ACOUSTIC LUXURY LINE

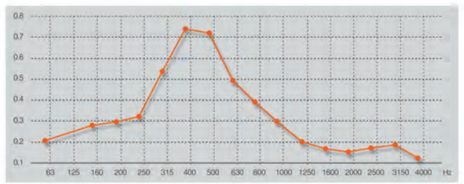
ACOUSTIC PRODUCTS

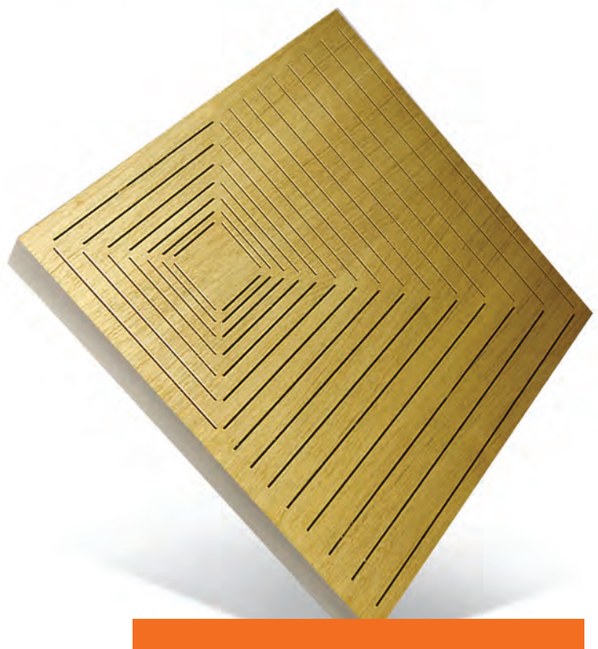
ACER

Acer Panel is acoustic lining for achieving of optimum sound absorption in the mid-range frequency (300-600Hz).
In order to combine vision with acoustic effectiveness were conducted multiple simulations and measurements for reaching of the described in the sound absorbing graphics optimal results. The location, the depth and the length of the openings, the type of the material and finishing plane, the cellular structure of the porous material, the total thickness of the panel as well as many other parameters are result of a thorough research and experiments.

Technical data

Dimensions	500 mm x 500 mm
Thickness	57 mm
Material	Perforated MDF maple finish and acoustic foam
Weight	2.14 kg per unit
Color	White and maple wood finish
Installation	On walls and ceilings through direct gluing
Perforation	10%



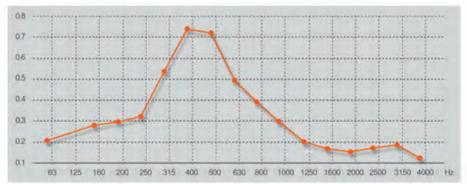


CIRCULO

CIRCULO Panel is a wall sound absorbing panel designed for mid- range frequencies. Its perforated MDF finish and the acoustic foam make it suitable for improving acoustics in both residential and public spaces.
CIRCULO panel is ideal choice for acoustic solution by combining not only outstanding sound absorbing qualities but also attractive design. This perforated acoustic panel with its exclusive design can create a magnificent visionary effect in every space.

Technical data

Dimensions	500 mm x 500 mm
Thickness	57 mm
Material	Perforated MDF maple finish and acoustic foam
Weight	2.14 kg per unit
Color	White and maple wood finish
Installation	On walls and ceilings through direct gluing
Perforation	10%



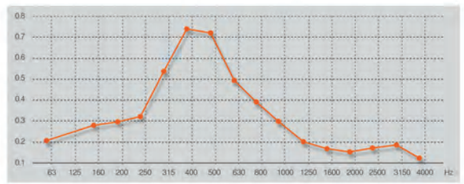


WavO

WavO is a perforated acoustic wall panel with exquisite design which gives excellent indication for sound absorbing capacity. This panel with its combination of acoustic foam and perforated MDF face is a highly effective solution for room acoustic. Its impressive design inspired by the acoustic waves form different kind of arrangements which makes it suitable for every interior. Its sound absorbing qualities contributes to the audibility in residential and public premises.

Technical data

Dimensions	500 mm x 500 mm
Thickness	57 mm
Material	Perforated MDF maple finish and acoustic foam
Weight	2.14 kg per unit
Color	White and maple wood finish
Installation	On walls and ceilings through direct gluing
Perforation	9.7%





ACOUSTIC LUXURY LINE

ACOUSTIC PRODUCTS

ACOUSTIC CLASSIC LINE



ACOUSTIC PRODUCTS

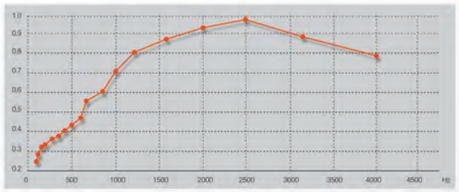
ACOUSTIC CLASSIC LINE

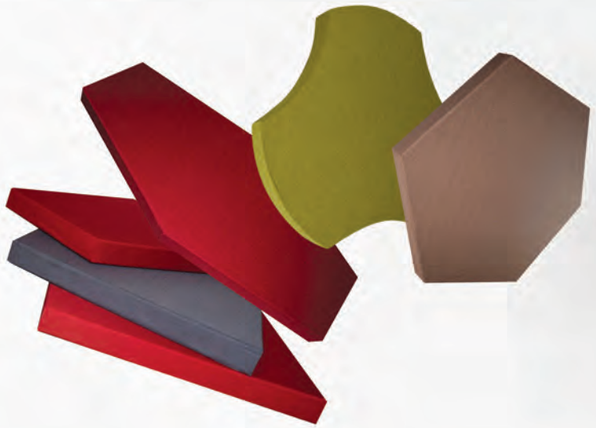
ACOUSTIC PRODUCTS

BASE, BEELIVE, ROOGLE & STELIO

The Designer acoustic panels with fabric finish are a design solution for acoustic treatment.
The product's shape and design give everyone the chance to create different shapes and compositions on the walls in residential areas, offices or restaurants. The panels could match each interior design.
The designer fabric wrapped panels have a core of technical polyurethane with a density of 18-30 and an acoustic textile finish. The acoustic textile contributes for the good sound absorption of the panels, turning them into ideal solution for rooms where acoustic treatment and esthetic vision are needed.

MODEL	BASE	BEELIVE	ROOGLE	STELIO
Material:	Core of acoustic foam wrapped in acoustics fabric			
Diamensions	400 x 410 x 250 x 40 mm	d- 470 mm Thickness: 40 mm	610 x 310 x 40 mm	R - 15; R - 21 Thickness: 40 mm
Weight:	~ 300 gr.	~ 400 gr.	~ 500 gr.	~ 600 gr.
Color:	T 01 - T 22 (color samples availbale on the back of the catalogue)			
Installation:	Wall or celing, glued			

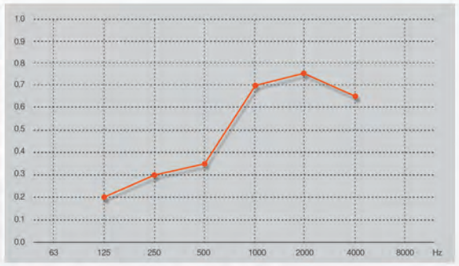




ECHO CLOUD

Compared to the classical ceiling sound absorbing panels glued directly to the ceiling, Echo Cloud has 1.3 times higher efficiency for the same quadrature. The integrated perforated strips on the edge of the panel increase the sound absorption in the mid and low frequency range. The core of Echo Cloud is a highly efficient polyurethane, with an open cell structure, particularly effective in the range of 400-650 Hz, which are most characteristic of the human voice.

Echo Cloud panel is effective when applied in large open spaces where acoustical treatment is needed. It is very cost-effective way to reduce reverberation time and eliminate sound reflections from the ceiling and other surfaces in treated environment. They are easy to install on concrete, metal frames or gypsum board ceilings.

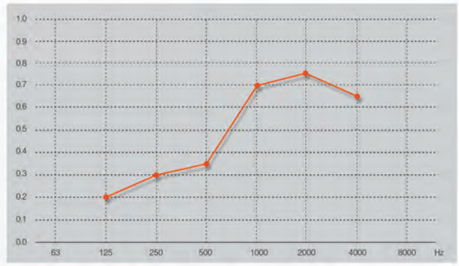




ECHO MOON

Echo Moon is a high-performance sound absorbing hanging panel designed to be sound-absorbing except for its front and back.

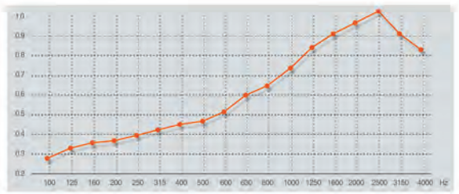
Echo Moon forms an impressive architectural expression of the rooms in which it is mounted without interfering with existing lighting. When the Echo Moon is combined with appropriate artificial or natural lighting, it can further contribute to the elegance of the interior, making the rooms acoustically enjoyable for living. The core of Echo Moon is a highly efficient polyurethane, with an open cell structure, particularly effective in the range of 400-650 Hz, which are most characteristic of the human voice.





Fabric Wrapped Acoustic Panels

The sound absorption wall panels have core from acoustic foam and acoustic fabric finish.
Our fabrics contribute to the acoustic performance of the panels, thus becoming a perfect solution for spaces where acoustics is important. The textile finish adds stylish and cozy touch to the treated space. The acoustic wall panels with fabric finish are available in two size options and also colour alternatives to suit various interior styles. The fabric acoustic panels are easy to install and clean.

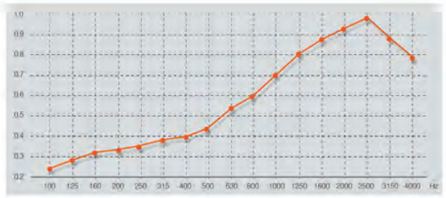


Standard diamensions	500 x 500 x 40 mm	500 x 500 x 50 mm	500 x 500 x 80 mm	1000 x 1000 x 40 mm	1000 x 1000 x 50 mm	1000 x 1000 x 80 mm
Material:	Core of acoustic foam wrappedin acoustics fabric					
Weight:	~ 300 gr.	~ 400 gr.	~ 500 gr.	~ 600 gr.	~ 800 gr.	~ 1000 gr.
Color:	T 01 - T 22 (color samples availbale on the back of the catalogue)					
Installation:	Wall or celing, glued or in construction					



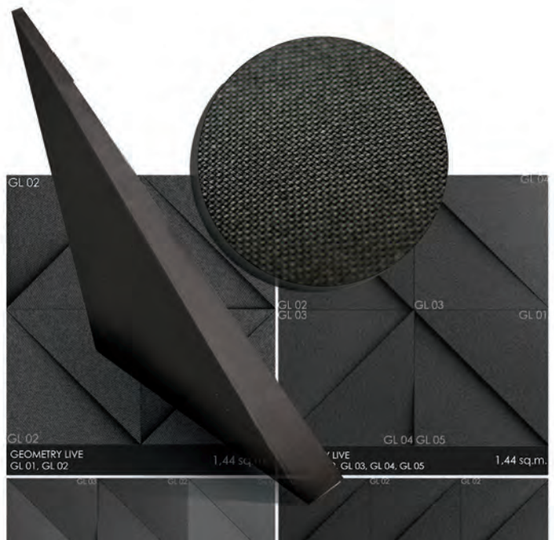
GLL® Fabric wrapped acoustic panels

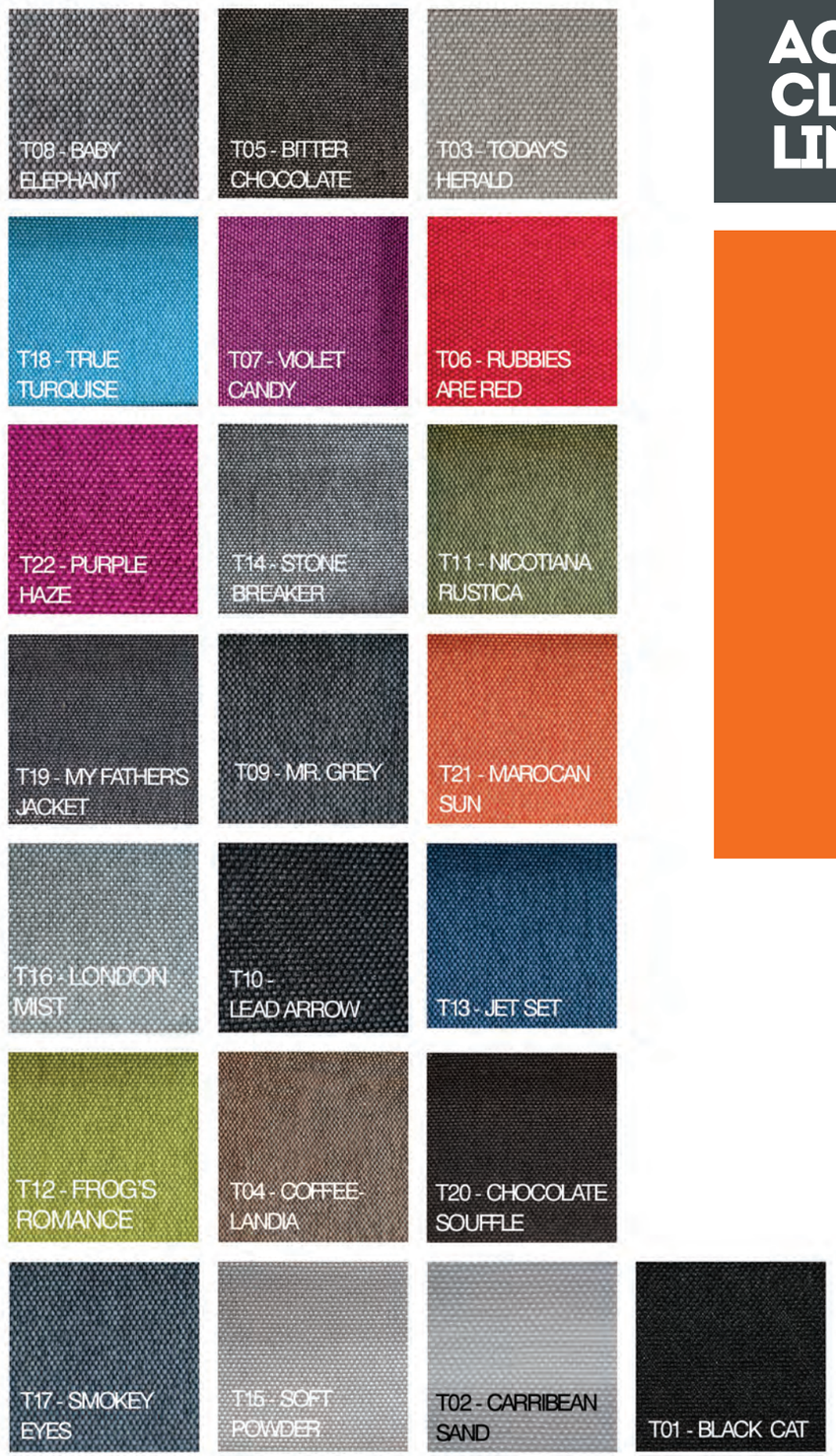
Geometry Live Line ® brings live to your walls. The aesthetic value of the product, combined with high absorbing parameters make it ideal choice for offices, recording studios, multifunctional halls, schools and universities, clubs and restaurants. GLL® consists of five triangle elements with different inclination - GL1, GL2, GL3, GL4, GL5, which can be combined in countless spectacular geometric and colour compositions suitable for different interior needs. GLL® is specially developed for DECIBEL by the Think Forward Design Studio.



Technical data

Dimensions	600 x 600 x 840 mm
Thickness	from 30 to 60 mm
Material	Core of acoustic foam wrapped in acoustics fabric
Weight	0.282 kg per unit
Color	T 01 - T 22
Installation	On walls and ceilings through direct gluing





ACOUSTIC CLASSIC LINE

ACOUSTIC PRODUCTS

ACOUSTIC STANDARD LINE

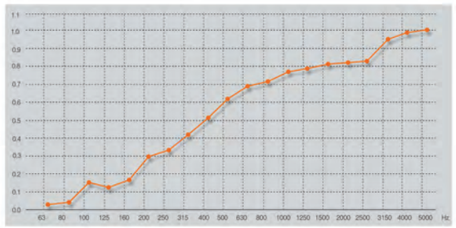
ACOUSTIC PRODUCTS

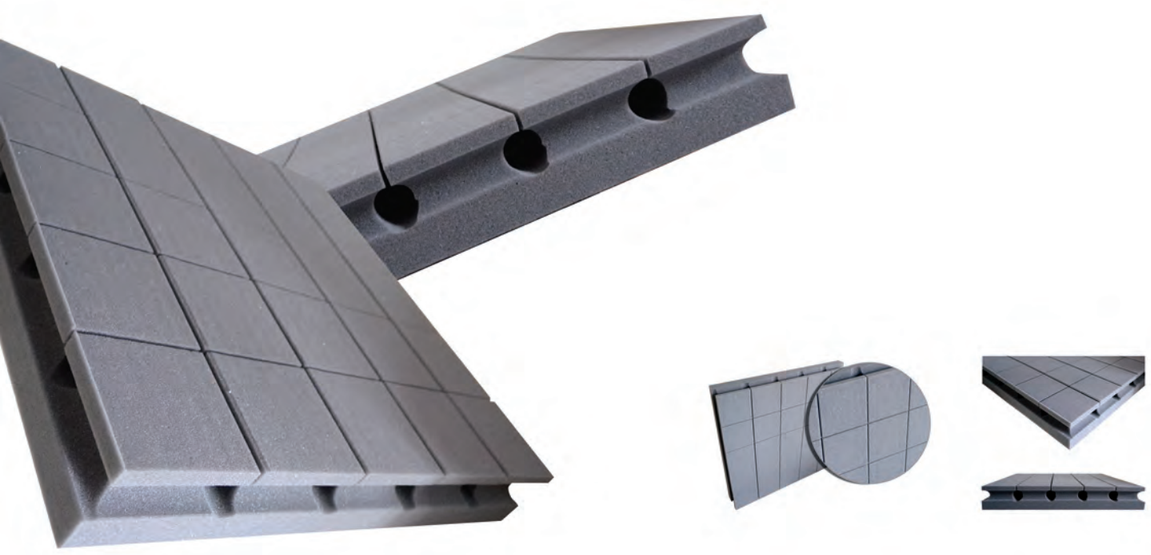
Square Raster Absorber

Acoustic panel Square Raster Absorber achieves high results in the absorption of mid and high frequency range. The application of the element in recording, TV and radio studios guarantees high class acoustic solution. Another advantage in the application process is that when the elements are mounted next to each other the joints remain hidden and the holes in its core could be used as cable routes.

Technical data

Dimensions	500 mm x 500 mm
Thickness	75 mm
Material	Acoustic Foam
Weight	0.490 kg per unit
Color	dark grey
Installation	On walls and ceilings through direct gluing
CDH Hardness 40 %	1,5 kPa (ISO 3386)
Density	25 kg./m3 c (ISO 845)



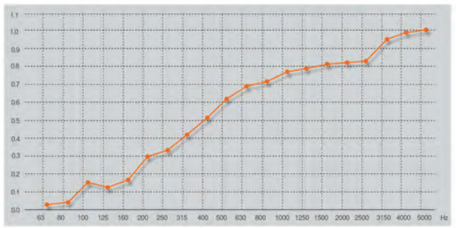


Gyza Raster Absorber

Acoustic panel Gyza Raster Absorber is made of a special polyurethane foam specially designed to absorb medium and high frequencies. The shape and size of the grid makes it most effective for any specialized areas. Each plate has recesses and grooves to further facilitate the efficiency of the panel.

Technical data

Dimensions	500 mm x 500 mm
Thickness	95 mm
Material	Acoustic Foam
Weight	0.610 kg per unit
Color	dark grey
Installation	On walls and ceilings through direct gluing
CDH Hardness 40 %	1,5 kPa (ISO 3386)
Density	25 kg./m3 (ISO 845)





ACOUSTIC STANDARD LINE

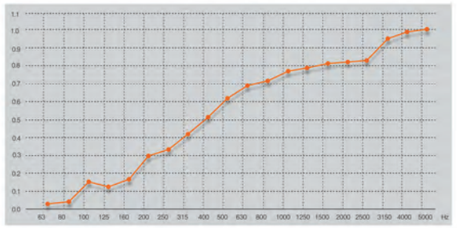
ACOUSTIC PRODUCTS

Wedge Absorber

Wedge Absorber acoustic panel is one of the classic sound absorption solutions used in millions of music studios and rooms for achieving optimum acoustic performance. Effectively reduces the negative impact of standing waves and flutter echo in the rooms. Wedge Absorber is the „working horse“ in the acoustic treatment of all geometries and volumes of premises without requiring the assistance of a professional acoustics. The sound absorption levels of the panel in the high frequency range can be changed by rotating it in horizontal or vertical direction and thereby to adjust the volume relative to the listener desire.

Technical data

Dimensions	1000 mm x 2000 mm
Thickness	35 mm
Material	Acoustic Foam, class B1
Weight	2.450 kg per unit
Color	dark grey
Installation	On walls and ceilings through direct gluing
CDH Hardness 40 %	1,5 kPa (ISO 3386)

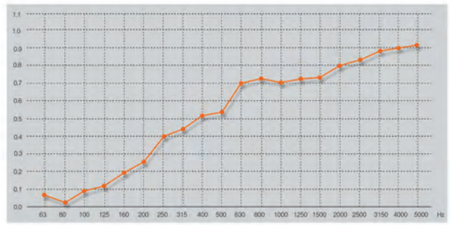


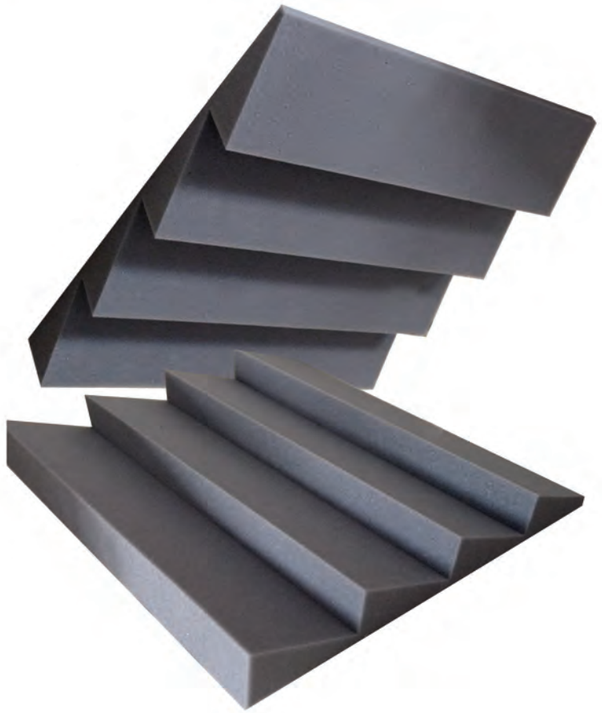
Z Absorber

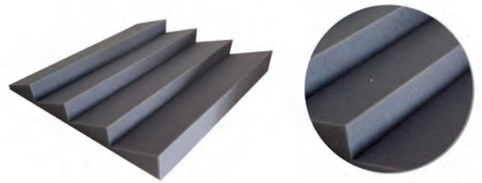
Made from polyurethane foam, this absorber with innovative design provides sound absorption in the medium and high frequencies.
The „Z“ shape makes it suitable for stacking horizontally or vertically on walls and ceilings, giving them a modern and highly effective design for the absorption of the the first reflections and partial diffusion of the sound wave.

Technical data

Dimensions	420 x 1000 mm
Side wall	300 x 1000 mm
Material	perforated wooden plate and acoustic fabric (face)
Weight	5 kg per unit
Color	T 01 - T 22
Installation	corner glued
Perforation	3,14 %







ACOUSTIC STANDARD LINE

ACOUSTIC PRODUCTS

ACOUSTIC STANDARD LINE

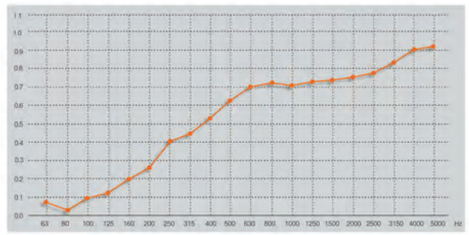
ACOUSTIC PRODUCTS

Techfoam

Techfoam has a certificate of class reaction to fire, class B1. The sprecial geometric shape of the front side further enhances the sound - absorbing properties. It is suitable for direct bonding on horizontal and vertical surfaces of metals, plasters, plastics. The total sound - absorption coefficient of a 4 cm thick Techfoam panel is = 0.80 and the panel's sound insulation reaches a reduction of 6 dB.

Technical data

Dimensions	1000 mm x 2000 mm
Thickness	35 mm
Material	Acoustic Foam, class B1
Weight	2.450 kg per unit
Color	dark grey
Installation	On walls and ceilings through direct gluing
CDH Hardness 40 %	1,5 kPa (ISO 3386)
Density	50 kg./m3 (ISO 845)



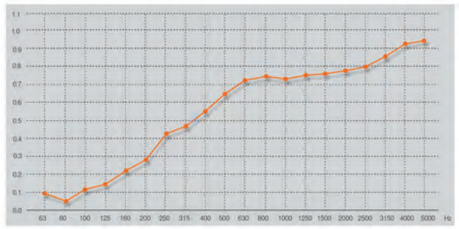


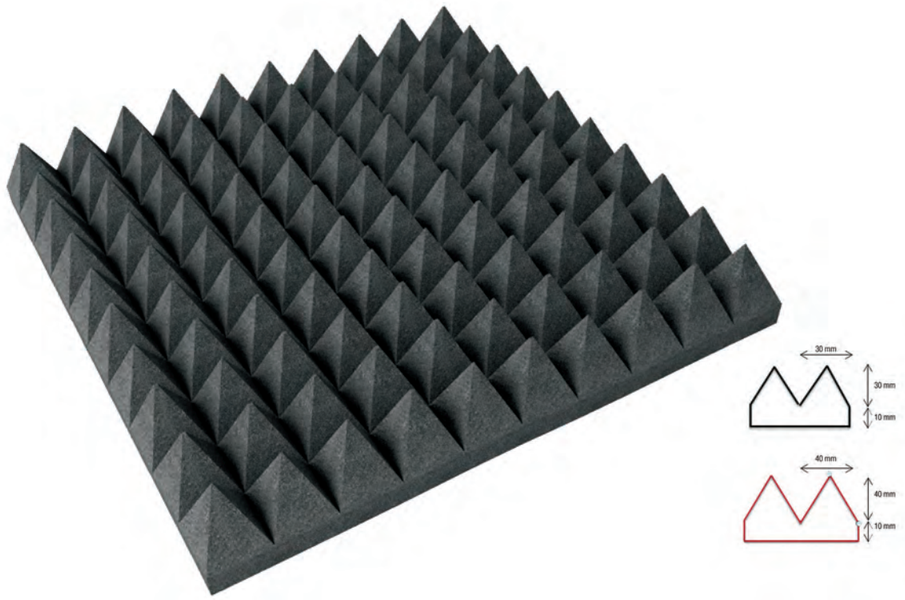
Ecopol Piramid 334, 445

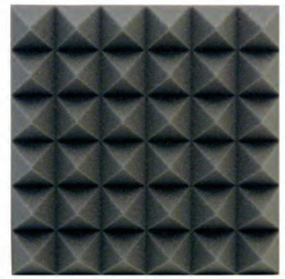
The Ecopol Pyramid foam panel has a surface design that allows the panels to follow each other seamlessly. The geometry and the open cell structure of the material, make it a workable and widely spread solution for acoustic treatment of recording studios, clubs and even offices. The Pyramid foam is suitable for ceilings and walls, it is easy to cut and glue to the desired sizes and shapes. Ecopol is offered with two thicknesses - 4 cm and 5 cm.

Technical data

Dimensions	1000 mm x 2000 mm
Thickness	40 mm; 50 mm
Material	Acoustic Foam
Weight	0.700 kg; 0.800 kg per unit
Color	dark grey
Installation	On walls and ceilings through direct gluing





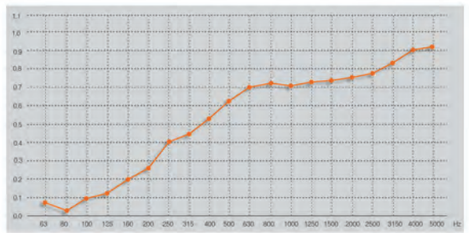


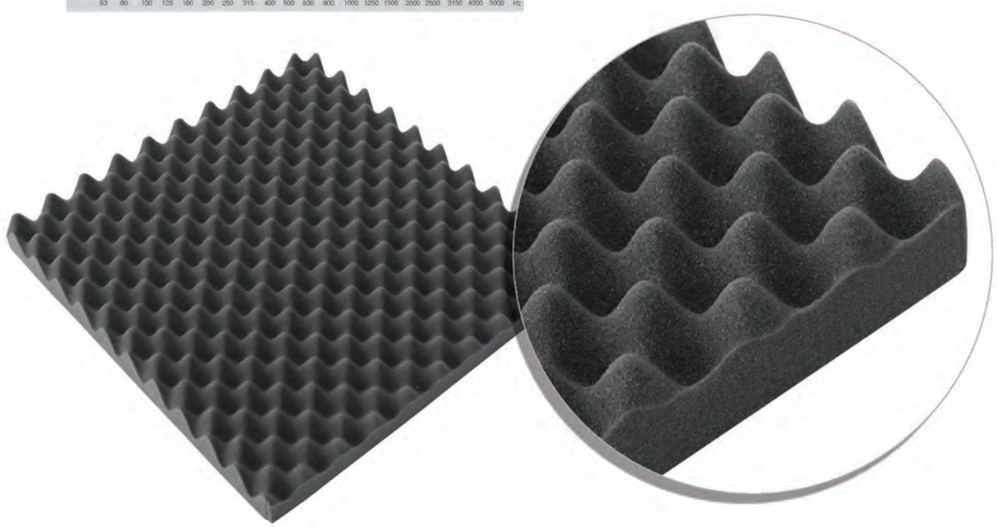
Eggshell piramid

Eggshell pyramid is an acoustic panel with very good sound-absorbing properties, through to its open cell structure and specific geometry. Used for acoustic treatment mainly in recording studios, discos, bars, home theater, rooms with noisy machines, automobiles and others, where it is necessary to reduce the „reverberation“ or maximum absorption with the aim of making vocal or instrumental recordings. The shapes used in the design of the eggshell pyramid are designed in order to seek unique design and good functionality, by preventing the spread of the sound wave.
Acoustic panel shows good results in mid and high frequencies (500 - 2000 Hz).

Technical data

Dimensions	1000 mm x 2000 mm
Thickness	40 mm; 50 mm
Material	Acoustic Foam
Weight	0.700 kg; 0.800 kg per unit
Color	dark grey
Installation	On walls and ceilings through direct gluing



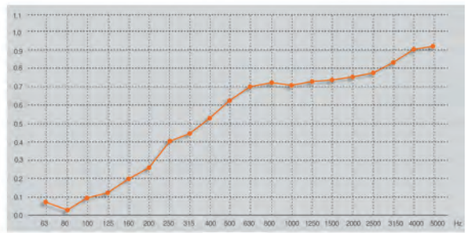


Flat Absorber

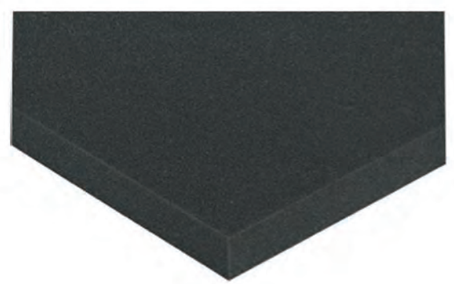
The Flat Absorber panels offered by DECIBEL are made of polyurethane foam. This Absorber with innovative design provides sound absorption in the medium and high frequencies.
The flat panels are suitable for acoustic treatment of recording studios, sound editing rooms, rehearsal and music halls and anywhere else where acoustic treatment is needed.

Technical data

Dimensions	1000 mm x 1000 mm
Thickness	10 mm
Material	Acoustic Foam
Weight	0.205 kg per unit
Color	dark grey
Installation	On walls and ceilings through direct gluing
CDH Hardness 40 %	1,5 kPa (ISO 3386)
Density	25 kg./m3 (ISO 845)







ACOUSTIC STANDARD LINE

ACOUSTIC PRODUCTS

SoundPro Kit

SoundPro Kit is an acoustic set of 12 super - efficient acoustic elements for achieving crystal clear sound in indoor premises. SoundPro is for those who listen or play music, watch movies and look for the experience of true home cinema. SoundPro Kit contains combination of Decibel Motive panel, Wedge Absorber and Z Absorber mixed for reaching the best acoustic effect.

Made from polyurethane foam, these absorbers with innovative design provide sound absorption in the medium and high frequencies.

Technical data

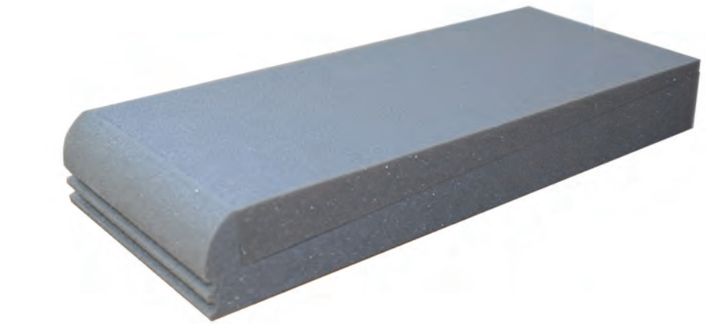
Product	DECIBEL MOTIVE with printed image	Wedge Absorber	Z Absorber
Dimensions	1000 mm x 500 mm	450 mm x 450 mm	450 mm x 450 mm
Thickness	50 mm	40 mm	50 mm
Material	Acoustic foam and acoustic fabric	Acoustic foam	Acoustic foam

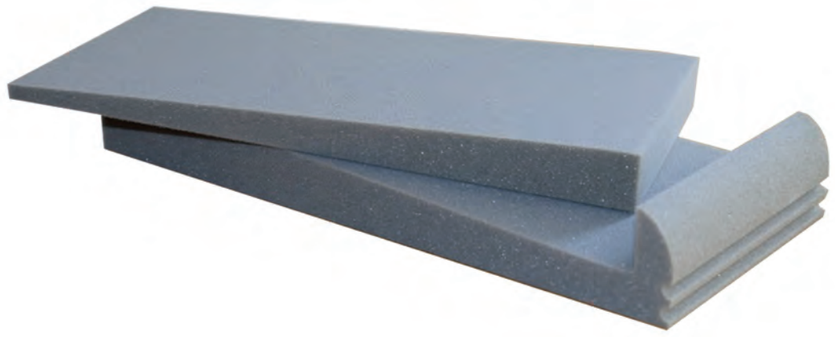


Wow acoustic pads

Wow acoustic pads are specially designed monitor pads that reduce vibrations transmitted by the studio monitors to the surface below. These pads are made of acoustic foam with optimal technical density, lightweight, very easy to install and compatible with a wide range of monitors.

The Wow pads sloping design helps to position the monitor and to be easily adjusted. These acoustic pads are available in a kit with a cap that allows additional setting of the angle.





ACOUSTIC STANDARD LINE

ACOUSTIC PRODUCTS

“P“ bass trap

„P“ bass trap is exclusively designed to provide effective low-frequency absorption between 125-250Hz. The wooden plate comes in 7 mm thickness and has 3.14% of perforation made of 15 cross shaped openings. The openings are in the shape of „cross“ are more effective than the standard round holes.

The perforated face plate and the body of acoustic foam act as „Helmholtz resonator“. To get the complete ultimate look, we have covered the bass trap with an elegant black acoustic fabric that gives the final touch of the „P“ bass trap. It is designed for application in the corners of the room, where excess sound energy in this spectrum is accumulated.

Technical data

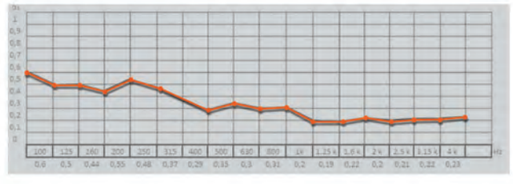
Dimensions	420 x 1000 mm
Side wall	300 x 1000 mm
Material	perforated wooden plate and acoustic fabric (face)
Weight	5 kg per unit
Color	T 01 - T 22
Installation	corner glued
Perforation	3,14 %





Acoustic DIFFUSOR/ABSORBER

The Dfusor is an excellent diffusor, as the rounded surface makes sure incoming soundwaves are effectively reflected back in a different direction from which it was received. This panel will start diffusing from about 600Hz and upwards.
As the front panel is perforated, the longer sound waves are able to pass through and thus start absorbing as well from about 80Hz and up. However, due to the characteristics of the front cover, the absorbption coefficient is reduced quite effectively from mid-bass levels and up, and will therefore not introduce the unwanted effect of reducing the perceived size of the room even if the panels are placed quite close to the listener.





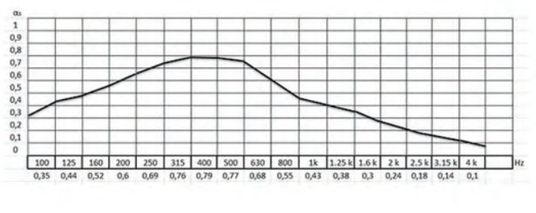


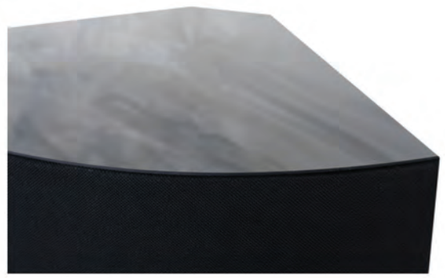
ACOUSTIC STANDARD LINE

ACOUSTIC PRODUCTS

BASS TRAP corner whit 400HZ

The BASS TRAP CORNER WITH 400HZ uses a special type of membrane that reflects off waves at 400 Hz and up, while still absorbing the lower frequencies down to 100Hz. The result is a very effective bass trap that can be placed even close to seating positions, for example directly behind the listener to tame those first reflections off your back wall. The Ultra Bass Trap is with dimensions 25x25x120 cm.
The bass trap is covered in a very nicely textured black fabric and is suited for even the most upscale theater room. The top is nicely finished using an acrylic black section.







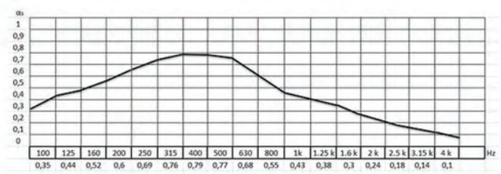
Acoust IQ 400 bass

Acoust IQ 400 bass uses a special type of membrane that reflects off waves at 400 Hz and up, while still absorbing the lower frequencies down to 100Hz. The result is a very effective bass trap that can be placed even close to seating positions, for example directly behind the listener to tame those first reflections off your back wall. Acoust IQ 400 bass is with dimensions 60x120x20 cm.

The bass trap is covered in a very nicely textured black fabric and is suited for even the most upscale theater room.

Technical data

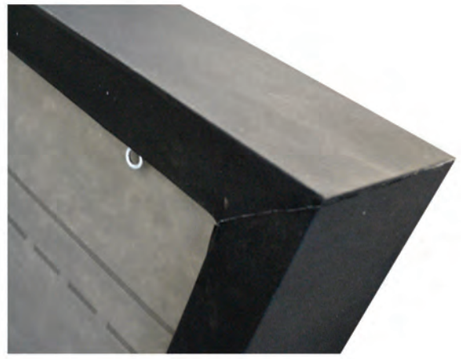
Dimensions	420 x 1000 mm
Side wall	300 x 1000 mm
Material	perforated wooden plate and acoustic fabric (face)
Weight	5 kg per unit
Color	T 01 - T 22
Installation	corner glued
Perforation	3,14 %





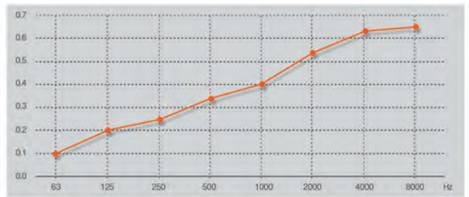
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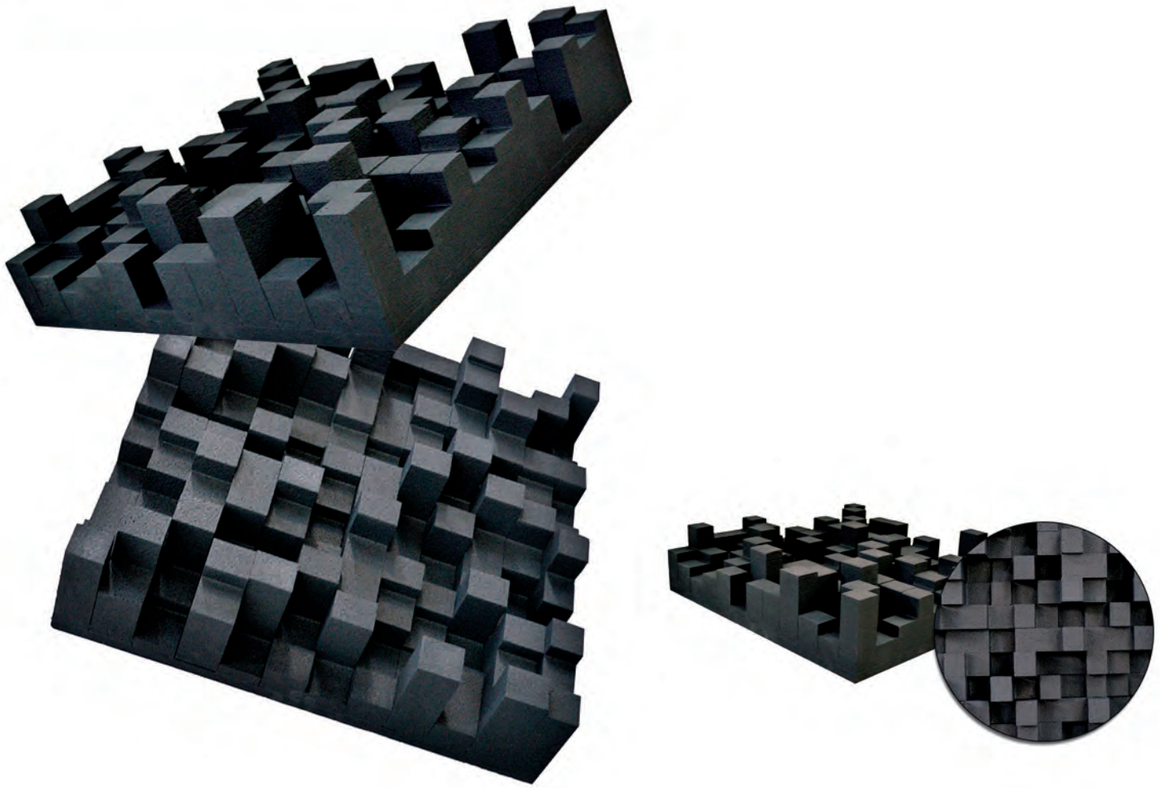
Skyline Diffuser

Skyline Diffuser is a three dimensional diffusion panel that is usually applied to walls or ceilings, providing double diffusion on both vertical and horizontal planes in listening rooms. It works on high frequencies, outlining and clarifying the sound.
Skyline Diffuser is made from high quality EPS (Expanded Polystyrene) and is remarkable not only for its precise performance in avoiding problems like lack of speech intelligibility or music definition, but also for its futuristic design that fits perfectly in any kind of room.



Technical data

Dimensions	600 x 600 mm
Highest point	150 mm
Material	expanded polystyrene
Color	white and dark grey
Installation	direct mounting with glue
EDA	0,71 mà

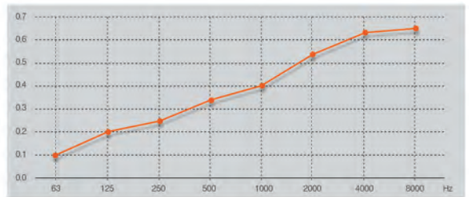


Aztec Diffuser

Aztec Diffuser is made of expanded polystyrene (EPS) and offers optimal results in the range of medium and high frequencies, helping to increase the diffuse sound field. The innovative design allows to achieve extreme visual effect via diffuse grid made of at least four Aztec diffusers.

Technical data

Dimensions	600 x 600 mm
Highest point	150 mm
Material	expanded polystyrene
Color	white and dark grey
Installation	direct mounting with glue
EDA	0,71 mà





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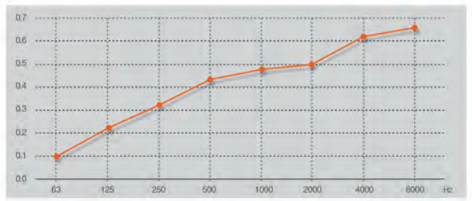
ACOUSTIC PRODUCTS

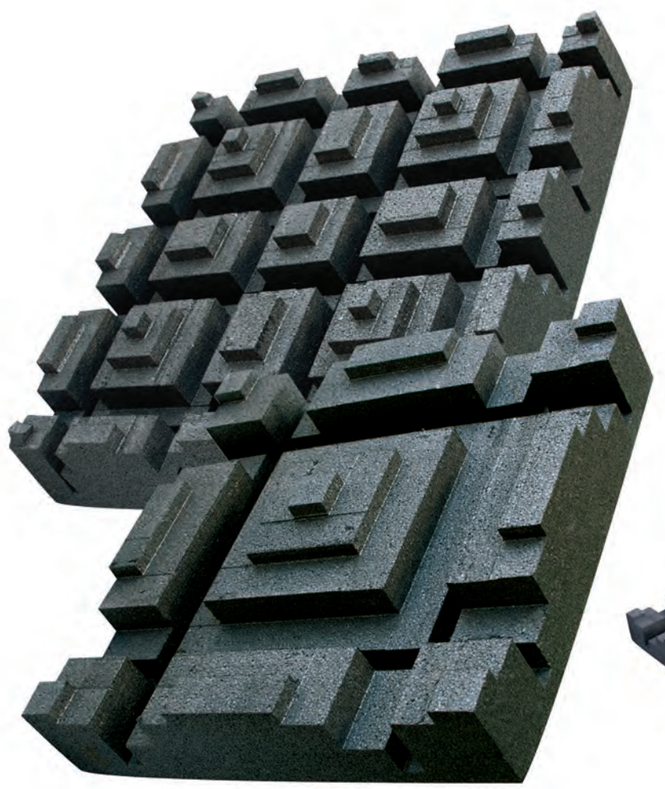
Inca Diffuser

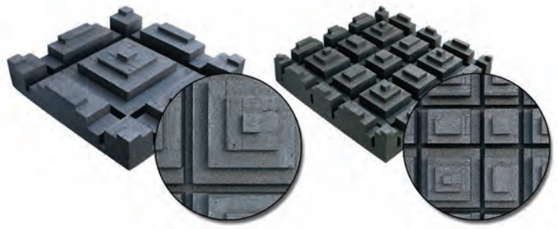
Inca Diffuser is an excellent choice in the search for ways to increase the diffuse sound field. Inka is made of expanded polystyrene (EPS), extremely lightweight and very easy to install. It offers optimal results in the medium and high frequency range. It's design is unusual, acoustically and aesthetically balanced and helps to achieve an abstract visual effect via diffuse grid made of at least four Inca Diffusers.

Technical data

Dimensions	600 x 600 mm
Highest point	150 mm
Material	expanded polystyrene
Color	white and dark grey
Installation	direct mounting with glue
EDA	0,85 mà





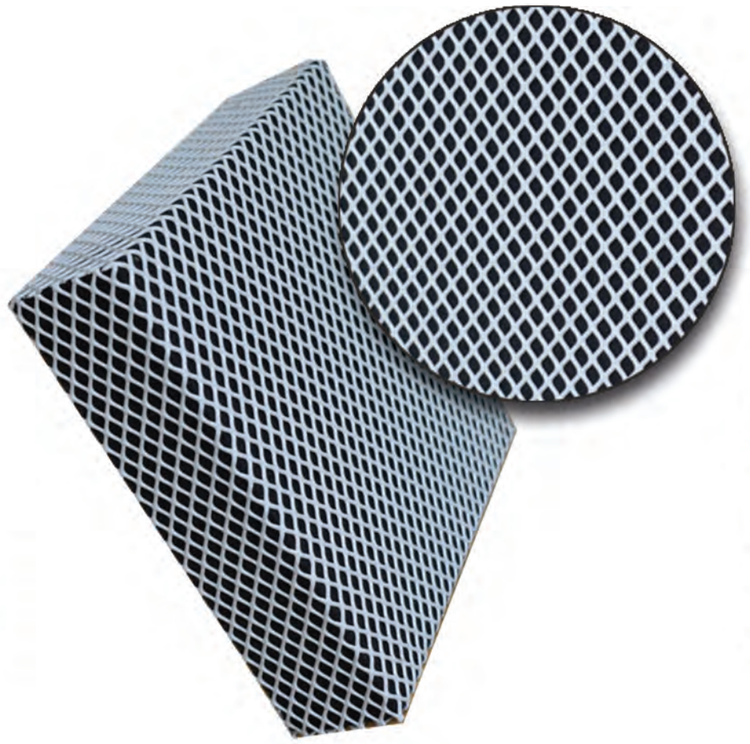


MESH PANELS

Mesh panels are product for indoor sound insulation and absorption. The front part is made of perforated steel with openings with different diameter depending on the sound absorption needs. The core is from glass veil and mineral filz. Mesh panels could be painted in any RAL Color to match different project requirements and each interior design.
Mesh panels are with 50 mm thickness and are offered in three standard dimensions 1850 x 850 mm, 850 x 850 mm, 350 x 850 mm and also could be manufactured in custom sizes.
The sound absorption coefficient of the product is Lw=0,85.

Technical data

Width	850; 850; 350 mm
Length	1850; 850; 350 mm
Thickness	50 mm
Material	Perforated steel with glass veil and mineral filz
Weight	???
Sound absorption	Lw=0,85
Color	by choice RAL

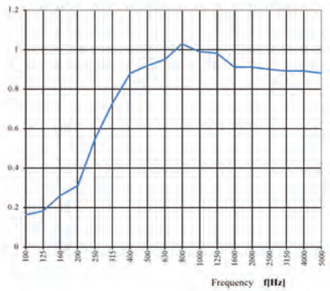


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ACOUSTIC PRODUCTS

Sound absorption coefficient

f [Hz]	α_s	f [Hz]	α_s	f [Hz]	α_s
100	0.16	400	0.88	1600	0.91
125	0.18	500	0.92	2000	0.91
160	0.26	630	0.95	2500	0.90
200	0.31	800	1.03	3150	0.89
250	0.55	1000	0.99	4000	0.89
315	0.73	1250	0.98	5000	0.88



SCREENUS BASE SEPARATOR

Soundproofing and sound absorbent separator Screenus Base provides an acoustic shadow at the workplace. Depending on the seating position it reduces the volume of sound in the range of 3 to 9 dB. Its sound insulation coefficient D1, r is 9 dB and the sound absorption coefficient is D1, a = 6 dB. The two-sided sound-absorbing layer improves the acoustic environment in the room and reduces the reverberation.

The Screenus Base acoustic separator is made of two layers acoustic foam, providing sound absorption at mid and high frequencies and medium – density fibreboard used as a middle layer of the product.

Several separators can be combined in various L, T, and U-shaped configurations.

Application and installation

The Screenus Base desk separator is designed to be used mainly in open - plan offices, call centers and in rooms, where acoustic comfort is needed. The design of the product and the variety of textile colors make them suitable for any type of office and allow it to be easily combined with the existing interior design of the room in which the product will be used.

Technical data

Material	Acoustic foam, MDF board, acoustic textile and aluminum bottom frame
Color	The product is available in 22 colors
Dimensions	140 cm X 40 cm
Custom sizes	For sizes on request, please contact us on contact@decibel.bg
Types	L, T and U – shaped configurations
Thickness	2.8 - 3 cm
Weight	7.500 kg
Application	By attaching the separator with screws, aluminum profiles and fastening elements



SCREENUS SHARP SEPARATOR

Soundproofing and sound absorbent separator Screenus Sharp provides an acoustic shadow at the workplace. Depending on the seating position it reduces the volume of sound in the range of 3 to 9 dB. Its sound insulation coefficient D1, r is 9 dB and the sound absorption coefficient is D1, a = 6 dB. The two-sided sound-absorbing layer improves the acoustic environment in the room and reduces the reverberation.

The Screenus Sharp acoustic separator is made of two layers acoustic foam, providing sound absorption at mid and high frequencies and medium – density fibreboard used as a middle layer of the product.

Several separators can be combined in various L, T, and U-shaped configurations.

Application and installation

The Screenus Sharp desk separator is designed to be used mainly in open - plan offices, call centers and in rooms, where acoustic comfort is needed. The design of the product and the variety of textile colors make them suitable for any type of office and allow it to be easily combined with the existing interior design of the room in which the product will be used.

Technical data

Material	Acoustic foam, MDF board, acoustic textile and aluminum bottom frame
Color	The product is available in 22 colors
Dimensions	140 cm x 40 cm
Custom sizes	For sizes on request, please contact us on contact@decibel.bg
Types	L, T and U – shaped configurations
Thickness	2.8 - 3 cm
Weight	7.500 kg
Application	By attaching the separator with screws, aluminum profiles and fastening elements



SCREENUS PRO SEPARATOR

Soundproofing and sound absorbent separator Screenus Sharp provides an acoustic shadow at the workplace. Depending on the seating position it reduces the volume of sound in the range of 3 to 9 dB. Its sound insulation coefficient D1, r is 9 dB and the sound absorption coefficient is D1, a = 6 dB. The two-sided sound-absorbing layer improves the acoustic environment in the room and reduces the reverberation.

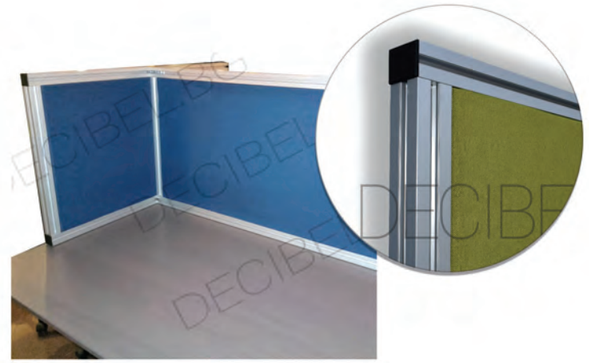
TheAcoustic Screenus Pro separator is made of two layers of acoustic foam, providing sound absorption at medium and high frequencies and a high density fibreboard serving as a middle layer of the product. The outer frame of the separator is made of high-quality aluminum profiles, which helps for achieving an elegant design look.

Application and installation

The Screenus Pro desk separator is designed to be used mainly in open - plan offices, call centers and in rooms, where acoustic comfort is needed. The design of the product and the variety of textile colors make them suitable for any type of office and allow it to be easily combined with the existing interior design of the room in which the product will be used, and the aluminum frame adds a complete and elegant style to the product.

Technical data

Material	Acoustic foam, MDF board, acoustic textile and high-quality aluminum profiles
Color	The product is available in 22 colors
Dimensions	140 cm X 60 cm
Custom sizes	For sizes on request, please contact us on contact@decibel.bg
Types	L, T and U – shaped configurations
Thickness	4 cm
Weight	21.700 kg
Application	Lateral or frontal application with fasteners Direct mounting with assembled configurations



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