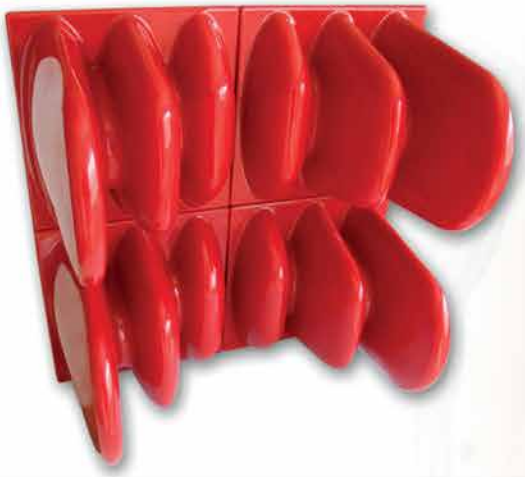
EFFECTFUSER®

DIFFUSION PANEL



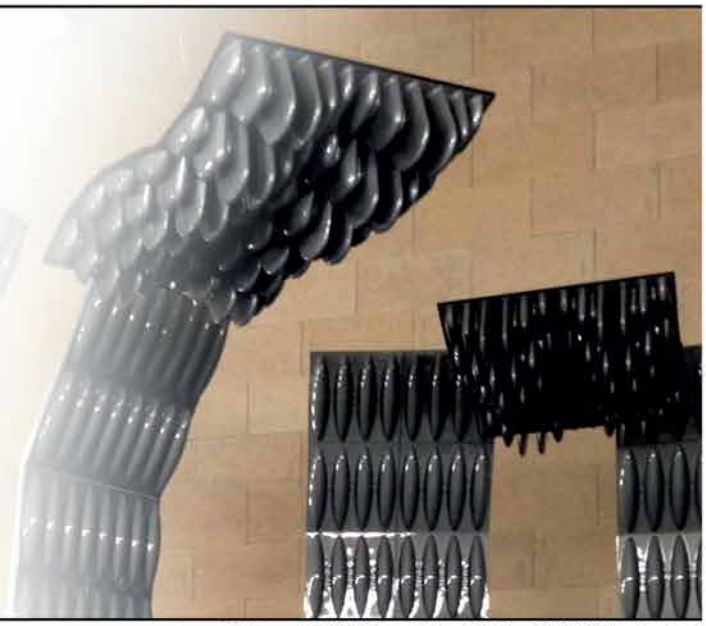


Image of 60x60cm model **Ref.:EFX060** (on the left) and 180x120cm **Ref.:EFXCOMBI** (ambient image).

DESCRIPTION

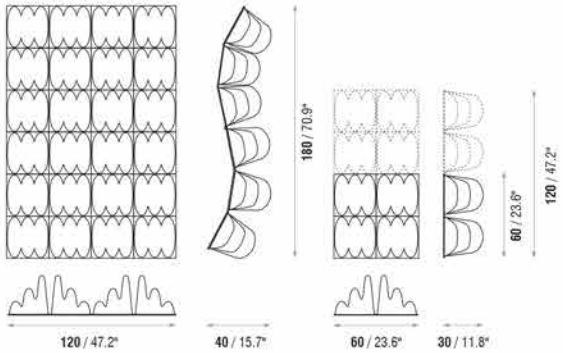
Diffusion shells are acoustic treatment elements used in large volume rooms, such as theatres and auditoriums, where orchestral concerts or mere recitals take place.

The installation of these acoustic diffusion components aims to project the natural sound from the instruments and maintain some liveliness in the room's acoustics. JOCAVI®'s EFFECTFUSER® has been designed at the scale of these needs. It is a large-sized diffuser that provides a very homogeneous diffusion within the diffuse sound spectrum. Due to its shape and depth, the EFFECTFUSER® has a high diffusion coefficient on medium/low frequencies, thus making it more balanced when compared with other diffusers. This piece can be coupled and multiplied in order to suit each room's project.

When mounted, several modules must be grouped in order to obtain a diffusion area that is proportional to each space. They are properly positioned on ceilings or walls in order to obtain sound diffusion at the intended angles.

EFFECTFUSER® may also be used, like any other JOCAVI® diffusion model, in combination with other models of absorption panels.

TECHNICAL DRAWINGS



FEATURES

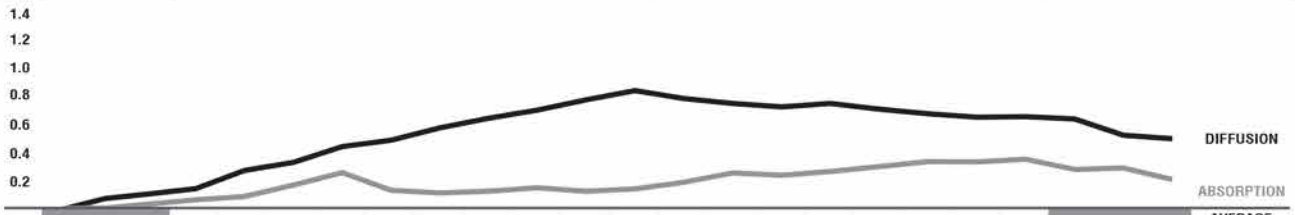
- Manufactured with recycled HIPS.
- Average diffusion: **0.61/m²** [>100Hz;<5KHz].
- NRC: **0.20/m²** [>250Hz;<10KHz].
- Fire-resistance: V0 - UL94 standards (similar to M2).
- 100% recyclable.
- Installation: accessories included.

MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
EFXcombi	**180 cm** (70.9 in)	**120 cm** (47.2 in)	**40 cm** (15.7 in)	**55.5 Kg**(122.36 lbs)
EFX120	**120 cm** (47.2 in)	**60 cm** (23.6 in)	**30 cm** (11.8 in)	**10.8 Kg** (23.81 lbs)
EFX060	**60 cm** (23.6 in)	**60 cm** (23.6 in)	**30 cm** (11.8 in)	**5.4 Kg** (11.90 lbs)

DIFFUSION - ABSORPTION COEFFICIENT

	0.00	0.05	0.11	0.17	0.28	0.36	0.43	0.49	0.58	0.63	0.69	0.76	0.82	0.79	0.74	0.72	0.75	0.71	0.68	0.64	0.65	0.62	0.53	0.50	0.61
αS	0.00	0.01	0.02	0.08	0.10	0.18	0.26	0.15	0.12	0.13	0.16	0.14	0.16	0.20	0.26	0.24	0.27	0.31	0.35	0.35	0.37	0.30	0.31	0.21	0.20



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	LIGHT 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

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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