

ATP[®] Packs

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 Packs which correspond to different room sizes in a do-it-yourself scheme.

The Packs are easy to assemble and include all the necessary glues, 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, low-cost solutions coupled with a rather refined aesthetic effect, with the visual display of all the acoustic products.



ATP[®] PACK 01

ROOMS FROM
9 TO 13 M²

01



EXCELLENCE

Sabine: 0.52 sec



STANDARD

Sabine: 0.52 sec

DESCRIPTION

According to the audio and home cinema fans designation, home cinema and studios is a system designed to be assembled in the average rooms of anyone's house. Usually, these rooms have neither the correct dimensional proportions nor the ideal acoustic conditioning materials for a good audition.

This assembling example, the **ATP[®] PACK 01** acoustic panel set, has been designed for rooms measuring between 9 and 13 square metres. It optimises the placement of the acoustic treatment components, the listener and the electro acoustic equipment, while minimising the SBIR and the modal emphasis to produce the best frequency response in the room.

To simplify the room design, JOCAVI[®] developed the **ATP[®] PACK 01** for small home cinema and music rooms with the aim to obtain an authentic acoustic framing, by correcting and arranging the sound perceptibility in your room. You can choose from the two **ATP[®] PACK 01** available solutions: **STANDARD** or **EXCELLENCE**, depending on your needs and aesthetic taste.

In a practical way, **ATP[®] PACKS** are designed for small-sized rooms. The acoustic elements remain exposed. They are easily assembled and all accessories needed are included.

Give your ears an opportunity to see how the performance of your sound system improves.

WHERE TO APPLY :

Rooms with an area between: 9 and 13 square meters.

Rooms with volumes between: 22 and 35 cubic meters.

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

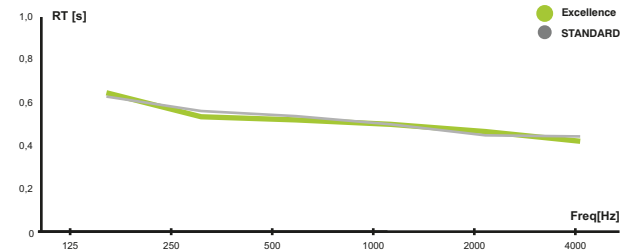
FEATURES

- Values were obtained by simulation in specific JAS[®] software and later confirmed through acoustic analyses in the rooms.
- The simulated and tested rooms are totally empty, and only the referred **ATP[®] PACK 01** acoustic panels are applied.
- Traditional construction room with dimensions: (L,W,H): 3.47m / 2.85m / 2.50m.
Walls: masonry with painted fine stucco and a wooden door.
Ceiling: 12 mm - thick plaster.
Floor: natural floating parquet.

STANDARD EPS RAL COLOURS



ABSORPTION COEFFICIENT AND GRAPHIC



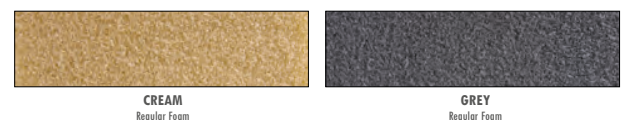
FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	RT60
● Excellence	0.62	0.56	0.53	0.50	0.46	0.45	0.52
● STANDARD	0.64	0.53	0.52	0.50	0.47	0.43	0.52

PACK QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● WAV060 / WAI060	WAVYFUSER/INV	8	✓	—	—
● FSO060 / FSI060	FOAMSORB/INV	8	—	✓	—
● T3S120	TRAP 30S	8	—	✓	—

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● STS120	STRIPESORB	8	—	✓	—
● T3S120	TRAP 30S	8	—	✓	—

REGULAR FOAM COLOURS



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.
- Despite all the standard sizes of all products, this model can be customised upon previous consultation. Sizes may vary slightly due to their production method and some inherent raw-materials characteristics.



ATP[®] PACK 02

ROOMS FROM
13 TO 17 M²

02



EXCELLENCE
Sabine: 0.53 sec



STANDARD
Sabine: 0.53 sec

DESCRIPTION

While some customers favour the **ATP[®] PACK 01** acoustic panel set, others certainly need an answer for their larger-sized rooms. The **ATP[®] PACK 02** acoustic panel set has been designed for rooms measuring between 13 and 17 square metres. The approach consists in adjusting the room dimensions to sizes which are slightly bigger than the size of the **ATP[®] PACK 01**.

The acoustic treatment modules must also be placed in relation to the listener and the speakers, while minimising the SBIR and the modal emphasis to produce a frequency response as flat as possible in the room.

Given the elegant look of these Acoustic Elements, most of our customers prefer to leave them in sight as if they were acoustic sculptures.

In a practical way, **ATP[®] PACKS** have been designed for small-sized rooms. They are easily assembled and all accessories needed are included. You can choose from the two **ATP[®] PACK 02** available solutions: **STANDARD** or **EXCELLENCE**, depending on your needs and aesthetic taste.

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.

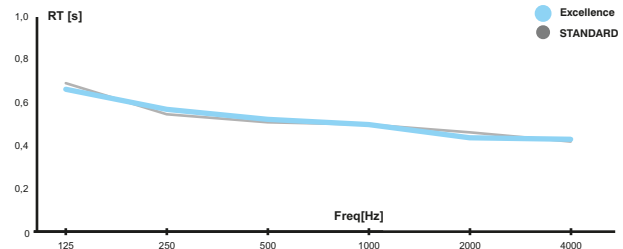
FEATURES

- Values were obtained by simulation in specific JAS® software and later confirmed through acoustic analyses in the rooms.
- The simulated and tested rooms are totally empty, and only the referred **ATP[®] PACK 02** acoustic panels are applied.
- 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.

STANDARD EPS RAL COLOURS



ABSORPTION COEFFICIENT AND GRAPHIC



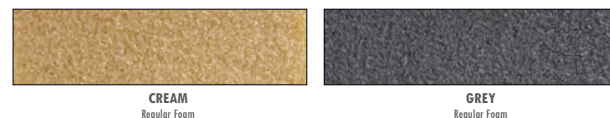
FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	RT60
● Excellence	αS 0.66	0.58	0.54	0.50	0.46	0.45	0.53
● STANDARD	αS 0.69	0.55	0.52	0.50	0.48	0.43	0.53

PACK QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● WAV060 / WA1060	WAVYFUSER/INV	12	✓	—	—
FSO060 / FS1060	FOAMSORB/INV	12	—	✓	—
T3S120	TRAP 30S	8	—	✓	—

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● STS120	STRIPESORB	12	—	✓	—
T3S120	TRAP 30S	8	—	✓	—

REGULAR FOAM COLOURS



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ATP® PACK 03

ROOMS FROM
17 TO 24 M²

03



EXCELLENCE

Sabine: 0.47 sec



STANDARD

Sabine: 0.53 sec

DESCRIPTION

The ATP® PACK 03 is an acoustic panel set designed for rooms measuring between 17 and 24 square metres. This set of panels has been therefore prepared for medium-sized rooms, which are probably the most usual ones.

The presence of acoustic panels in a room helps to enhance, in the most real way, the sound produced by its system, thus improving the soundstage and the channel separation.

The next step is to optimise the acoustic coupling between the listener and the speakers, while minimising the SBIR and the modal emphasis to produce a frequency response as flat as possible in the room.

It uses low-frequency tuned modules, **BKA120** and **BKW120**, which are duly balanced with the absorbers and diffusers **FSO060** and **WAV060**, as pictures show.

It is imperative to use these modules in this type of rooms in order to hold the energy at low frequencies. You can choose from the two ATP® PACK 03 available solutions: **STANDARD** or **EXCELLENCE**, depending on your needs and aesthetic taste.

It is a very practical assembly kit and is provided 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.

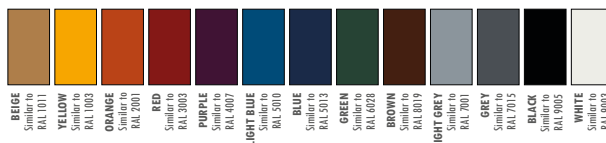
Rooms with volumes between: 45 and 58 cubic meters.

For use in 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 and tested rooms are totally empty, and only the referred ATP® PACK 03 acoustic panels are applied.
- Traditional construction room with dimensions: (L,W,H): 5.82m/ 4.00m/ 2.50m.
Walls: masonry with painted fine stucco and a wooden door.
Ceiling: 12 mm - thick plaster.
Floor: natural floating parquet.

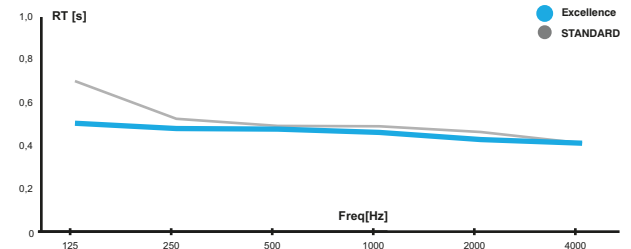
STANDARD EPS RAL COLOURS



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ABSORPTION COEFFICIENT AND GRAPHIC

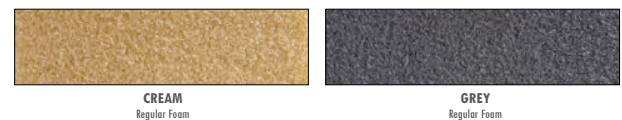


FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	RT60
● Excellence	0.52	0.49	0.49	0.48	0.44	0.42	0.47
● STANDARD	0.71	0.55	0.52	0.50	0.47	0.42	0.53

PACK QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● WAV060 / WAI060	WAVYFUSER/INV	18	✓	-	-
● FSO060 / FSI060	FOAMSORB/INV	18	-	✓	-
● BKA120	BASSKEEPER ANGLE	8	-	-	✓
● BKW120	BASSKEEPER WALL	4	-	-	✓
REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● STS120	STRIPESORB	18	-	✓	-
● T3S120	TRAP 30S	8	-	✓	-

REGULAR FOAM COLOURS





ATP[®] PACK 04

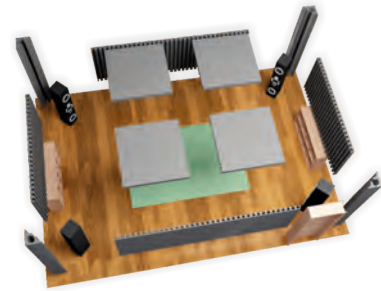
ROOMS FROM
24 TO 30 M²

04



EXCELLENCE

Sabine: 0.50 sec



STANDARD

Sabine: 0.54 sec

DESCRIPTION

The **ATP[®] PACK 04** is specific for large-sized music rooms, as it was designed for rooms measuring between 24 and 30 square metres.

You can choose from the two **ATP[®] PACK 04** available solutions: **STANDARD** or **EXCELLENCE**, depending on your needs and aesthetic taste.

It provides acoustic comfort in control room studios, recording rooms, hi-fi or home-cinema rooms, rehearsal rooms, etc. It uses low-frequency tuned modules, **BKA120** and **BKW120**, which are duly balanced with the absorbers and diffusers **FSO060** and **WAV060**, as pictures show.

The application of the low-frequency tuned absorbers in the corners of the room and on the walls is mandatory, in this case, to hold the energy at low frequencies.

The integration of the acoustic modules, sound system and listener is decisive for a good audition, therefore minimising the differences in the distribution of the acoustic pressure and minimising the modal emphasis and SBIR (speaker-boundary interference response). Give your ears an opportunity and see how the performance of your sound system improves.

WHERE TO APPLY :

Rooms with an area between: 24 and 30 square meters.

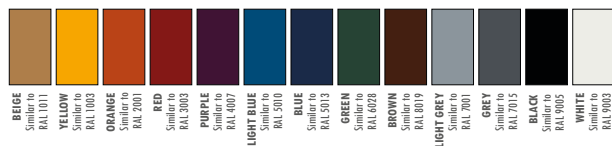
Rooms with volumes between: 58 and 90 cubic meters.

For use in control room studios, tracking rooms, hi-fi or home-cinema rooms, rehearsal rooms, etc.

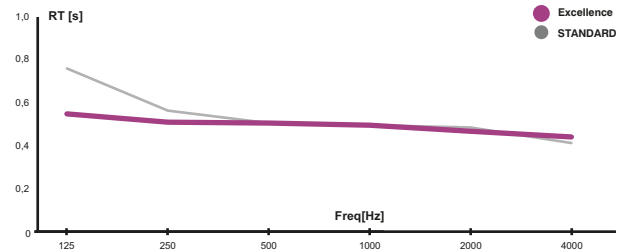
FEATURES

- Values were obtained by simulation in specific JAS® software and later confirmed through acoustic analyses in the rooms.
- The simulated and tested rooms are totally empty, and only the referred **ATP[®] PACK 04** acoustic panels are applied.
- Traditional construction room with dimensions: (L,W,H): 6.52m / 4.48m / 2.80m.
Walls: masonry with painted fine stuff and a wooden door.
Ceiling: 12 mm - thick plaster.
Floor: natural floating parquet.

STANDARD EPS RAL COLOURS



ABSORPTION COEFFICIENT AND GRAPHIC



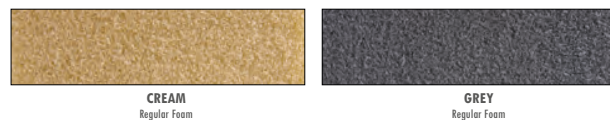
FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	RT60
● Excellence	0.55	0.52	0.52	0.50	0.47	0.45	0.50
● STANDARD	0.77	0.57	0.52	0.50	0.48	0.42	0.54

PACK QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● WAV060 / WA1060	WAVFUSER/INV	24	✓	—	—
● FSO060 / FSI060	FOAMSORB/INV	24	—	✓	—
● BKA120	BASSKEEPER ANGLE	8	—	—	✓
● BKW120	BASSKEEPER WALL	8	—	—	✓

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● STS120	STRIPESORB	28	—	✓	—
● T3S120	TRAP 30S	8	—	✓	—

REGULAR FOAM COLOURS



IMPORTANT NOTICES

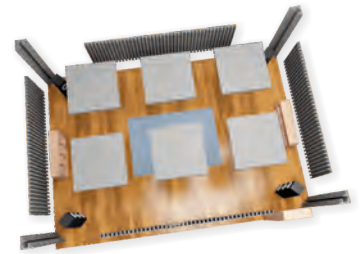
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ATP® PACK 05

ROOMS FROM
30 TO 40 M²

05



EXCELLENCE
Sabine: 0.63 sec

STANDARD
Sabine: 0.64 sec

DESCRIPTION

The ATP® PACK 05 is specific for large-sized music rooms, as it was designed for rooms measuring between 30 and 40 square metres.

You can choose from the two ATP® PACK 05 available solutions: **STANDARD** or **EXCELLENCE**, depending on your needs and aesthetic taste.

It provides acoustic comfort in control room studios, recording rooms, hi-fi or home-cinema rooms, rehearsal rooms, etc. It uses low-frequency tuned modules, **BKA120** and **BKW120**, which are duly balanced with the absorbers and diffusers **FSO060** and **WAV060**, as pictures show.

The application of the low-frequency tuned absorbers in the corners of the room and on the walls is mandatory, in this case, to hold the energy at low frequencies.

The integration of the acoustic modules, sound system and listener is decisive for a good audition, therefore minimising the differences in the distribution of the acoustic pressure and minimising the modal emphasis and SBIR (speaker-boundary interference response). Give your ears an opportunity and see how the performance of your sound system improves.

WHERE TO APPLY :

Rooms with an area between: 30 and 40 square meters.

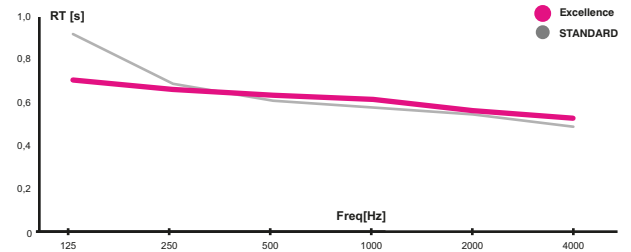
Rooms with volumes between: 90 and 130 cubic meters.

For use in: control room studios, tracking rooms, hi-fi or home-cinema rooms, rehearsal rooms, etc.

FEATURES

- Values were obtained by simulation in specific JAS® software and later confirmed through acoustic analyses in the rooms.
- The simulated and tested rooms are totally empty, and only the referred ATP® PACK 05 acoustic panels are applied.
- Traditional construction room with dimensions: (L,W,H): 7.45m / 5.20m / 3.20m.
Walls: masonry with painted fine stuff and a wooden door.
Ceiling: 12 mm - thick plaster.
Floor: natural floating parquet.

ABSORPTION COEFFICIENT AND GRAPHIC



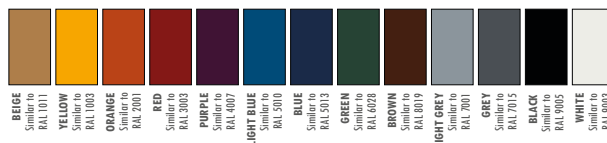
FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	RT60
● Excellence	0.71	0.67	0.64	0.62	0.58	0.55	0.63
● STANDARD	0.92	0.68	0.61	0.59	0.56	0.49	0.64

PACK QUANTITIES

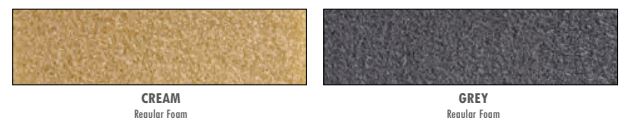
REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● WAV060 / WAI060	WAVYFUSER/INV	32	✓	—	—
● FSO060 / FSI060	FOAMSORB/INV	32	—	✓	—
● BKA120	BASSKEEPER ANGLE	8	—	—	✓
● BKW120	BASSKEEPER WALL	10	—	—	✓

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● STS120	STRIPESORB	38	—	✓	—
● T3S120	TRAP 30S	8	—	✓	—

STANDARD EPS RAL COLOURS



REGULAR FOAM COLOURS



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ATP[®] PACK 06

ROOMS FROM
17 TO 30 M²

06

VELVETY FINISHING



EXCELLENCE
Sabine: 0.25 sec



STANDARD
Sabine: 0.25 sec

DESCRIPTION

ATP[®] PACK 06 was developed by JOCAVI[®] to fulfil and achieve a compromise between aesthetics and acoustics in Home Cinemas and private Home Theatres applications.

ATP[®] PACK 06 is a new set of acoustic panels prepared for mid-size rooms and based on the room dimensions of previous ATP[®] PACK 03.

Despite the intentional non-inclusion of low frequency absorbent panels in this pack, the presence of this set of panels, helps to enhance, in the most real way, the sound produced by its system and to optimise the acoustic coupling between the listener and the speakers, while minimising the SBIR and the modal emphasis to produce a frequency response as flat as possible in the room.

As the others ATP[®] PACKS, ATP[®] PACK 06 is available in two options: **Standard** and **Excellence**. The **Standard** is composed only by standard acoustic foam panels while the **Excellence** version is available with the same acoustic models but with our new finishing: velvety.

It is a very practical assembly kit and is provided 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 30 square meters.

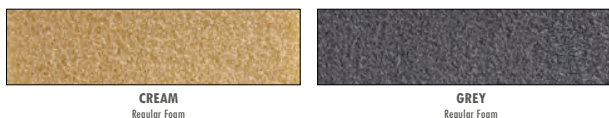
Rooms with volumes between: 45 and 58 cubic meters.

For use in medium-size home-theatre rooms, home-studios, Hi-Fi rooms, listening rooms, etc.

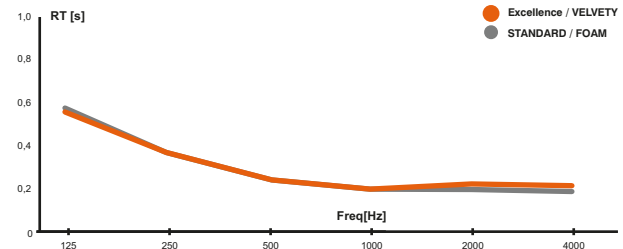
FEATURES

- Values were obtained by simulation in specific JAS[®] software and later confirmed through acoustic analyses in the rooms.
- The simulated and tested rooms are totally empty, and only the referred ATP[®] PACK 06 acoustic panels are applied.
- 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.

REGULAR FOAM COLOURS



ABSORPTION COEFFICIENT AND GRAPHIC



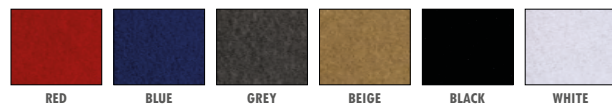
FREQUENCY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	RT60
● Excellence / VELVETY	0.58	0.36	0.24	0.21	0.23	0.22	0.25
● STANDARD / FOAM	0.60	0.38	0.25	0.21	0.22	0.21	0.25

PACK QUANTITIES

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● SF2060	SEAFOAM SF2	60	—	✓	—
● T4S060	TRAP 40 S	16	—	✓	—

REFERENCE	PANELS	UNITS	DIFFUSOR	ABSORBENT	TUNED
● SF2060	SEAFOAM SF2	60	—	✓	—
● T4S120	TRAP 40 S	8	—	✓	—

VELVETY COLOURS



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- 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.
- Despite all the standard sizes of all products, this model can be customised upon previous consultation. Sizes may vary slightly due to their production method and some inherent raw-materials characteristics.

SOME WORLDWIDE WORKS



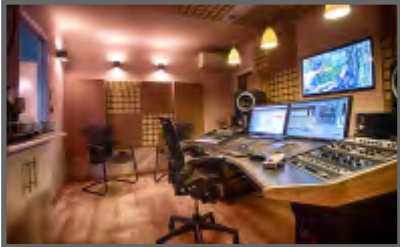
Rehearsal Rooms



Acoustic Shells



Pavilions



Recording Studios



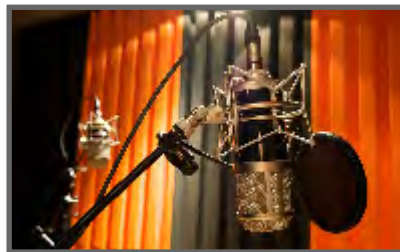
Concert Halls



Auditoriums



Night C lubs



Radio Stations



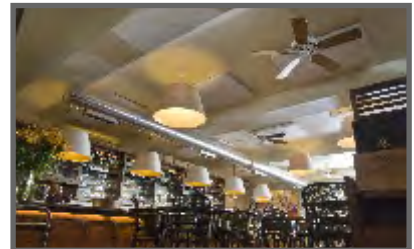
Health Clubs



Home Theatre / Cinema



Class Rooms



Restaurants



Anechoic Chambers



Food Courts



Mastering Studios



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