produced from 98 % recycled rubber
- Easy to cut
- Resilient to moisture
- Dramatically reduces point load vibration.
- Supplied in a panel 1m x 1m x 10mm or 20mm thick
- Available from stock

Description

A black recycled resilient rubber pad designed to absorb and reduce point load vibration for use under white goods, treadmills and a wide variety of noisy equipment that may vibrate.

This product is ideal for reducing vibration caused from products such as washing machines, compressors or exercise equipment. It does not reduce the airborne noise that these items might create but helps to decouple the vibration. The vibration is what will pass through any flooring to annoy neighbours beneath.

The panels are 1 metre square and can easily be cut with a saw or jigsaw. We supply them in either 10 or 20mm thickness. We advise you add a layer of thin boarding over the pad to support the feet of the appliance sitting on it to reduce the possibility of any feet or castors sinking into the pad over time. This wood can be sourced from any DIY store that sells wood.

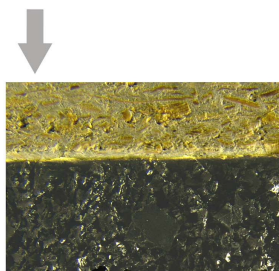
Other potential uses for Vibration Pad are as follows:

- Bass speakers
- Tumble Dryers
- Home cinema sub woofers
- Treadmills
- Rowing machines
- Mini Trampolines



Close Up View

Thin board



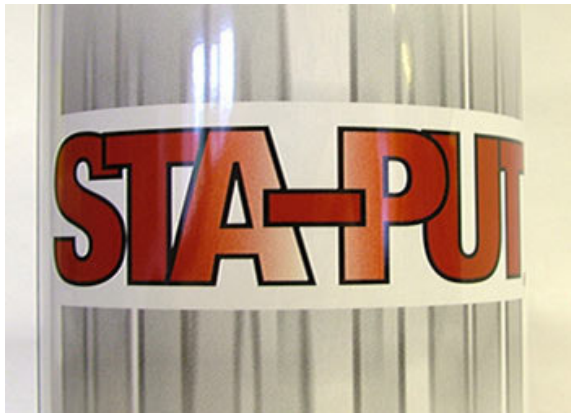
Vibration Pad

If further reduction is needed we would advise doubling up the panel to create a 40 mm layer.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

STAPUT - SPECIAL SPRAY ADHESIVE -

For bonding many of our products



Key Benefits

- Ideal to stick most of our soundproofing and absorber products
- Water and heat resistant.
- Clear in colour
- Varying web spray nozzle
- Low solvent content
- Heat resistant up to 250°F/121°C
- Supplied in a can of 15oz (426 grams) Spray Coverage: 6-8m²/can
- Available from stock

Description

Our Sprayable Contact Adhesive is an adhesive ideal for sticking our Soundproofing Mat and Acoustic Membrane to a wide variety of surfaces with no adverse effect. It has a high solids content and is water resistant and heat resistant with permanent flexibility. Particularly useful for sticking our Acoustic Mineral Wool slabs to the underside of flooring when working from below.

This glue is also useful for sticking a wide variety of other products including our acoustic foam and M20AD wall insulation. It is particularly good to work with due to its low solvent content which does not leave strong fumes lingering after use yet creates a strong bond when cured.

Directions

Shake can well before use (especially in cold conditions) Best results are obtained when working in an ambient temperature of 70°F/21°C with surfaces to be bonded properly conditioned. Ensure all surfaces are thoroughly clean and free from moisture, dirt, dust and grease or any other materials that could affect the bond. For vertical or horizontal patterns, twist the spray nozzle to adjust the spray pattern utilising the symbols printed around the top of the can below the nozzle. Hold spray can 6 to 8 inches from the surface and apply in even coats, making sure the adhesive 'webs' across the surface. Do not hold closer than 6 inches or 'wet' the surface by applying too much.



It is important the adhesive 'webs' across the surface as shown and 80 - 100% coverage is achieved. One surface should be sprayed vertically and the other horizontally. Do not concentrate in one spot or allow the adhesive to 'puddle'. Double coating applications are recommended on porous surfaces (after the first coat has dried, apply a second coat evenly on top). Allow adhesive to tack (approx 204 minutes) and bond together with a firm pressure over the entire area. Tack time can vary depending on climate conditions. It is important that maximum uniform pressure is applied over the entire area bonded to achieve maximum bond strength. Although the adhesive has a low odour it is still advisable to use the adhesive in well ventilated conditions.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

ACOUSTIC SEALANT - For Gap Sealing Between Floorboards and Perimeters



Key Benefits

- Acoustic grade sealant
- Paintable
- Extra Large 380ml sized tube
- Intumescent so provides a 4 hour fire rating
- Ideal for use with many of our products
- Available from stock

Description

Our white Acoustic Sealant is a one-part fire retardant water-based acrylic sealant and an excellent sound blocker. It exhibits good adhesion to a wide variety of common building substrates without the need for a primer. Paintable with emulsion paints three hours after application. Allow 12 hours before over painting with gloss paints.

When subject to fire, the sealant will intumesce (expand and char), thus blocking the passage of fire and smoke.

Recommended for perimeter sealing of all floors and between the joints of square edged floorboards before installing any further sound insulation. This acoustic sealant makes the floor more airtight and so reducing sound leakage and contributing to the effectiveness of any additional sound insulation.

This versatile sealant can also be used for many other general purpose applications.

It is not recommended for use in external situations

We advise using our Click 'N' Seal Sealant Cartridge applicator for ease of use.

The Click 'n' Seal is the applicator that is set to revolutionise the sealant gun market. With its unique patented method of holding the cartridge.

To use it you just have to push the cartridge into the gun and apply the sealant. The simple design also allows quick cartridge change and easy rotation at corners. The Click 'n' Seal gun also means no more difficulties getting into those hard to reach places, behind taps etc, with no obstruction at the nozzle end Click 'n' Seal is the easier way to seal.

The Click 'n' Seal gun can hold 310ml and 400ml cartridges, as well as 290ml thick wall cartridges.



ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

ACOUSTIC SEALING TAPE - Designed to isolate stud walls

Key Benefits



- Age resistant
- Self adhesive for easy application
- Helps to reduce vibration/flanking noise through stud framework
- Chemically neutral against lacquers
- Moisture, UV and caustic chemical resistant
- Ideal for many other uses in the construction industry
- Available in many widths and thicknesses
- Available from stock

Description

A self adhesive EPDM foam rubber Acoustic Sealing Tape. This product is designed for sealing and cushioning stud work or battening to reduce flanking transmission of noise. The EPDM is age resistant and chemically neutral against the most commonly used lacquers and plastics. These EPDM acoustic strips are resistant to most caustic chemicals, the ozone, moisture and UV radiation, are easy to use and cut.

We generally supply these as black 5 or 10mm thick / 10m length coils with a self adhesive backing but can produce non self adhesive and alternative thicknesses and widths if required subject to quantity.

Widths stocked are between 10mm - 100mm as standard in 10mm increments.

Subject to a minimum order we can also supply other types of rubber sheeting or coils. Please call our technical team on 0845 363 7131 with your enquiry.

Use on Floors, Walls & Ceilings

When using wooden battening in the construction of a new isolated stud wall we would always recommend sitting the stud work on 10mm thick acoustic strip as outlined in the graphic below. By sandwiching the EPDM between the wood and the floor and surround walls/ceiling you create a much more isolated system. This in turn dramatically reduces any vibration and flanking noise being transmitted into adjoining rooms or properties.



The Acoustic Tape does not replace the need for decoupling the wall with the Resilient Bar but does help greatly increase the walls performance against low frequency bass vibration.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE

ACOUSTIC DOWNLIGHTER HOODS - *Fire rated acoustic hoods*



Key Benefits

- Acoustic Rated
- Installed in minutes
- Ventilated to reduce heat build up
- 30 – 60 minute fire rated
- No screws, drilling or additional supported required
- Available from stock

Description

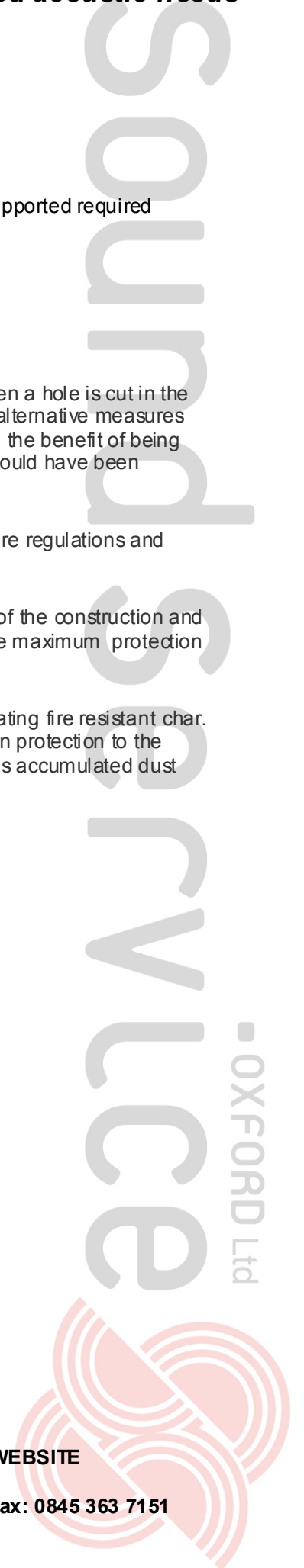
Downlighters in ceilings are a popular requirement in today's houses and flats. However, when a hole is cut in the ceiling of a flat it reduces the sound insulating performance of the separating floor above so alternative measures should be taken to compensate for this. Among these are our Acoustic hoods that also have the benefit of being intumescent and so maintain the integrity of the fire resistance of the ceiling that otherwise would have been compromised with the installation of downlighters.

Down lighters in ceilings are widely used in commercial buildings. Each ceiling is subject to fire regulations and where applicable the ceiling construction has to be fire protected.

However, once a hole has been made in the ceiling for a down lighter, because the integrity of the construction and its ability to perform in a fire is reduced significantly, we have introduced this fire hood to give maximum protection for holes created by the introduction of a down lighter and to allow for ease of fitting.

In a fire situation the cover expands internally to fill all the available space with a highly insulating fire resistant char. Thus, the fire is unable to penetrate the hole and the cover is able to give additional insulation protection to the ceiling void to reduce the chance of heat build up and ignition of flammable materials such as accumulated dust and insulation.

ADDITIONAL INFORMATION AND INSTALLATION DETAIL CAN BE FOUND ON OUR WEBSITE



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