COMPACTFUSER®

DIFFUSION PANEL

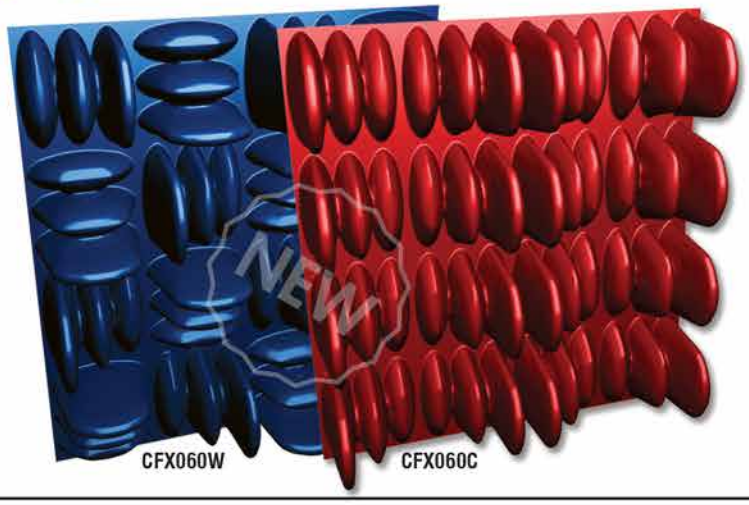


Image of 60x60x15cm models **Ref:CFX060W** & **Ref:CFX060C**, (on the top right, EFX180c ambient image).

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.

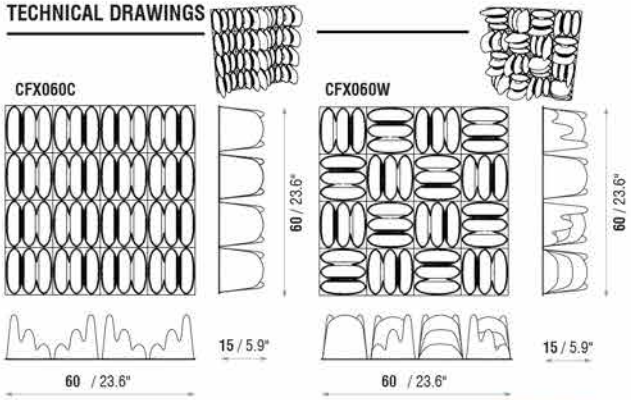
FEATURES

- Two diffusion effects; by scattering in a wide radius or by compression in a narrower radius.
- Manufactured with recycled HIPS.
- Average diffusion: **0.61/m²** [>500Hz;<5KHz].
- Fire-resistance: V0 - 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 by scattering in a wider radius and at a shorter distance.

(single unit - example for the **CFX060W model**) SIDE VIEW

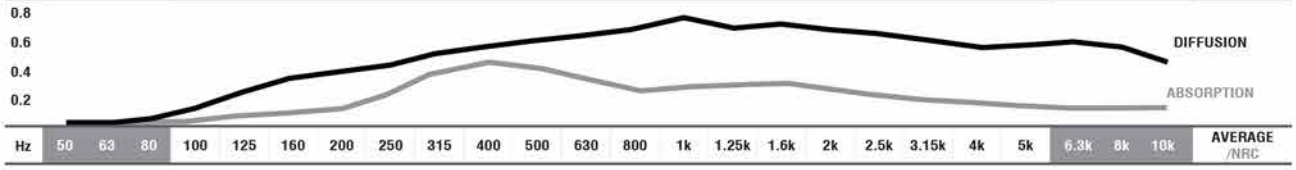
B) DIFFUSION COMPRESSION EFFECT

It emphasizes sound diffusion by compression in a narrower radius but at a longer distance.

(single unit - example for the **CFX060C model**) SIDE VIEW

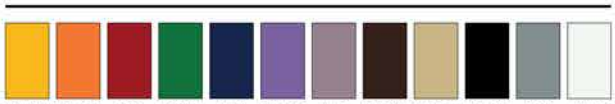
DIFFUSION - ABSORPTION COEFFICIENT

	0.01	0.01	0.04	0.12	0.27	0.36	0.42	0.47	0.54	0.59	0.61	0.69	0.74	0.78	0.70	0.73	0.69	0.68	0.63	0.60	0.62	0.60	0.58	0.46	0.60
αS	0.00	0.00	0.01	0.02	0.06	0.08	0.11	0.22	0.38	0.44	0.40	0.32	0.24	0.27	0.28	0.29	0.24	0.19	0.17	0.15	0.12	0.11	0.11	0.12	0.28
Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	AVERAGE /NRC



■ ABSORPTION COEFFICIENT: Values in accordance with the standards: EN 20654, ASTM C423 and EN 11654.
■ DIFFUSION COEFFICIENT: These values were obtained by mathematical calculations and tests carried out in our laboratory.
■ Values [<100Hz and > 5K] are Non Standard Values.

STANDARD HIPS COLOURS



YELLOW	ORANGE	RED	GREEN	BLUE	PURPLE	LILAC	BROWN	CREAM	BLACK	GREY	WHITE
Similar to RAL 1003	Similar to RAL 2008	Similar to RAL 3001	Similar to RAL 6001	Similar to RAL 5013	Similar to RAL 4005	Similar to RAL 4009	Similar to RAL 8017	Similar to RAL 1001	Similar to RAL 9005	Similar to RAL 7042	Similar to RAL 9003

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)

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 20ºC - 27ºC (68ºF - 81ºF), 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.

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