

KIT

STAIDTREAT
BOX
SYSTEM

JOCAVI[®] KITBOX

The market of musical production and home-cinemas in small rooms has been one of the fastest growing markets.

Mindful of this segment's needs, JOCAVI[®] features acoustic treatment products and solutions which are practical and accessible to all.

These are convincing ideas for those customers who wish to solve the acoustics of their room with a practical sense and a controlled budget.

To choose the room dimensions is a good way to start the design of a music room, followed by the insertion of the acoustic treatment panels and subsequent installation of the sound or video equipment.

Particular attention must be given to the loudspeakers, since a suitable framing with the listener is required for a good performance of the system. Various software, namely multi-dimensional tools, may be used for optimisation as they can automatically determine the best locations for the sources and the listener. The next step is to optimise the acoustic components in order to interconnect the listener with the loudspeakers.

By observing these steps, your room will have a good distribution of modal pressure. Besides, it will be acoustically balanced and ready to receive from the smoothest to the strongest percussion sounds from your sound system.

This way, the modal emphasis and the SBIR (speaker-boundary interference response) are simultaneously minimised to produce the best response from the room.

To facilitate the design of this type of rooms, JOCAVI[®] developed these KITBOX which correspond to different room sizes in a do-it-yourself scheme.

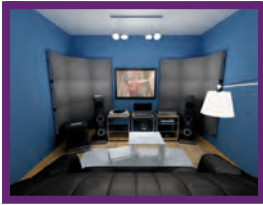
The KITBOX are easy to assemble and include all the necessary accessories and mounting instructions at anyone's reach. These rooms were acoustically simulated with the dimensions mentioned in each case and later verified with acoustic analyses. They may serve as a comparison to find a solution for your space.

These are practical and efficient ideas for those customers who are interested in advanced technology when wishing to add a solution to the acoustic treatment of a room.

These are proposals for customers who look for practical solutions coupled with a rather refined aesthetic effect, with the visual display of all the acoustic products.



Sabine: 0.48 sec



DESCRIPTION

The STAITREAT® is an innovative modular system designed to aesthetically conceal the acoustic treatment in its room in a very sober manner. The finishing plate made of pressed mineral sand is similar for the three models. As the engineering portion of each model, the STAITREAT® consists of three different models with very different acoustic absorption curves and performance. The semi-transparent mineral granulate plate also combines the absorption and unidirectional micro-diffusion features. The different specificities of each model are well combined to fit the room's requirements. This range of panels is particularly meant for small and medium-sized rooms that require an outstanding acoustic balance. The KITBOX set has been created for home-cinemas, studios, conference halls and auditoriums providing them with a very pleasant atmosphere.

The JOCAVI® KITBOX 01 has been created for small-sized home-cinema rooms, home-studios and rehearsal rooms measuring between 13 and 17 square metres. The acoustic treatment modules must also be placed in relation to the listener and the speakers, while minimising the SBIR (speaker-boundary interference response) and the modal emphasis to produce a frequency response as flat as possible in the room. Give your ears an opportunity to see how the performance of your sound system improves. All packs are supplied with assembly instructions, as well as the glues and tools which are necessary to install the acoustic modules.

WHERE TO APPLY :

Rooms with an area between: 13 and 17 square meters.

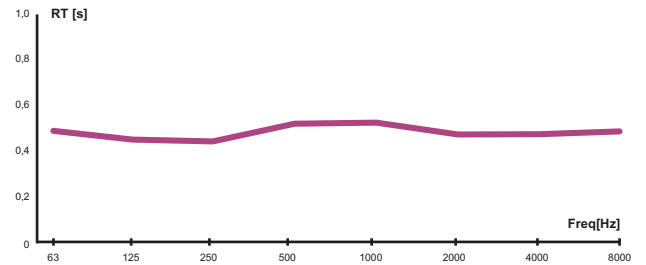
Rooms with volumes between: 35 and 45 cubic meters.

For use in small-sized home-theatre rooms, home-studios, Hi-fi rooms or instrument rooms.

FEATURES

- Values were obtained by simulation in specific JAS® software and later confirmed through acoustic analyses in the rooms.
- The simulated rooms were tested with all the materials and equipments shown in the images, and the mentioned JOCAVI®KIT BOX 01 acoustic panels.
- Traditional construction room with dimensions: (L,W,H): 4.31m / 3.58m / 2.80m.
Walls: masonry with painted fine stuff and a wooden door.
Ceiling: 12 mm - thick plaster.
Floor: natural floating parquet.

ABSORPTION COEFFICIENT AND GRAPHIC



FREQUENCY	63 Hz	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz
αS	0.48	0.44	0.43	0.52	0.53	0.47	0.47	0.49

Sabine: 0.48 sec

KITBOX 01 QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
BXA060	Staidtreat®BXA	12	—	—	✓
BXW060	Staidtreat®BXW	9	—	—	✓
WBA060	Staidtreat®WBA	12	—	✓	—

STANDARD MINERAL GRANULATED COLOURS



BLACK



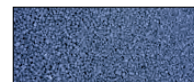
MAROON



BROWN



RED



BLUE



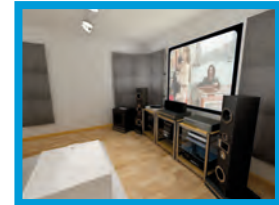
GREY

IMPORTANT NOTICES

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- Colours may vary due to raw-material suppliers' changes and some differences may occur in total range.
- Typical Indoor Comfort Standards state a temperature range of 20°C - 27°C (68°F - 81°F), and a relative humidity of less than 60%. These would be considered as normal operational levels of JOCAVI® products' range.
- Sizes may vary slightly due to their production method and some inherent raw-materials characteristics.



Sabine: 0.51 sec



DESCRIPTION

The **STAITREAT®** is an innovative modular system designed to aesthetically conceal the acoustic treatment in its room in a very sober manner. As the engineering portion of each model, the **STAITREAT®** consists of three different models with very different acoustic absorption curves and performance. The semi-transparent mineral granulate plate also combines the absorption and unidirectional micro-diffusion features. The different specificities of each model are well combined to fit the room's requirements. This range of panels is particularly meant for small and medium-sized rooms that require an outstanding acoustic balance. The **KITBOX** set has been created for home-cinemas, studios, conference halls and auditoriums providing them with a very pleasant atmosphere.

The **JOCAVI® KITBOX 02** has been created for small-sized home-cinema rooms, home-studios and rehearsal rooms measuring between 17 and 24 square metres. The **JOCAVI® KITBOX 02** approach consists in adjusting the room dimensions to sizes which are slightly bigger than those of the **JOCAVI® KITBOX 01**. The acoustic treatment modules must also be placed in relation to the listener and the speakers, while minimising the SBIR (speaker boundary interference response) and the modal emphasis to produce a frequency response as flat as possible in the room. Give your ears an opportunity to see how the performance of your sound system improves. All packs are supplied with assembly instructions, as well as the glues and tools which are necessary to install the acoustic modules.

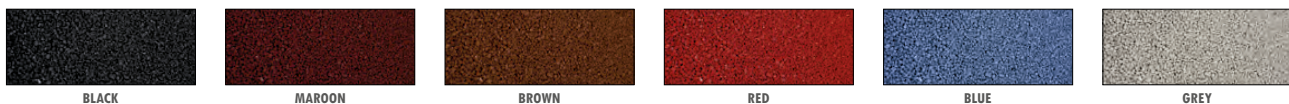
WHERE TO APPLY :

Rooms with an area between: 17 and 24 square meters.
Rooms with volumes between: 45 and 58 cubic meters.
For use in small and medium-sized home-theatre rooms, home-studios, Hi-fi rooms or instrument rooms.

FEATURES

- Values were obtained by simulation in specific JAS® software and later confirmed through acoustic analyses in the rooms.
- The simulated rooms were tested with all the materials and equipments shown in the images, and the mentioned **JOCAVI® KITBOX 02** acoustic panels.
- Traditional construction room with dimensions: (L,W,H): 5.82m / 4.00m / 2.50m.
Walls: masonry with painted fine stuff and a wooden door.
Ceiling: 12 mm - thick plaster.
Floor: natural floating parquet.

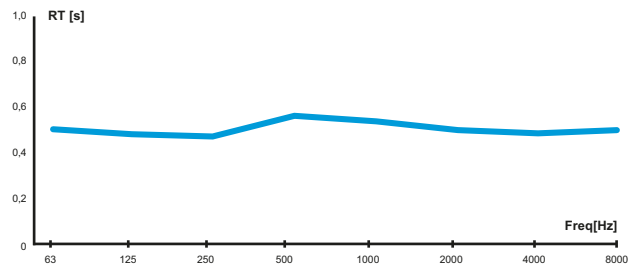
STANDARD MINERAL GRANULATED COLOURS



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ABSORPTION COEFFICIENT AND GRAPHIC

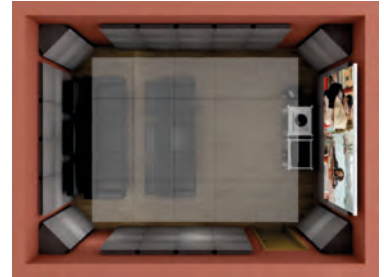


FREQUENCY	63 Hz	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz
αS	0.50	0.48	0.47	0.57	0.56	0.50	0.49	0.51

Sabine: 0.51 sec

KITBOX 02 QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
BXA060	Staidtreat®BXA	12	—	—	✓
BXW060	Staidtreat®BXW	12	—	—	✓
WBA060	Staidtreat®WBA	18	—	✓	—


Sabine: 0.27 sec


DESCRIPTION

The **JOCAVI® KIT BOX 03** has been created for rooms with an area between 20 and 30 square meters, so small or medium-sized rooms such as home-cinema rooms, home-studios and rehearsal rooms.

JOCAVI® KIT BOX 03 it is composed of STAITREAT® acoustic modules which consists of three different models with very different acoustic features though with the same appearance, namely: STAITREAT® BXA® as a Low-frequency absorbent tuned at 80Hz, the BXW® as a Low-frequency absorbent tuned at 160Hz and the WBA®, which is a broad band mid-high absorbent.

As a whole, these three different specificities provide an outstanding acoustic balance, thus the resulting aesthetic look is a light and very pleasant design.

The finishing plate is similar to the three options and conceals the remaining engineering portion of each model. This pressed mineral granulate plate also combines absorption with unidirectional micro-diffusion features.

This KIT of panels it is the most recommended pack of acoustic panels for those who want an authentic acoustic balance with a sober decoration.

WHERE TO APPLY :

Rooms with an area between: 20 and 30 square meters.

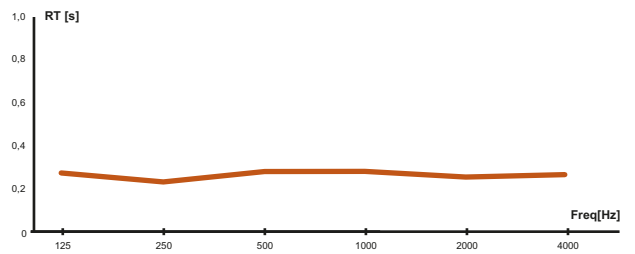
Rooms with volumes between: 58 and 90 cubic meters.

For use in small-sized home-theatre rooms, home-studios, Hi-fi rooms or instrument rooms.

FEATURES

- Values were obtained by simulation in specific JAS® software and later confirmed through acoustic analyses in the rooms.
- The simulated rooms were tested with all the materials and equipments shown in the images, and the mentioned **JOCAVI®KIT BOX 03** acoustic panels.
- Traditional construction room with dimensions: (L,W,H): **4.90m / 3.60m / 2.80m**.
Walls: masonry with painted fine stuff and a wooden door.
Ceiling: 12 mm - thick plaster.
Floor: natural floating parquet.

ABSORPTION COEFFICIENT AND GRAPHIC



FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz
αS	0.27	0.23	0.28	0.28	0.26	0.27

Sabine: 0.27 sec

KITBOX 03 QUANTITIES

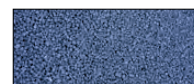
REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
BXA060	Staidtreat® BXA	12	—	—	✓
BXW060	Staidtreat® BXW	34	—	—	✓
WBA060	Staidtreat® WBA	37	—	✓	—

STANDARD MINERAL GRANULATED COLOURS


BLACK

MAROON

BROWN

RED

BLUE

GREY

IMPORTANT NOTICES

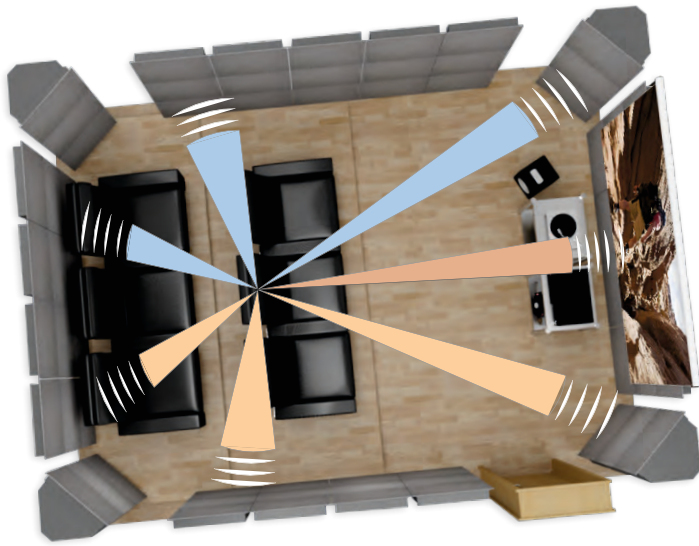
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JOCAVI® KITBOX ACTIVE

ACOUSTIC PANELS WITH SPEAKERS INSIDE

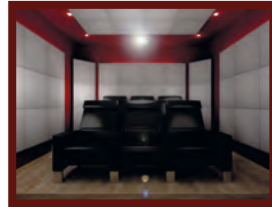
ROOMS FROM
20 TO 30 M²



STAITREAT BOX SYSTEM 03.A



Sabine: 0.27 sec



DESCRIPTION

The **STAITREAT® KITBOX 03.A** (Active Speakers System), is an innovative modular acoustic treatment method, which combines with high quality performance speakers. The speakers are placed inside the absorbent boxes of the WBA /BXA models. This set of acoustics and public address devices is designed to aesthetically conceal acoustic treatment with speakers providing a good sound intelligibility, besides making technology imperceptible to eyesight.

This system was essentially planned for 7.1 and 5.1 home-theatres surround systems, but it is also advisable for conference rooms, restaurants and bars, public spaces and for background music or speech purposes. It is composed by the two-way loudspeaker mounted inside the acoustic panel and by a self-amplified Subwoofer to be placed on the floor of the room. It has been created for small and mid-sized home-cinema rooms. It is a discrete system that combines acoustic treatment and the embedded speakers. The approach consists on adjusting the number of the modules to the room dimensions.

All packs are supplied with assembly instructions, as well the necessary mounting accessories to apply the acoustic modules.

Surround sound is the idea of engaging a listener in sound, just like a movie theater. Sound is half of the importance of the entertainment experience and the speaker placement is essential to experiencing the true impact of movies and music.

A 7.1 surround system has seven discrete audio channels, Left, Right, Center, Left Surround, Right Surround, Left and Right Back, and of course, the Subwoofer.

WHERE TO APPLY :

Rooms with an area between: 20 and 30 square meters.

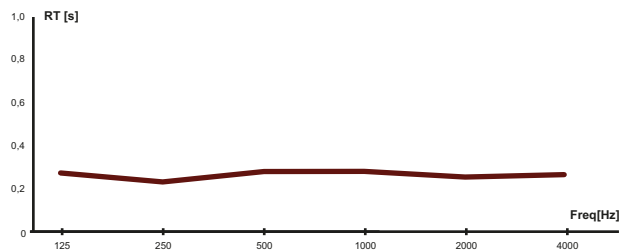
Rooms with volumes between: 58 and 90 cubic meters.

For use in small and medium-sized home-theatre rooms, home-studios, Hi-fi rooms or instrument rooms.

FEATURES

- Values were obtained by simulation in specific JAS® software and later confirmed through acoustic analyses in the rooms.
- The simulated rooms were tested with all the materials and equipments shown in the images, and the mentioned **JOCAVI® KITBOX 03.A** acoustic panels.
- Traditional construction room with dimensions: (L,W,H): 4.90m / 3.60m / 2.80m.
Walls: masonry with painted fine stuff and a wooden door.
Ceiling: 12 mm - thick plaster.
Floor: natural floating parquet.

ABSORPTION COEFFICIENT AND GRAPHIC



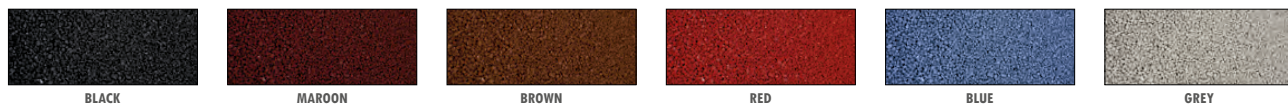
FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz
αS	0.27	0.23	0.28	0.28	0.26	0.27

Sabine: 0.27 sec

KITBOX 03.A QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
BXA060	Staidtreat®BXA	10	—	—	✓
BXW060	Staidtreat®BXW	34	—	—	✓
WBA060	Staidtreat®WBA	31	—	✓	—
BXA060A	Staidtreat®BXA Active	02	—	✓	—
WBA060A	Staidtreat®WBA Active	06	—	✓	—

STANDARD MINERAL GRANULATED COLOURS



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SOME WORLDWIDE WORKS



Rehearsal Rooms



Acoustic Shells



Pavilions



Recording Studios



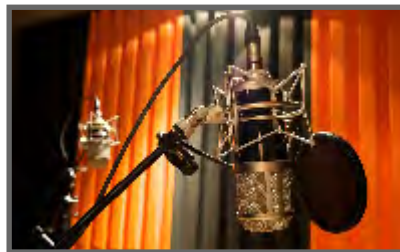
Concert Halls



Auditoriums



Night C lubs



Radio Stations



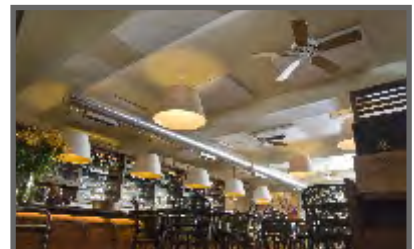
Health Clubs



Home Theatre / Cinema



Class Rooms



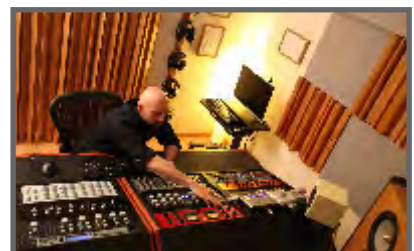
Restaurants



Anechoic Chambers



Food Courts



Mastering Studios



JOCA VI, Acoustic Panels, Ltd.
 Av. Pedro Álvares Cabral
 Centro Empresarial Sintra - Estoril V, Armazém B18
 2710 - 297 Sintra - Portugal

Phone +351 21 9 243097 - F ax +3 51 21 9 243098
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