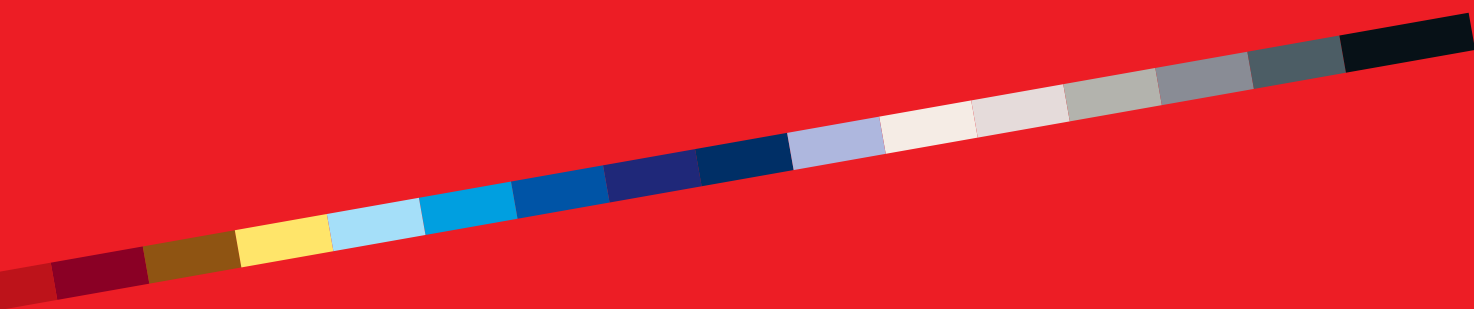


Stereo

flexible, easy to install, modular acoustics



by Texaa®





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Stereo by Texaa® is a comprehensive range of modular acoustic absorbers used to reduce the sound reverberation in offices, libraries, cafeterias, restaurants, multipurpose rooms, kindergartens, exhibition spaces, meeting halls, etc.

The **Stereo** range includes:

- panels, suspended from the ceiling,
- screens, suspended from the ceiling, positioned between ceiling and floor or placed on feet,
- panels to be screwed or clipped onto the wall or the ceiling
- cubes and cones to be scattered around the room
- «Fractus» tiles, especially designed for standard T grid false ceilings

This wide range allows a large selection of possibilities for acoustic correction in many types of environments.

Stereo objects are modular, very easy and fast to install, easy to reposition, the perfect solution for renovation and acoustic "repair" when the acoustic situation is poor. They are a highly simplified acoustic correction system, easy to adapt to changes in room use or future redesign.

Extremely durable, **Stereo** meets fire safety requirements for public places.

The nature of their components prevents the development of house dust mites and micro organisms, they can be placed very close to the users, for optimum comfort.

Available in a range of 23 colors, **Stereo** products complement any environment, décor or material, whether contemporary or traditional.

It is also possible to personalize **Stereo** panels by digital printing.

Panels suspended horizontally

Stereo panels adapt to all shapes and types of ceilings. They can accommodate or create unusual aerial architectures, highlighting volumes by their colors and surface texture.

Stereo panels can be suspended with vertical or horizontal cables.

Option two visible sides

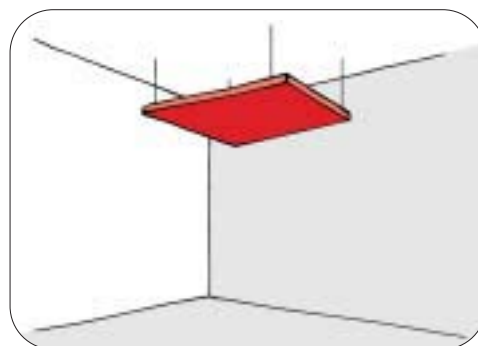
To be used whenever both sides of panel are visible.

The fitted fabric cover neatly upholsters all visible sides and corners of panels.

Option prepared for light fixture

The **Stereo** can be supplied with a pre-positioned hole so a light fixture can be fitted on site.

This feature provides a product with the double function of visual and acoustic comfort; an "acoustic light fixture".



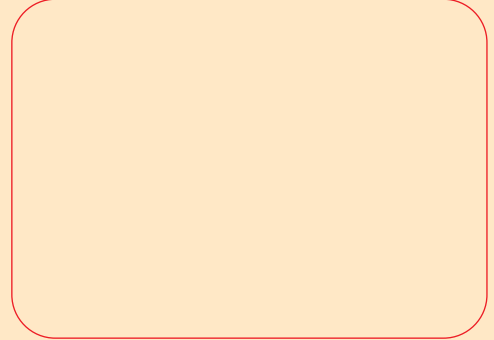
The **Stereo** panels are available in three sizes :

- | | |
|---------------------------------|---------------------------|
| - 596 x 1196 x 50 mm (3,4 kg) | ± 2' x 4' x 2" (7.5 Lbs) |
| - 1196 x 1196 x 50 mm (4,7 kg) | ± 4' x 4' x 2" (10.4 Lbs) |
| and 1196 x 2396 x 50 mm (10 kg) | ± 8' x 4' x 2" (22 Lbs) |

They are made of a microporous acoustic foam and an **Aeria** fabric fitted cover (available in 23 colors) which can be removed and dry cleaned.

A metal frame maintains their shape, stability, rigidity and reliability in their various installation methods.

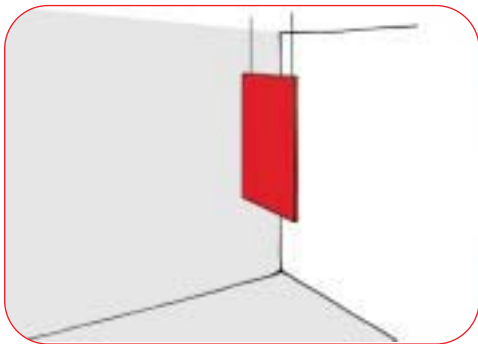




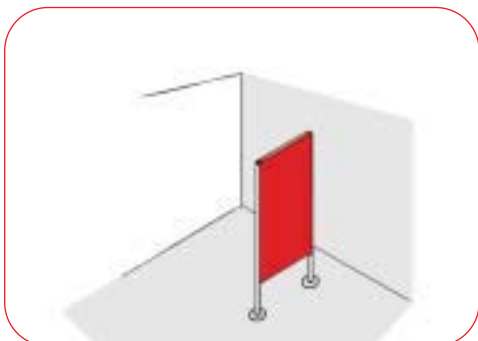
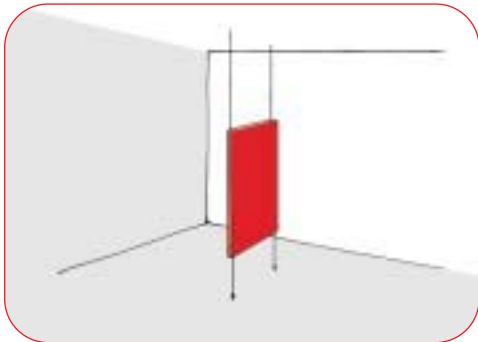
Rust-proof coating
is available as a finish option.

Vertical screens

The **Stereo** vertical screens, fabric-covered on all faces, can provide an acoustic answer ideal for large volumes and open spaces: offices, cafeterias, corridors, etc. They can be used to separate specific areas and to break down volumes with a solution both original and movable. The fabric stretch cover is engineered so all faces and corners are perfectly upholstered.



Simply suspended from the ceiling, or stretched between floor and ceiling with vertical cables, it is a unique and safe way to achieve the acoustic comfort of the users that combines a practical and unusual visual separation.



On the floor, on feet
A totally movable screen which is convenient for temporary room usage and reconfigurations. Newly designed round foot, available in gray metallic lacquer. (RAL ± 7040).

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They are made of a microporous acoustic foam and an **Aeria** fabric fitted cover (available in 23 colors) which can be removed and dry cleaned. A metal frame maintains their shape, stability, rigidity and reliability in their various installation methods.

Fixed panels

Stereo panels fabric-covered on one face can be fixed to walls or to low ceilings. They provide an incomparable acoustic response, due to the fact that each sound absorber can be placed both on the vertical and horizontal planes and at optimal distance from the user. Because of their remarkable acoustic efficiency, only a small number of panels is required.

On ceilings

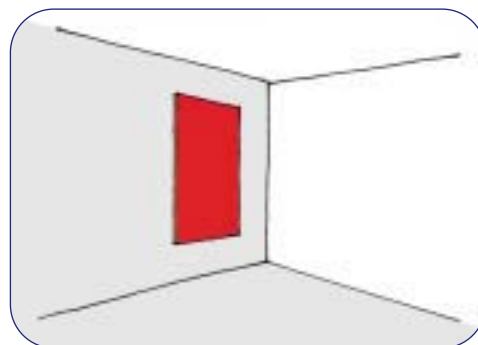
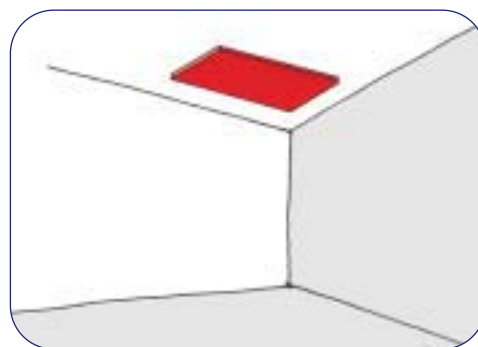
Stereo panels are screwed on two rails 20 mm from the ceiling. They can also be grouped together in spaced absorption areas, or spread evenly across the ceiling surface.

On walls

They are fixed with 4 clips on 2 rails screwed on the wall.

Strong mechanical resistance (24 kg per clip) combined with easy removal

These rails can be placed in continuous lines so as to form clusters of contiguous absorption areas or they can be layed out in fragmented spaced lines. For metal walls or partitions, a magnetic installation is also possible (4 magnets at the back of each panel).

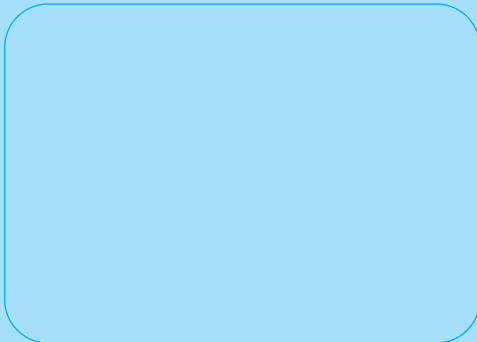
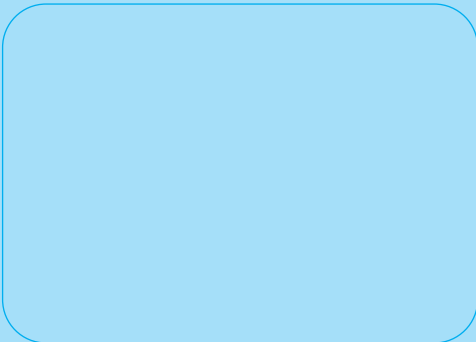
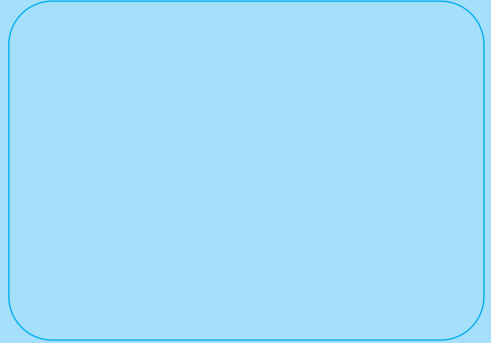


The **Stereo** panels are available in three sizes :

- | | |
|---------------------------------|---------------------------|
| – 596 x 1196 x 50 mm (3,4 kg) | ± 2' x 4' x 2" (7.5 Lbs) |
| – 1196 x 1196 x 50 mm (4,7 kg) | ± 4' x 4' x 2" (10.4 Lbs) |
| and 1196 x 2396 x 50 mm (10 kg) | ± 8' x 4' x 2" (22 Lbs) |

They are made of a microporous acoustic foam and an **Aeria** fabric fitted cover (available in 23 colors) which can be removed and dry cleaned. A metal frame maintains their shape, stability, rigidity and reliability in their various installation methods.





Cubes, cones and Fractus tiles are available in the 23 Aeria color palette.

Cubes, cones and Fractus tiles

These objects are the perfect answer to problems of acoustic reverberation sometimes difficult to solve. They give life to spaces and adapt to all ceilings, high or low, with quick and easy integration to the existing décor. They provide a playful, cheerful and colorful acoustic response which creates really unusual ambiances. An acoustic expression indeed!

For high ceilings

When the possibilities to use the ceiling space are limited, the **Stereo** cubes and cones come as a unique solution.

Installing with vertical or horizontal cables, they float in space, minimally contacting the ceiling surface, for maximum efficiency.

The cubes

The removable, replaceable stretch cover is zipped around the acoustic core.

Suspended with a cable attached to one corner.

– small cube: 250mm (0,28kg), ±10" / 0.62 Lbs

– large cube: 500mm (1,6kg), ±20" / 3.5 Lbs

The cones

They also have a cover fitted around the acoustic core.

Suspended with a cable attached to either end.

One single size: 610 x 180 x 60mm (0,2kg), ± 24" x 7" x 2.4" / 0.44 Lbs.



For low false ceilings

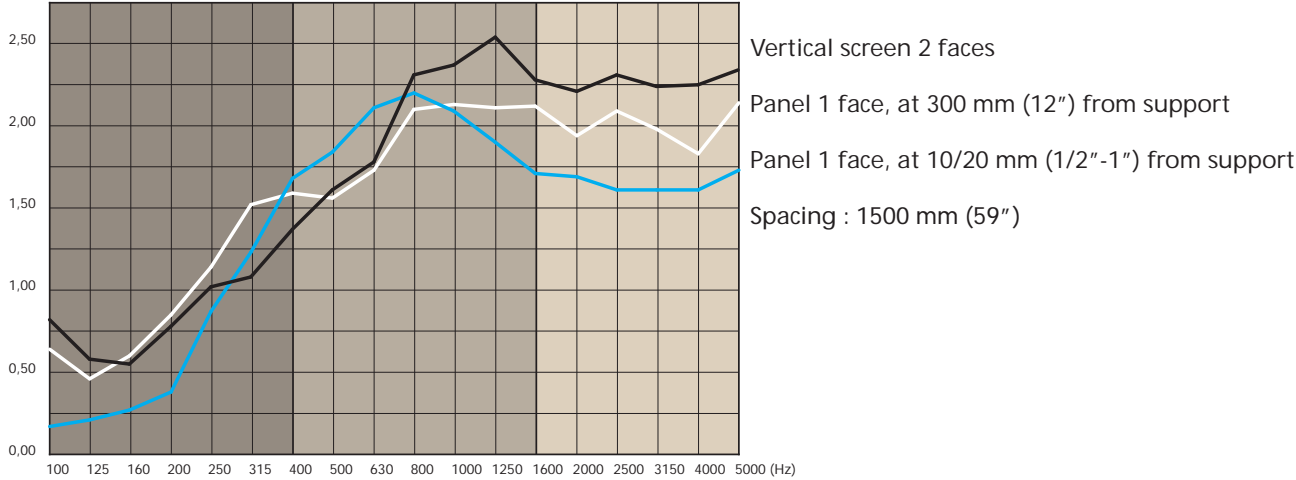
Novelty by Texaa® !

Fractus tiles

Especially designed for standard T-grid suspended ceilings (T 24 mm, 1"), the **Stereo** Fractus tiles are inserted within the conventional existing metal grid and held in place with small metal clips. They provide a third dimension and color to the ceilings. Standard dimensions are 575 x 575 x 83 mm (but can be adapted to other ceiling standards, i.e. for example 2' x 2' x 3.3"). They can be used in most office environments. No preparation nor tools are required : insertion and removal takes only a few seconds.

Acoustics

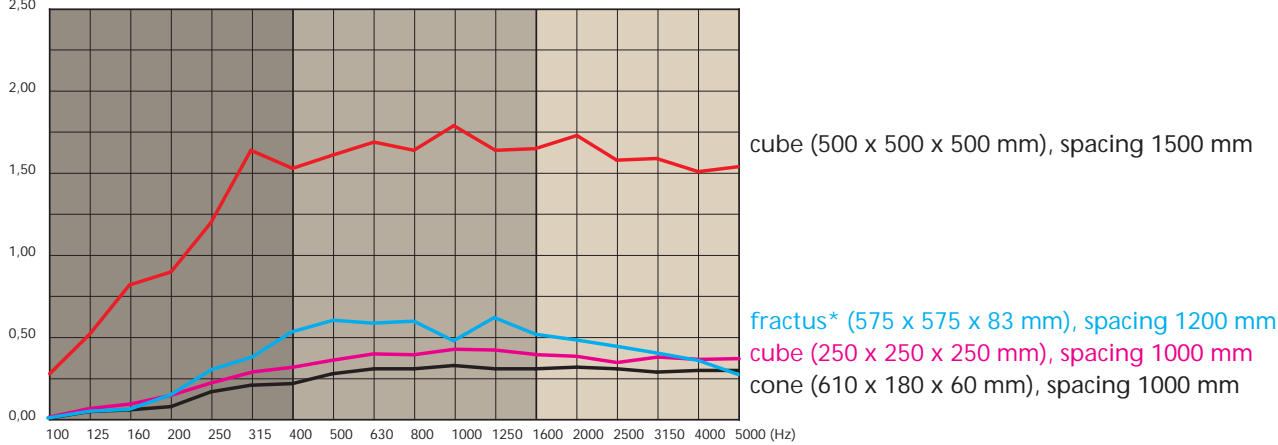
► For a panel 1196 x 1196 x 50 mm (4' x 4' x 2")
Equivalent absorption area of an object A(m²)



| panel 1 face | 125 | 250 | 500 | 1000 | 2000 | 4000 | 5000 |
|-------------------------------------|------|------|------|------|------|------|------|
| suspended, at 300 mm from support | 0.46 | 1.14 | 1.56 | 2.13 | 1.94 | 1.83 | 2.14 |
| screwed/magnet, at 10/20 mm fm sup. | 0.21 | 0.87 | 1.84 | 2.09 | 1.69 | 1.61 | 1.73 |
| screen 2 faces | 0.58 | 1.02 | 1.61 | 2.37 | 2.21 | 2.25 | 2.34 |

When light fixtures are embedded within a panel,
the acoustic performance may be reduced – please consult us.
[Acoustic test reports available on request](#)

► For a cube, a cone or a fractus tile
Equivalent absorption area of an object A(m²)



| | 125 | 250 | 500 | 1000 | 2000 | 4000 | 5000 |
|---|------|------|------|------|------|------|------|
| cube 500 x 500 x 500 mm (20") | 0.52 | 1.20 | 1.61 | 1.79 | 1.73 | 1.51 | 1.54 |
| cube 250 x 250 x 250 mm (10") | 0.06 | 0.19 | 0.38 | 0.42 | 0.40 | 0.36 | 0.38 |
| cone 610 x 180 x 60 mm (24"x7"x2.4") | 0.05 | 0.17 | 0.28 | 0.33 | 0.32 | 0.30 | 0.30 |
| fractus 575 x 575 x 83 mm* (2'x2'x3.3") | 0.02 | 0.33 | 0.56 | 0.47 | 0.49 | 0.37 | 0.26 |

* the above performance may differ depending on the acoustic performance
of the existing conventional ceiling tiles. Please contact us.
[Acoustic test reports available on request](#)



Optional :
> "padded effect"
 – 1 button for dimensions
 1196 x 596 x 50 and 1196 x 1196 x 50 mm
 ($\pm 2'$ x $4'$ x $2''$ and $4'$ x $4'$ x $2''$)
 – 2 buttons for dimensions
 1196 x 2396 x 50 mm
 ($\pm 8'$ x $4'$ x $2''$)

NOVELTY 2005

Personalize your **Stereo** panels
 by digital printing of fabric cover
 with texts, logos, images.
 This is possible with printing data
 supplied on a CD-Rom.
 It is a design option
 and an extension to solid colors.



Optional:
> bevelled or rounded edges
 + 50 mm ($\pm 2''$) to be added
 to panel dimensions.



panels Stereo

Typical spec sheet

The acoustic correction of the rooms on this sheet will be made using **Stereo** panels by **Texaa®**, consisting in :

- micro porous foam,
 - steel frame,
 - **Aeria** fabric stretch cover,
- and defined as follows :

| | Panels suspended | Panels fixed | Screens |
|--|-------------------|--------------|------------------|
| | horizontal 1 face | 1 face | vertical 2 faces |

Dimensions - weight

Indicate

| | | | |
|---|--------------------|-------------------|--------------------|
| <input type="checkbox"/> 596 x 1196 x 50 mm (2'x 4'x 2") | 3.4 kg (7.5 Lbs) | 3.4 kg (7.5 Lbs) | 3.5 kg (7.7 Lbs) |
| <input type="checkbox"/> 1196 x 1196 x 50 mm (4'x 4'x 2") | 4.7 kg, (10.4 Lbs) | 4.7 kg (10.4 Lbs) | 5.0 kg (11 Lbs) |
| <input type="checkbox"/> 1196 x 2396 x 50 mm (8'x 4'x 2") | 10.0 kg (22 Lbs) | 10.0 kg (22 Lbs) | 11.0 kg (24.2 Lbs) |

Feet of screens : 6.85 kg (15 Lbs) /unit

Stability meets with standard EN 1023-3:2000

Installation

| Indicate | <input type="checkbox"/> with vertical cables | <input type="checkbox"/> screwed on rails | <input type="checkbox"/> with vertical cables |
|----------|---|---|---|
| | <input type="checkbox"/> with horizontal cables | > on ceiling | > from ceiling |
| | | <input type="checkbox"/> clipped on rails | <input type="checkbox"/> with vertical cables |
| | | > on wall | > from ceiling to floor |
| | <input type="checkbox"/> with threaded rods* | <input type="checkbox"/> magnetic | <input type="checkbox"/> on feet |
| | *except option 2 faces | | |

Options

| Indicate | <input type="checkbox"/> prepared for lighting* | | |
|----------|--|---|---|
| | <input type="checkbox"/> printing on fabric | <input type="checkbox"/> printing on fabric | <input type="checkbox"/> printing on fabric |
| | <input type="checkbox"/> padded effect | <input type="checkbox"/> padded effect** | |
| | <input type="checkbox"/> 2 faces (up. face covered) | | |
| | <input type="checkbox"/> bevelled borders* | <input type="checkbox"/> bevelled borders | |
| | <input type="checkbox"/> rounded borders* | <input type="checkbox"/> rounded borders | |
| | <input type="checkbox"/> swimming pool* (rust proof coated frame) | | <input type="checkbox"/> swimming pool (rust proof coated frame) |
| | *except option 2 faces | **except wall installation | |

Absorption at medium frequencies A (m²)

| | | | |
|---------------------|------|------|---------------|
| 596 x 1196 x 50 mm | 0.91 | 0.91 | 0.90 (estim.) |
| 1196 x 1196 x 50 mm | 1.87 | 1.87 | 1.90 |
| 1196 x 2396 x 50 mm | 3.45 | 3.45 | 3.45 |

| | | | | | | | | | | |
|--------|--|--|--|--|--|--|--|--|--|--|
| Safety | Fire rating M1 non dripping for each component | | | | | | | | | |
| Colors | | | | | | | > to be selected from 23 colors (round knitting color chart) | | | |
| Number | | | | | | | | | | |
| Rooms | | | | | | | | | | |

Maintenance

- **Aeria** fabric fitted cover, highly durable, removable/ replaceable and dry-cleanable.
- Surface protection with an anti-static and water/oil repellent coating.
- Vacuum clean every 1 to 5 years depending on environment.

Manufacturing time

- 3 weeks for standard products
- 4 weeks for the options

Stereo cubes, cones and fractus tiles

Typical spec sheet

The acoustic correction of the rooms hereafter will be made with **Stereo** objects by Texaa®, consisting in :

- micro porous foam,
 - fabric stretch cover,
 - **Aeria** fabric fitted cover,
- and defined as follows :

Shapes, dimensions and weight

| Indicate | <input type="checkbox"/> small cube | <input type="checkbox"/> large cube | <input type="checkbox"/> cone | <input type="checkbox"/> fractus tile |
|--------------------------|--|-------------------------------------|-------------------------------|---------------------------------------|
| dimensions (mm) | 250 x 250 x 250 | 500 x 500 x 500 | 610 x 180 x 60 | 575 x 575 x 83 |
| dimensions (inch.) | 10" x 10" x 10" | 20" x 20" x 20" | 24" x 7" x 2.4" | 2' x 2' x 3.3" |
| weight | 0.28 kg (0.62 Lbs) | 1.6 kg (3.5 Lbs) | 0.2 kg (0.44 Lbs) | 0.8 kg (1.7 Lbs) |
| place of install | ceiling | ceiling | ceiling | false ceiling |
| Installation type | suspended cable | suspended cable | suspended cable | metal plates |
| Indicate | <input type="checkbox"/> from small base | | | |
| | <input type="checkbox"/> from large base | | | |

Absorption at medium frequencies A (m²)

| | | | | |
|--|------|------|------|------|
| | 0.39 | 1.65 | 0.29 | 0.54 |
|--|------|------|------|------|

* the above performance may differ depending on the acoustic performance of the existing conventional ceiling tiles.

Please contact us.

| | | | | | | | | | | |
|--------|--|--|--|--|--|--|---|--|--|--|
| Safety | Fire rating M1 non dripping for each component | | | | | | | | | |
| Colors | | | | | | | > to be selected from a range of 23 colors (round knit color chart) | | | |
| Number | | | | | | | | | | |
| Rooms | | | | | | | | | | |

Maintenance

- Aeria fabric fitted cover, highly resistant, removable and dry-cleanable
- Surface protection with an anti-static and water/oil repellent coating
- Vacuum cleaner every 1 to 5 years depending on environment

Manufacturing time

- 3 weeks for standard products

Special offer

- 30% discount when random colors are accepted by client:

1 set of large cubes = 3 large cubes, or
 1 set of small cubes = 12 small cubes, or
 1 set of cones = 2 or 9 cones, or
 1 set of Fractus tiles = 9 tiles

Current examples of utilization (this info is only indicative)

Number of Stereo panels (one face) 1196 x 1196 x 50 mm (4' x 4' x 2") in a room used for

| | meeting | office | music | class | play | eating room | multipurp. room |
|--|---------|--------|-------|-------|------|-------------|-----------------|
| 60 m ³ (2 100 ft ³) | 4 | 5 | 4 | | | | |
| 100 m ³ (3 500 ft ³) | 7 | 8 | 5 | | | | |
| 150 m ³ (5 300 ft ³) | 10 | 13 | 6 | 7 | 9 | 13 | |
| 200 m ³ (7 000 ft ³) | 15 | 16 | 9 | 10 | 14 | 17 | |
| 250 m ³ (8 800 ft ³) | 20 | 18 | 12 | 14 | 18 | 23 | |
| 300 m ³ (10 500 ft ³) | 24 | 22 | 15 | 17 | 23 | 27 | 13 |
| 350 m ³ (12 300 ft ³) | 27 | 25 | 17 | 21 | 29 | 33 | 16 |
| 400 m ³ (14 000 ft ³) | 32 | 31 | 18 | 24 | 33 | 39 | 20 |
| 600 m ³ (21 000 ft ³) | 41 | 44 | 24 | 35 | 49 | 57 | 28 |
| 900 m ³ (32 000 ft ³) | 68 | 68 | 39 | 66 | 78 | 87 | 40 |

Acoustic equivalence

1 panel 1 face 1196 x 1196 x 50 mm (4'x 4' x 2")
= 7 cones
= 4 small cubes
= 1 large cube
= 3 fractus tiles

References presented

- > restaurant Villa 9 Trois, Montreuil, France
- > meeting room, Paris (arch. P. Rubin), France
- > théâtre Le Safran, Amiens, France
- > Hôtel-Restaurant Campanile, Bordeaux-Cestas (interior arch. P. Panchaud, Archigraph studio)
- > restaurant Le Chalet Lyrique, Gradignan, France
- > LVMH, Boulogne (Studio Architecture), France
- > Danone-Vitapole, Palaiseau (Architecture Studio, acoustician E. Vivie), France
- > school, Neuilly-sur-Seine (arch. Lena et Mangeot), France
- > school Vlerick, Gand, Belgium
- > call centre StratoTect, Berlin, Germany
- > Texaa, Gradignan (arch. A. Triaud), France
- > restaurant Le Sélénite, Bordeaux (S. Fillière et J-F Dingjian, designers), France
- > restaurant Le Père Ouvrard, Le Bouscat, France

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