

Vicoustic

Innovative Acoustic Solutions

Andinos Recording Studios - A project by Audio Designer

Music & Broadcast 2012 V.01





Vicoustic

Innovative Acoustic Solutions

Premium Line

Premium Fabric Covered Products

Premium panels provide flexible and elegant solutions for sound control across a multitude of applications. Combining modern design with maximum acoustic efficiency, the fabric covered panels are commonly used to control sound reflections and excess reverberation, helping you maximize the performance of your listening space.

- Efficient absorption
- Easy to install
- Excellent value for money
- Fire retardant fabrics
- Cleanable



Super Bass 90 *Premium*



Round Bass 360 *Premium*



Cinema Round *Premium*



Visquare *Premium*



Available Colours:



Ref 04



Ref 116



Ref 22



Ref 82



Ref 29



Ref 85

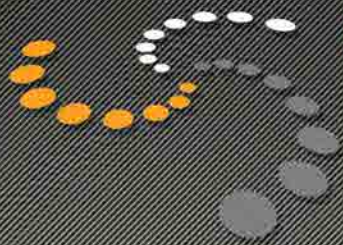


Ref 99



Ref 92

Actual fabric colours may differ slightly from printed versions.



Vicoustic

Innovative Acoustic Solutions

Premium Line

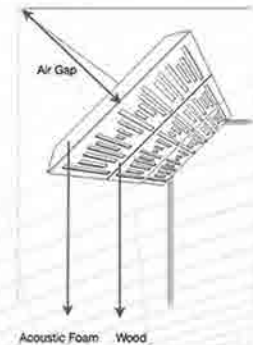
Wave Wood

Vicoustic's flagship Wave Wood panel has been specifically developed to treat acoustic problems without destroying a room's ambience, or over-deadening the sound. Its elegant visual appearance makes it highly suitable for use in sophisticated listening spaces such as hi-fi rooms and home cinemas.

Made from a combination of acoustic foam and wood, Wave Wood's instantly recognizable design results from unique research based on the acoustic properties of the wood and foam, combined with a series of non-linear sequential cavities that enable the panel to act as both an absorber and diffuser. It is particularly effective in treating medium and high frequencies, adding enhanced intelligibility and clarity to speech and music, both in stereo and surround sound listening environments.

Wave Wood also provides an effective and visually elegant means of controlling low frequencies when fitted in the corners of a room and used as a bass trap. The air cavity behind the acoustic panel provides an effective solution to solve problems related with coincident standing wave modes, further enhancing the general ambience of the room.

Five different wood finishes are available to match a range of interiors.



Featuring
ARCS technology
Absorption and Reflection Control System



Available Colours:



Cherry



White



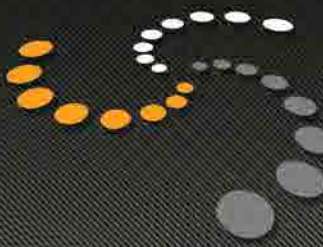
Nordik



Black



Light Brown



Vicoustic

Innovative Acoustic Solutions

Premium Line

Flexi Wood A50 and A75



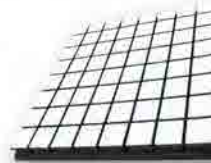
Flexi Wood is a panel dedicated to the control of medium and medium-low frequencies: It acts simultaneously as an absorber and a reflector, controlling excess energy in a room without compromising its ambience. This helps to create listening spaces with a natural, bright sound.

The panel's revolutionary design is further enhanced by the addition of a wood surface. Long known for its excellent acoustic properties, the wood also adds elegance and modernity to the panel, making it suitable for use in any type of space.

The Flexi Wood panel is available in two thicknesses (50 and 75 mm) for use in different frequency ranges. Now available in three different wood finishes.



Black



White



Nordik



Cherry



Light Brown

Flexi Pol A50 and A75

Coloured foam oxidates over time, turning yellow, but Vicoustic has now found a perfect solution to ensure that coloured panels maintain their smart appearance. Our new Flexi Pol A50 and Flexi Pol A75 panels have a special polyurethane coloured surface which is not only durable, but also offers a range of creative design options.



Available Colours:



Ref 116



Ref 22



Ref 82



Ref 29



Ref 85

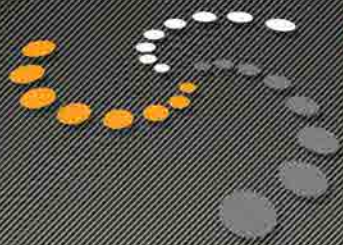


Ref 99



Ref 92

Real colours may differ slightly from printed versions



Multifuser Wood 36



New solid wood diffusion panel scatters unwanted room reflections, without soaking up the sound.

The new diffuser is perfect for use in venues such as concert halls, hi-fi rooms and recording studios, where effective diffusion is often required, without too much absorption occurring at the same time. With its striking angled surface, the two-dimensional diffuser is based on a QRD sequence combined with changing reflection techniques (a result of the angled surface).

The panel itself is made in two parts. Each part can be rotated in different directions so that a uniform, omni-directional scattering of sound is achieved, with particularly effective diffusion of mid and low frequencies.

Multifuser Wood 36 works between 470Hz and 10kHz.



Black



Light Brown



White



Multifuser Wood 64

As well as its acoustic efficiency, the panel's attractive appearance makes it suitable for use in a range of settings.

Multifuser Wood 36 works between 310Hz and 8kHz.



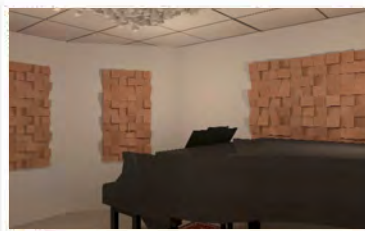
Black



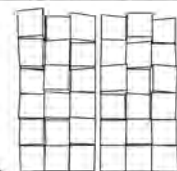
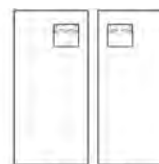
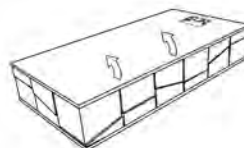
Light Brown



White



Installation Procedure





Vari Bass



Bass frequency resonance is one of the most difficult acoustic issues to solve in any room. Until now, the most effective options have generally involved using bass traps that are specifically designed, or customized to fit the room. However, these solutions can often be expensive and invariably involve complex measuring procedures. There's also little scope for flexibility if changes are made to the listening space, such as moving furniture or gear. Vari Bass is designed for use in any professional recording space, home studio, or hi-fi room. Made from wood and high-density acoustic foam, the bass trap can be tuned between 50Hz and 100Hz by simply rotating its wooden top (which has a series of resonant pots) until the problem disappears. A scale is included to show the exact frequencies on which Vari Bass is acting. The unit's stand-alone structure enables it to be repositioned as required and used in different rooms.

Advised Units per Room Area

- 6 to 9 m² - 2 Units (1 Box)
- 9 to 13 m² - 4 Units (2 Box)
- 13 to 17 m² - 6 Units (3 Box)
- 17 to 22 m² - 8 Units (4 Box)



Available Colours:



Other Bass Traps:

Super Bass 90



Round Bass 360



Mega Fuser Bass Trap



Super Bass 90 Premium



Round Bass 360 Premium





Vicoustic

Innovative Acoustic Solutions

Premium Line

Poly Wood Fuser



Creating effective and controlled diffusion within a particular design frequency has always been one of the greatest challenges facing acousticians. Vicoustic is proud to present the Poly Wood Fuser, a specially designed panel based on an optimal curve, which creates an elliptical diffuser to effectively scatter unwanted frequencies.

The panel's fibreboard elliptical membrane has a controlled density, allowing an infinite diffusion pattern (effective from 300Hz to 12 kHz), which breaks up standing waves and flutter-echo effects.

The panel's acoustic foam interior serves two purposes; dampening the membrane's diffusion effect and acting as a broadband absorber for medium and high frequencies.



Black

White

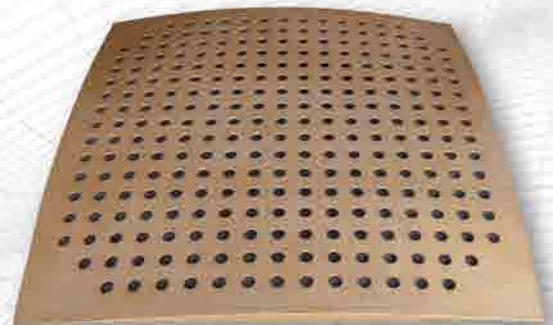
Cherry

Light Brown

Nordik

Omega Wood

Omega Wood is another Vicoustic 2-in-1 product. The smooth curved surface acts as a diffuser, while the foam interior (intentionally separated from the perforated wood surface) offers an extraordinary absorption effect on mid frequencies. Omega Wood is an excellent solution for particularly demanding acoustic requirements, offering both diffusion and an excellent absorption rate/m², combined with a unique design. Available in three different wood finishes - Black, White, Cherry, Light Brown and Nordik.



Black



White



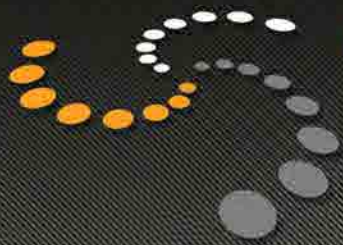
Cherry



Light Brown



Nordik



Vicoustic

Innovative Acoustic Solutions

Premium Line

Square Tile



Square Tile is primarily designed to absorb medium and high frequencies. Sound energy crosses through the perforated wooden surface and is absorbed by the foam material underneath.

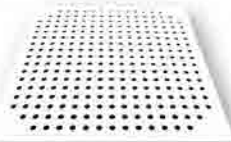
Wood finishing is generally regarded as a noble surface treatment in architectural spaces, critical listening rooms and performance spaces such as concert halls and other venues. Available in three different wood finishes - Black, White, Cherry, Light Brown and Nordik.

Square Tile can fit in standard 60 x 60 cm suspended ceiling frames.

Square Tile



Black



White



Cherry



Light Brown



Nordik



Vari Panel *A revolution in variable acoustics*

Some major performance venues have variable acoustics – a costly treatment system that allows the venue acoustics to be adjusted on demand to generate the best sound, whatever the type of performance.

In reality, most people will probably use the same room to record a range of instruments or voices. Although the room may have acoustic treatment, the treatment will largely focus on generally absorbing or diffusing specific frequencies, and it will be fixed. However, a room that has been treated to produce a dryish acoustic for vocal recording will not bring out the best in an acoustic guitar, which needs more ambience. Changing a room acoustic on demand has been a highly complex and expensive procedure – until now.

colours



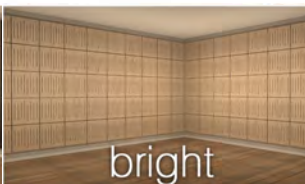
Vari Panel is Vicoustic's revolutionary system that combines the award-winning Flexi Panel A50 with a wood system that can be attached and removed in seconds - without glue or any other complicated fixing procedures. This gives you the option of adjusting your room acoustic to create a dry recording environment, a bright ambient space, or something in between. Based on the same ARCS research model as Wave Wood, Vari Panel's innovative design is currently the best, affordable solution in the variable acoustics market.



dry



half-dry



bright





Super Bass Extreme



Optimized for corner mounting, Super Bass Extreme's elegant wooden front is based on Vicoustic's flagship Wave Wood panel. This is combined with a membrane, two high-density foam layers and a micro-perforated rear panel, with 1mm holes, that acts as a Helmholtz resonator. Designed to provide effective low frequency absorption between 60-125 Hz, it delivers maximum effectiveness between 75-100Hz. The wooden front panel has two functions, providing sufficient mid-high frequency absorption to control corner reflections without deadening the sound, while simultaneously acting as a diffuser.

When porous materials such as foam are applied to corners or walls, they become less efficient in dealing with low frequencies, because the particle velocity or air movement associated with long wavelengths is low.

However, the sound pressure is at its maximum. Super Bass Extreme's internal membrane transforms this high pressure by converting the pressure fluctuations into air motion. The membrane sympathetically vibrates over a frequency range of 75-85 Hz, causing the air to pass through a layer of high-density foam that absorbs the low frequencies. Because of the high pressure it has also been possible to introduce a further technique for aiding absorption, with the micro-perforated panel at the back of the unit acting as a tuned Helmholtz resonator. Tests actually showed the perforations to give 20% more efficiency, compared to using a non-perforated panel.

Super Bass Extreme is highly recommended for smaller rooms with low frequency issues. The panel can be used in different corner positions and its modular structure allows further units to be added as required. With an eye to interior design compatibility, Super Bass Extreme is available in five elegant wood finishes that match Vicoustic's range of Wave Wood panels.



Available Colours:



Light Brown



Cherry



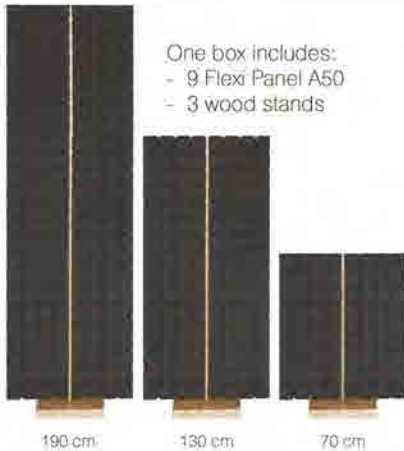
Nordik



White



Black



One box includes:
- 9 Flexi Panel A50
- 3 wood stands

190 cm | 130 cm | 70 cm

Flexi Wall

Flexi Wall is a portable, modular acoustic treatment system which can transform your working space in a matter of minutes. Its flexible panels enable you to set up a customized studio just about anywhere. The panels can also be used to change the acoustic properties of a room, allowing it to serve a variety of purposes.

Flexi Wall is highly absorbent in all frequency ranges. Its design is based on Vicoustic's top selling Flexi Panels. This unique solution can be used in a range of environments such as recording rooms, vocal booths, video editing rooms, etc.



"Trophées SIEL SATIS 2009"
Innovation Award - Paris 2009



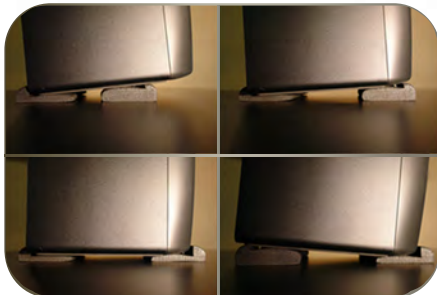
One box includes:
- 12 Feet (6 per speaker)

Speaker Feet

Positioning desktop speakers can be a challenge. Vibrations from the speakers often lead to rumble and other unwanted noise when the speaker base is in direct contact with the desk surface. At the same time space limitations can limit speaker positioning, resulting in sound being wrongly directed.

With its new Speaker Feet, Vicoustic has abandoned the more standard foam-based materials in favour of a medium density, anti-vibration rubber used in aeronautics. The robust, yet lightweight material forms an effective barrier between the speaker base and the desk (or other surface).

Speaker Feet are designed for use with any size and type of speaker. The feet themselves can be used in three different inclinations to help angle the speakers and direct the sound as exactly as possible in the user's listening space.



Flexi Screen Lite

Vicoustic's lightweight version of the popular Flexi Screen provides a portable, easy to assemble microphone surround, whose polyurethane structure is designed to give maximum absorption efficiency.

Flexi Screen Lite has a dual functionality, absorbing the singer's energy on the inside to give a less ambient sound, while at the same time, partially absorbing scattered room reflections on the outside. Flexi Screen Lite's acoustic foam structure has optimum density and thickness, using a series of cavities both to reinforce the absorption effect and add structural support to the joint mechanism.

Flexi Screen Lite is suitable for use with a range of microphones and can be adjusted either vertically or horizontally. The unit can be assembled in less than 15 seconds making it ideal for location-based recording venues, project studios and classrooms.





FLEXI SCREEN ULTRA

PORTABLE SOLUTION FOR
VOCAL RECORDING
IN UNTREATED ROOMS



* The picture shows a 4 unit pattern

MD55

Vicoustic's MD55 panel is an easy-to-install, cost-effective solution for any kind of room requiring acoustic absorption treatment. The panel is extremely versatile, offering a precise combination of absorption and diffusion.

Suitable for use in both small and large spaces, MD55 panels can either be used in a pattern, or as single units.

MD55 is available in two packs:
 - **Super Kit MD55** (with 64 units)
 - **Super Kit MD55 Light** (with 32 units)

Mega Fuser Bass Trap

Bass Traps are considered to be one of the best optimized solutions when treating low frequencies. They are also an excellent complement to other acoustic products. The unique shape of the Mega Fuser Bass Traps allows you to minimize the dramatic effects that result from Resonating Waves, commonly associated with the "boomy" sound often heard in untreated rooms.

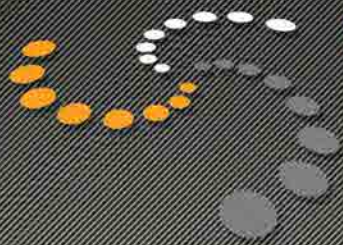


Mix Kit Pulsar

Kit containing 4 Mega Fuser Bass Traps and 8 Pulsar absorption Panels. This is a complete solution for treating rooms that are less than 6 square meters in size.



- Material - Acoustic Foam
- Fire Rating - M1
- Installation - Adhesive FlexiGlue



Pulsar Panel



Vicoustic's Pulsar panel offers an easy-to-install, cost-effective solution for any kind of room requiring acoustic absorption treatment. The panel has excellent absorption capabilities as well as providing an effective amount of diffusion.

Suitable for use in both small and large spaces, Pulsar panels can either be used in a pattern, or as single units.

- Excellent absorption
- Easy to install

Pulsar panels are also available in a mixed pack (Mix Kit Pulsar), which includes bass traps.

Mix Kit Pulsar Example

- Solution for small recording rooms
- Excellent results
- Easy installation
- 8 Pulsar panels
- 4 Mega Fuser bass traps



Other Studio Line Products:

MD55 Panel

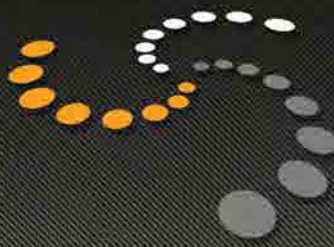


Mix Kit Pulsar

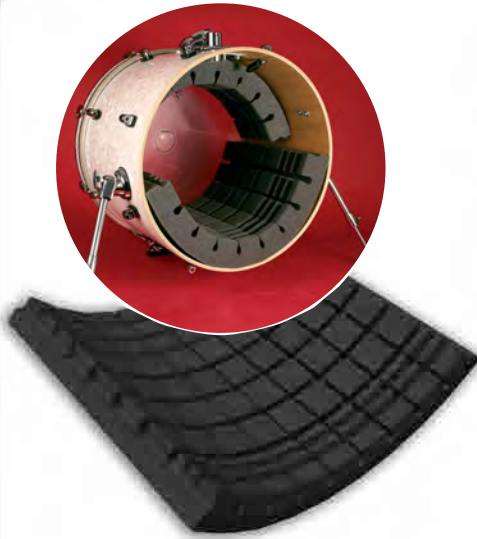


Mega Fuser Bass Trap





Flexi Kick Drum

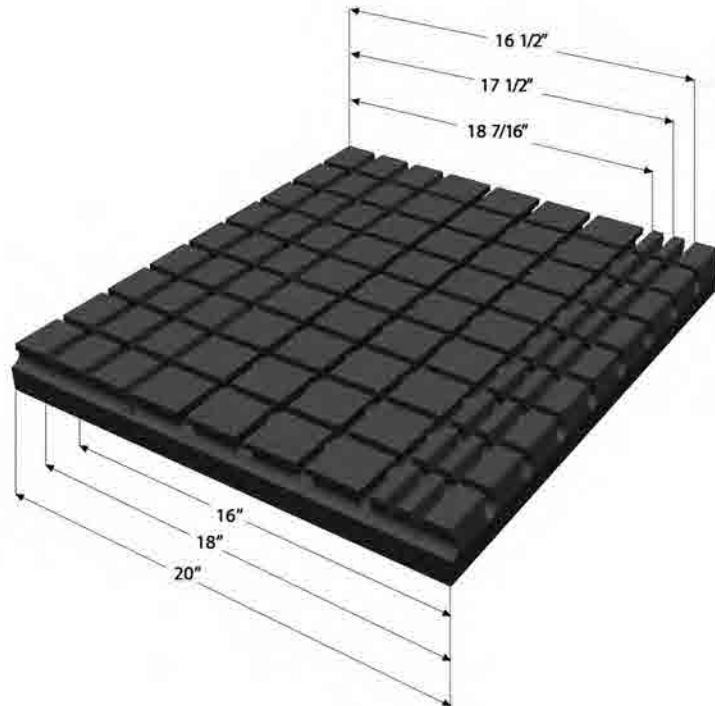


Flexi Kick Drum is the ideal solution for hassle-free acoustic control of kick drums. The flexible foam panel fits inside the drum, acoustically dampening the internal reflections from its shell, while physically dampening any additional harmonics from the drum's front and rear skins. The panel's density and multi-cavity design help create the right attack and control the sound of the kick drum without compromising its "character".

Flexi Kick Drum is designed to fit any size of bass drum. Simply follow the supplied diagram and instructions for cutting the foam according to the required size. The whole process takes a matter of minutes!



"Flexi Kick Drum. Takes out the bad and leaves all the good."
Dave Baynton-Power, drummer with James



Other Studio Line Products:

Cinema Round



Round Bass 360

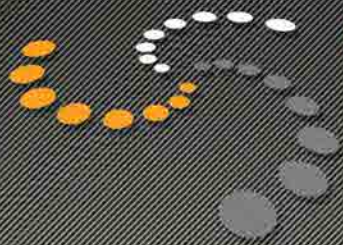


Flexi Wall



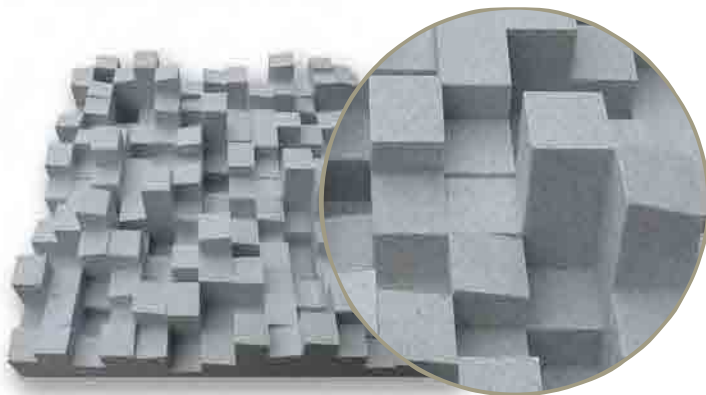
Flexi Screen Ultra





Multifuser DC2

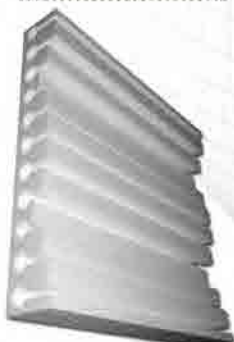
Multifuser DC is a bi-dimensional diffusion panel that is frequently applied to walls or ceilings, providing multi-reflection on both vertical and horizontal planes in sound critical spaces. It performs on high frequencies, brightening and clarifying sound. Made from light, high quality EPS (Expanded Polystyrene), Multifuser DC2 is notable not only for its effective performance in solving problems like lack of speech intelligibility or music definition, but also for its attractive design that fits perfectly in any kind of room.



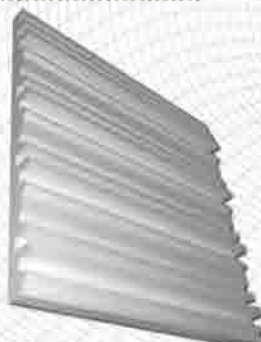
- Material - Expanded Polystyrene
- Fire Rating - M
- Easy to Install
- Can be painted with water-based paints

Other Studio Line Products:

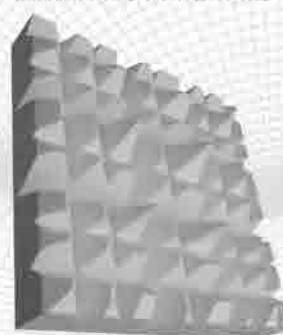
Trap Fuser RD11

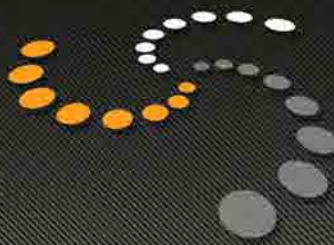


Pulsar Fuser DA



Super Fuser Spyke 2





ISO Blanket and ISO Blanket Pro

The blankets perform as sound barriers when applied to ceilings, walls and floors. Their flexibility, thin design and high resistance make them easy-to-use materials. They are most effective when used in construction projects that involve several layers of different material.



ISO Underfloor

The ISO Underfloor is a highly efficient solution in the treatment of structural noise at floor level. It ensures a high level of isolation by diminishing the sound emitted from joints between the floor and the rest of the construction.



Vifoam

Vifoam offers both absorption and simplicity. Mostly used in the construction of buildings and suspended ceilings, it provides an excellent replacement for mineral wool in cases where health and safety are paramount. Available in two sizes; 120 x 60 x 5 cm and 60 x 60 x 5 cm.



Vicycle

Vicycle is a product resulting from the recycling processes of different acoustic foams. Packed in high-density blocks (60kg/m³), it is an excellent alternative to mineral wool, with the added advantage that it doesn't degenerate with time. A green, healthy product providing the perfect solution for structural isolation.



Rubber Strip

Vicoustic's Rubber Strip is a complementary acoustic product mainly designed for isolating joints around windows and doors. It's the ideal solution for construction projects, ensuring effective isolation against airborne and structural noise.



Flexi Glue

Vicoustic's Flexi Glue is designed for use with a variety of materials. Its chemical composition is non aggressive, and therefore certified in accordance with the most recent European legislation, allowing Flexi Glue to be used in any environment. Flexi Glue is also perfect for use with polyurethane (foam) or polystyrene (EPS) Vicoustic solutions, ensuring their correct and safe application to a room's surfaces.



Double Door

Single Door

Acoustic Doors 49 series $R_w = 52$ dB

Even if your room has the best wall, roof and floor insulation, sound can be transmitted through doors. This sound proof door is 85mm thick, and includes a rim all along its periphery. It consists of a heavy core and two absorbent chambers completely filled with M0 fire classification material M0. The door has a manual aluminum open/close wedge-type system with a dual seal in a special profile all along the periphery. The door can have anchor bolts and/or drill holes in the rim for fastening with screws.

Options



Finish



Double Door

Single Doors

Acoustic Doors 43 series $R_w = 46$ dB

This sound proof door is 56mm thick, and includes a rim all along its periphery. It consists of a heavy core and two absorbent chambers completely filled with M0 fire classification material M0. The door has a manual aluminum open/close wedge-type system with a dual seal in a special profile all along the periphery. The door can have anchor bolts and/or drill holes in the rim for fastening with screws.

Options



Finish



Sealing system

Single Door

Acoustic Doors 37 series $R_w = 37$ dB

This sound proof door has 44mm of thickness, and includes a rim all along its periphery except on the bottom, with a seal in a special profile all around, and close to the pavement with a mechanical system / moveable threshold.

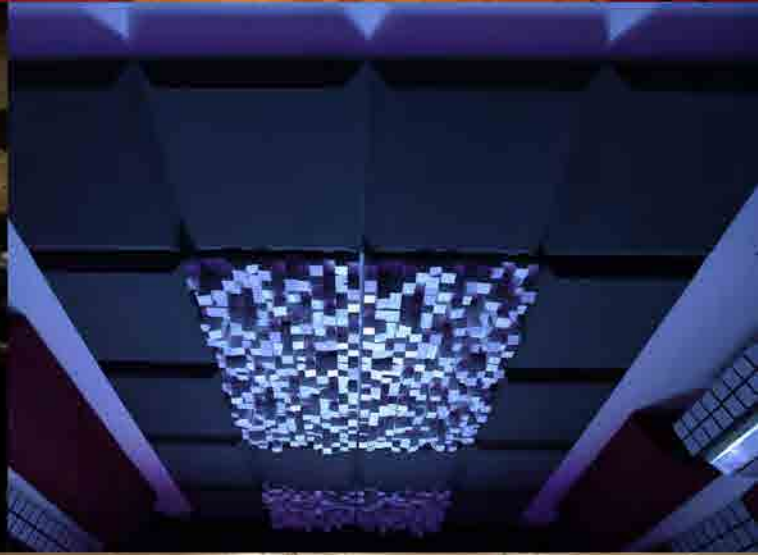
The door is composed with steel sheets 1,5 mm thick, and also consists of a core completely filled with absorbent and damping material. It includes an asymmetric European lock with a "Yale"-type key and special hinges in the model with three-rod adjustment.

Options



Includes







Innovation

Based in Paços de Ferreira, Portugal, Vicoustic has recently been hailed as one of the most dynamic and innovative companies in the acoustic solutions industry. The research-based manufacturer offers a wide range of products and services, representing the outcome of years of development, testing and optimization. Vicoustic's engineers work in strategic partnership with other industry sectors, including science institutes and universities, as well as gaining regular feedback from some of Europe's leading acoustic engineers.

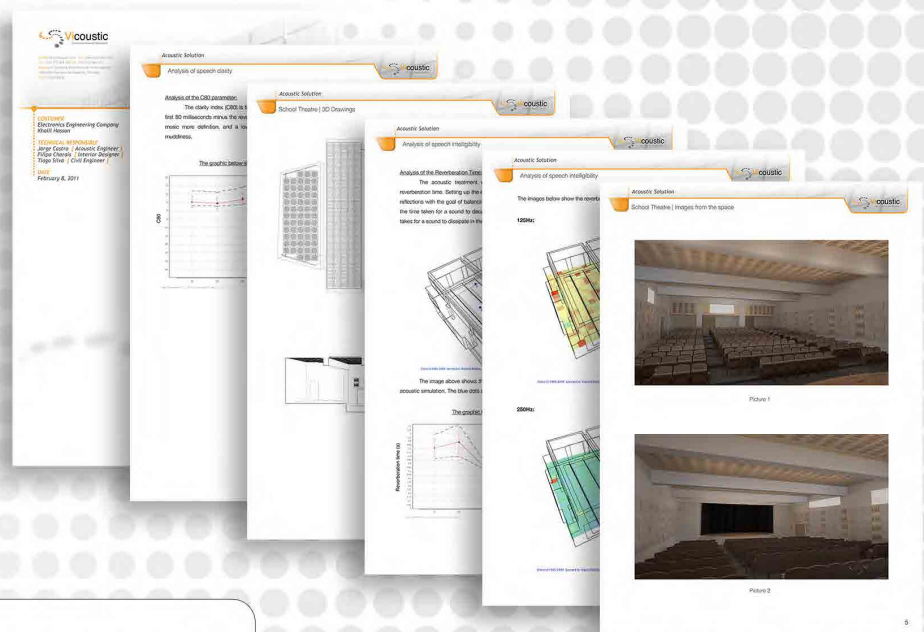
In addition to outstanding performance, Vicoustic products have a high level of fire retardancy, making them suitable for use in a variety of venues.

The story so far

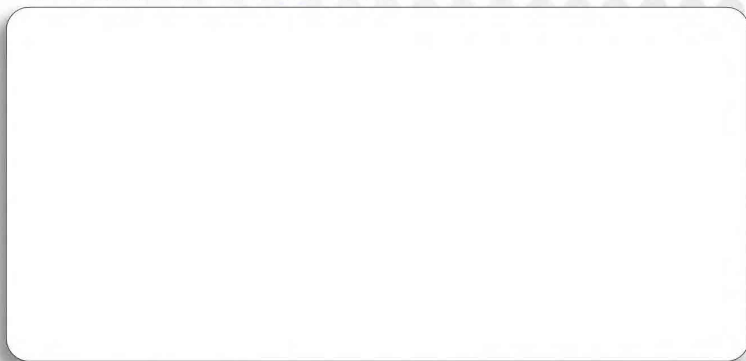
- ❑ Revolutionary acoustic products
- ❑ First 3-in-1 panel; diffusion, absorption and bass trap
- ❑ First portable acoustic modular wall
- ❑ First affordable fabric-covered acoustic panels
- ❑ First online acoustic calculator with multiple design options
- ❑ First passive, stand-alone, tunable bass trap
- ❑ Company expands into separate divisions; Music & Broadcast, Hi-Fi & Home Cinema, Industrial

Whatever the shape of your room, Vicoustic can offer a range of solutions based on your budget and preferred "look". Our easy-to-use website calculator provides some instant suggestions, showing combinations of product to suit different requirements.

Vicoustic also offers a bespoke design service, tailored to your specific working needs.



Vicoustic authorized dealer



www.vicoustic.com

