



# COMPACTFUSER®

DIFFUSION PANEL

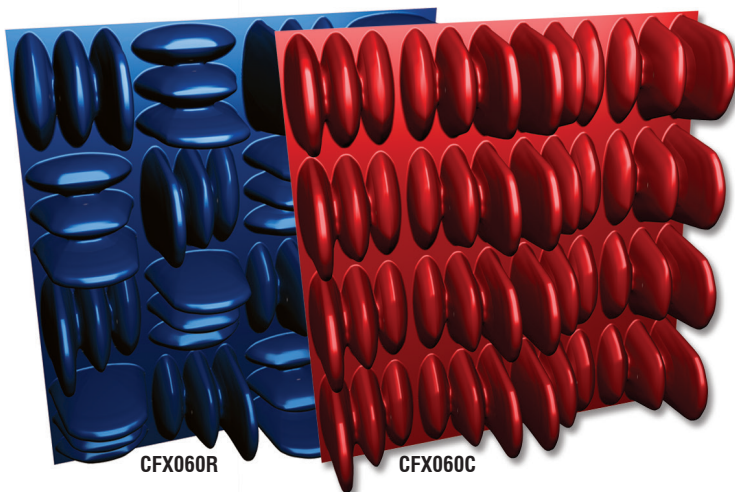


Image of 60x60x15cm models Ref.:CFX060R &Ret.:CFX060C, (on the top right, EFX180c ambient image).

## DESCRIPTION

Diffusion acoustic treatment elements are of imperative use in professional audio rooms, namely in control rooms, where the sound has to be perfect across the entire range of the music spectrum. The installation of these acoustic diffusion components aims to project the instruments' natural sound and maintain some liveliness in the room's acoustics. JOCAVI's COMPACTFUSER has been designed at a small scale of the EFFECTFUSER to be used in medium and small rooms dimensions. Its size provides a very homogeneous diffusion pattern in a large band of the sound spectrum, granting an equalized diffusion coefficient on medium/low frequencies, thus making it more balanced when compared with other diffusion shapes and materials. This piece can be coupled and multiplied in order to suit each room's project. Regarding its scattering properties, docking the modules in vertical or horizontal positions, this model allows two options with two different types of diffusion effects; diffusion by scattering in a wide radius or diffusion by compression in a narrower radius. COMPACTFUSER may also be used, like any other JOCAVI® diffusion model, in combination with other models of absorption panels, once correctly properly positioned, giving the room the necessary acoustic conditioning.

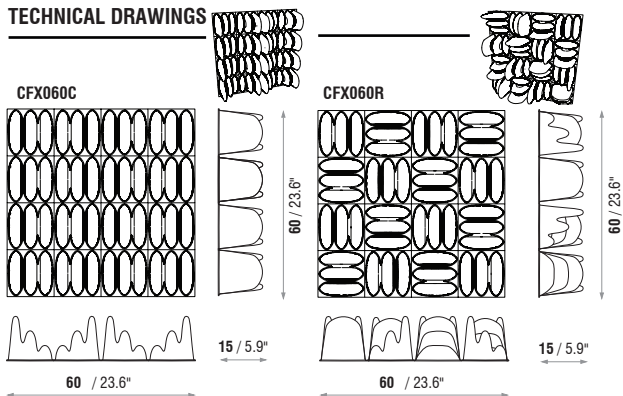
## FEATURES

- Two diffusion effects; by scattering in a wide radius or by compression in a narrower radius.
- Manufactured with recycled HIPS.
- Average diffusion:  $0.61/m^2$  [ $>500Hz$ ;  $<5KHz$ ].
- Fire-resistance: VO - UL94 standards (similar to M2).
- 100% recyclable.
- Installation: accessories included.

## SCATTERING FEATURES

To adjust the diffusing properties of these models to the room where this product is applied, the placement of the pieces must be taken into account in order to obtain its best performance, bearing in mind these two types of diffusion:

## TECHNICAL DRAWINGS

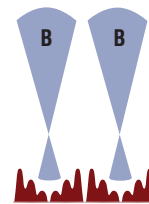


### (A) DIFFUSION SCATTERING EFFECT

It emphasizes sound diffusion at wider covering angle, effective at shorter incidence distance, scattering less sound level at a wider incidence angle.

(single unit - example for the CFX060C model)

SIDE VIEW

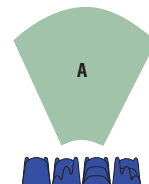


### (B) DIFFUSION COMPRESSION EFFECT

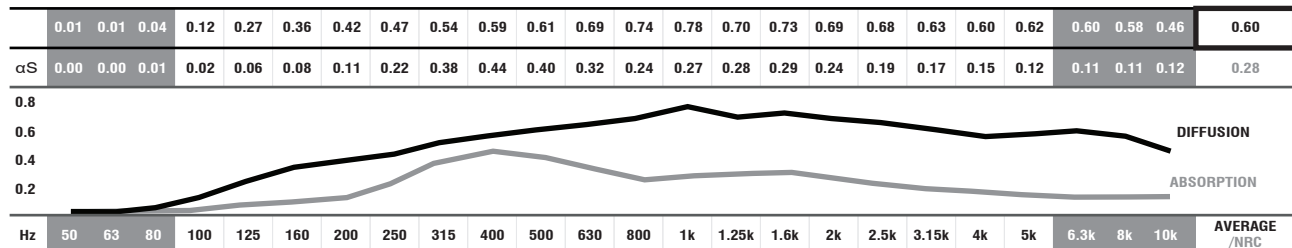
It emphasizes sound diffusion with a narrower covering angle, efficient at longer distances; scattering higher sound level at smaller incidence angle.

(single unit - example for the CFX060R model)

SIDE VIEW



## DIFFUSION - ABSORPTION COEFFICIENT



■ ABSORPTION COEFFICIENT: Values in accordance with the standards: EN 20654, ASTM C423 and EN 11654.

■ Values [ $<100Hz$  and  $>5K$ ] are Non Standard Values.

■ DIFFUSION COEFFICIENT: These values were obtained by mathematical calculations and tests carried out in our laboratory.

## STANDARD HIPS 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.
- RAL® is an international independent colour standard system partner for industry, trade, architecture and design. Should be consulted before placing any order.
- 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.

## MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
CFX060C	60 cm (23.6 in)	60 cm (23.6 in)	15 cm (11.8 in)	5.4 Kg (11.90 lbs)
CFX060R	60 cm (23.6 in)	60 cm (23.6 in)	15 cm (11.8 in)	5.4 Kg (11.90 lbs)

