

**JOCAVI** Acoustic panels  
www.jocavi.net

# STAITREAT KIT BOX

The Sobriety in Acoustics

HI-FI ROOMS  
HOME STUDIOS  
INSTRUMENTS ROOMS  
HOME THEATRES  
LISTENING ROOMS  
HOME CINEMAS





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 :**

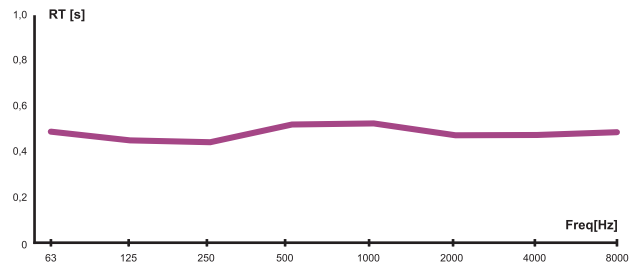
Rooms with an area between: 13 and 17 square meters.  
Rooms with volumes between: 35 and 45 cubic meters.

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**



**IMPORTANT NOTICES**

- JOCAVI® accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Colours may vary due to raw-material suppliers' changes and some differences may occur in tonal 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.

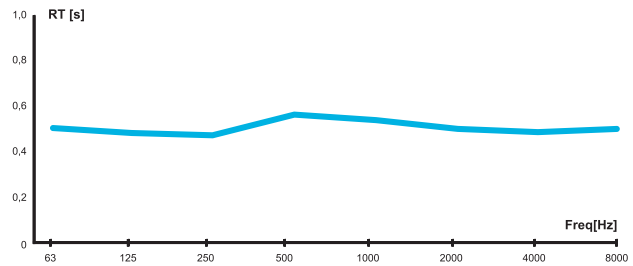
## STANDARD MINERAL GRANULATED COLOURS



## IMPORTANT NOTICES

- JOCAVI® accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Colours may vary due to raw-material suppliers' changes and some differences may occur in tonal 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.

## 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.

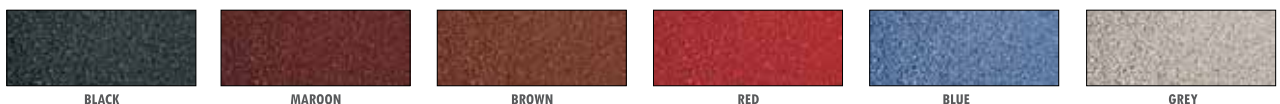
Rooms with volumes between: 58 and 90 cubic meters.

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.

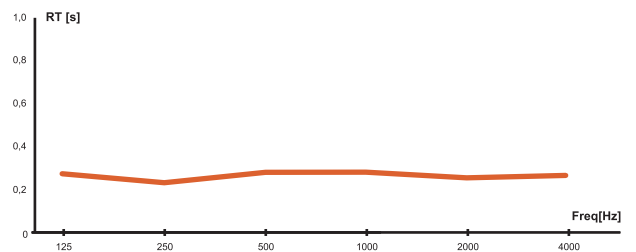
### STANDARD MINERAL GRANULATED COLOURS



### IMPORTANT NOTICES

- JOCAVI® accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Colours may vary due to raw-material suppliers' changes and some differences may occur in tonal 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.

### ABSORPTION COEFFICIENT AND GRAPHIC

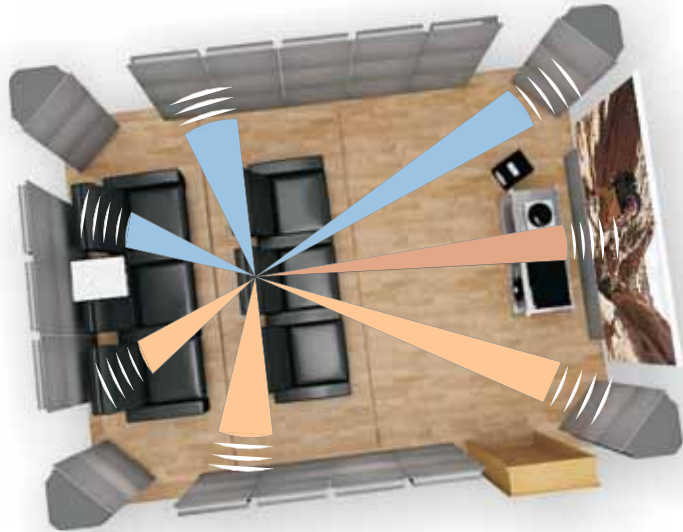


FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz
αS	0.27	0.23	0.28	0.28	0.26	0.27

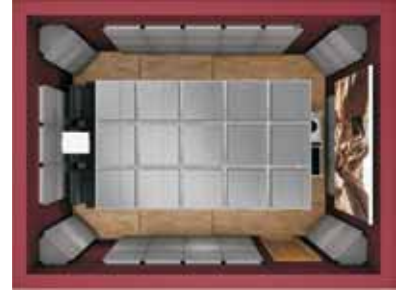
Sabine: 0.27 sec

### KITBOX 03 QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
BXA060	Staidreat®BXA	12	—	—	✓
BXW060	Staidreat®BXW	28	—	—	✓
WBA060	Staidreat®WBA	32	—	✓	—



## 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.

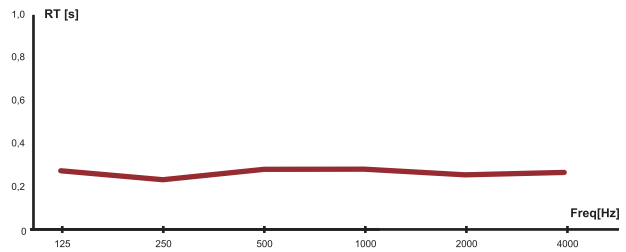
### STANDARD MINERAL GRANULATED COLOURS



### IMPORTANT NOTICES

- JOCAVI® accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Colours may vary due to raw-material suppliers' changes and some differences may occur in tonal 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.

### ABSORPTION COEFFICIENT AND GRAPHIC



Sabine: 0.27 sec

### KITBOX 03.A QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
BXA060	Staidtreat®BXA	10	—	—	✓
BXW060	Staidtreat®BXW	28	—	—	✓
WBA060	Staidtreat®WBA	26	—	✓	—
BXA060A	Staidtreat®BXA Active	02	—	✓	—
WBA060A	Staidtreat®WBA Active	06	—	✓	—

## STAIDTREAT® SYSTEM

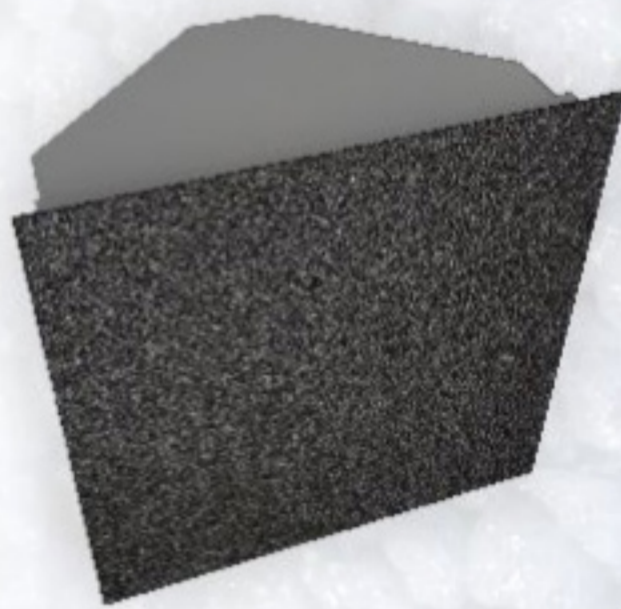
The STAIDTREAT® is an innovative modular system designed to aesthetically conceal the acoustic treatment in its room and make it imperceptible. The STAIDTREAT® consists of three different models with very different acoustic features, namely: STAIDTREAT® BXA, BXW and WBA.

The different specificities of each model provide as a whole an outstanding acoustic balance. Thus, the resulting aesthetic look is a light, sober and very pleasant design.

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

This range of panels is particularly meant for small and medium-sized rooms, ranging from studios to conference rooms and small auditoriums.

## STAIDTREAT® MODELS



**BXA®**

The STAIDTREAT®BXA is a low-frequency absorbent panel. It is tuned to 63 Hz and is meant to be placed in 90° corners. The principle used to develop the STAIDTREAT®BXA is exclusive to JOCAVI®. It combines an ABS box, which has two appropriately enhanced closed resonance chambers inside, with mass and density components. These components have been specifically developed for this model. Therefore, because of its careful development, this panel has become one of the best offers in the market for low-frequency absorbent materials.

In order to boost bass absorption, we recommend that this panel is used together with the STAIDTREAT®BXW, as the latter functions close to the harmonics of this model.

**Features:**

- Tuned to 63Hz.
- Average absorption: 0.86 [ $>50\text{Hz}$ ;  $<250\text{KHz}$ ].
- Made of recyclable materials.
- Plate of pressed mineral granulate.
- Fire-resistance: M1.
- Application on ceiling and wall corners
- Package: 2 units.
- Installation: accessories included.
- Available in 5 colours.



**BXW®**

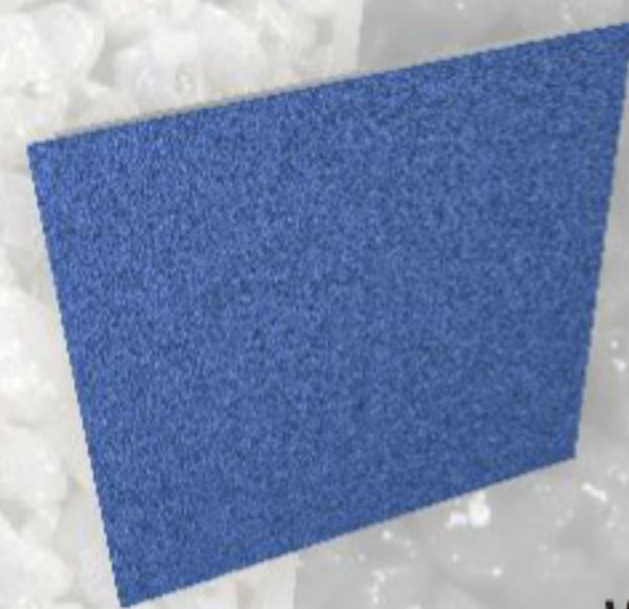
The STAIDTREAT®BXW is a low-frequency absorbent panel. It is tuned to 125 Hz and is meant to be placed on walls or normal or T-type ceilings. It works when tuned to 125 Hz, in the first harmonic of the STAIDTREAT®BXA, thus exponentially boosting the absorption of basses when both panels are used together.

This tuned panel uses an open resonance chamber, which is combined with a membrane that was developed and calibrated to enhance its performance.

The visible outer plate is made of a porous and permeable mineral granulate which is highly absorbent in the medium and high frequencies, thus further widening the absorption range of this panel.

**Features:**

- Tuned to 125Hz.
- Average absorption: 0.83 [ $>50\text{Hz}$ ;  $<250\text{KHz}$ ].
- Made of recyclable materials.
- Plate of pressed mineral granulate.
- Fire-resistance: M1.
- Application on ceilings and walls.
- Package: 4 units.
- Installation: accessories included.
- Available in 5 colours.



**WBA®**

The STAIDTREAT®WBA is a medium-frequency absorbent panel which is meant to be placed on walls or normal or T-type ceilings.

This absorbent panel has been developed by combining an adequately shaped high-density polyurethane foam box with a filling composed of a material that was exclusively manufactured for this panel in order to increase its sound absorption coefficient.

The outer finishing plate is made of a porous and permeable pressed mineral granulate, which is highly absorbent in the medium and high frequencies, thus making this panel very balanced as regards absorption/frequency.

**Features:**

- NRC : 0.66.
- Made of recycled materials.
- Plate of pressed granulated minerals.
- Fire-resistance: M1.
- Walls and T-ceilings ready applications.
- Package: 4 units.
- Installation: accessories included.
- Available in 5 colours.

**THE SAME FINISHINGS, DIFFERENT ACOUSTIC PERFORMANCES**

## JOCAVI®

Portuguese company specialised in developing and manufacturing acoustic treatment panels for the professional audio industry.

We always look for originality, technological innovation, durability, cost and promptness to present our products. We have therefore generated a vast organisational wealth because we share Quality with those who are quality-oriented.

The use of acoustic products in working environments, by taking into account the needs and the modern corporate images, is our passion.

JOCAVI® has a varied and thorough offer of high quality products available, which enable a wide range of applications.

Our range of products offers the designer a large variety of solutions. Several types of absorption and diffusion panels deliver an excellent performance in the diverse areas of application.

**MANUFACTURER**



JOCAVI®, Acoustic Panels, Lda.  
Centro Empresarial Lusoworld, Ed.22  
Linhó - 2710-335 Sintra - Portugal  
Phone: +351 21 9243097 - Fax: +351 219243098  
www.jocavi.net - info@jocavi.net

**OFFICIAL DISTRIBUTOR**