PLURA®

DIFFUSION PANEL

Image of 60x60cm model **Ref.:PLR060**.

DESCRIPTION

Plura® is an acoustic diffusion panel, manufactured in HIPS on an absorbent filling box.

His design has a geometry that reproduces symmetry at a 180 rotation. It consists of a combination of two ellipses in one bent hollow, thus giving it a predominantly round shape with tenuous angles, which is good for diffusion.

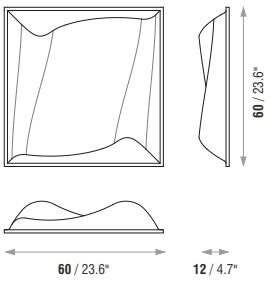
Plura® is meant to diffuse mid and mid-high frequencies. When using multiple pieces jointly on a continuous area, it improves its sound diffusion efficiency. Amazing diffusion effect can be obtained when used in large rooms. We can make several different aesthetic combination effects by rotating the panels 90º or 180º and positioning them according to one's taste and to the room's requirements.

The inner part of this model is made on a composite substance of impregnated mineral fibers and textiles, which gives this product a specific mass and also contributes to its consistence.

The external raw material of this panel was selected out of some materials that have the fastest and most specific properties required for a diffuser with these characteristics, however the HIPS still has some advantages, namely UV protection, impact resistance and fire resistance similar to old M2.

The back part consists of a flat surface, which includes the mounting accessories.

TECHNICAL DRAWINGS



FEATURES

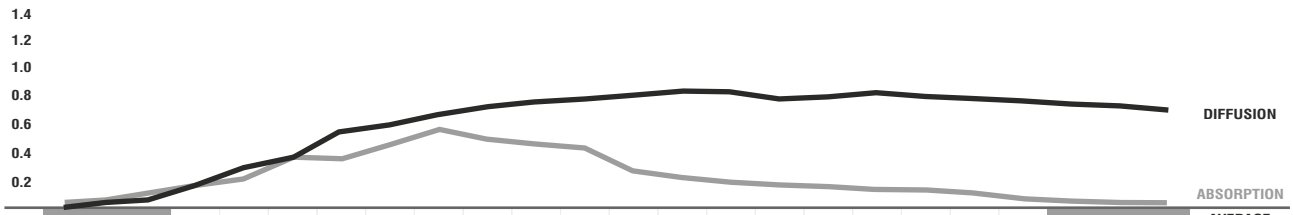
- Manufactured with HIPS.
- Average diffusion: **0.67/m²** [>100Hz;<5KHz].
- NRC: **0.33/m²** [>250Hz;<10KHz].
- Fire-resistance: V0 - UL94 standards (similar to M2).
- 100% recyclable.
- Installation: accessories included.
- T-Ceiling application.

MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
PLR060	**60 cm** (23.6 in)	**60 cm** (23.6 in)	**12 cm** (4.7 in)	**4.3 Kg** (9.48 lbs)

DIFFUSION - ABSORPTION COEFFICIENT

	0.01	0.03	0.07	0.19	0.30	0.38	0.55	0.60	0.68	0.71	0.76	0.79	0.80	0.83	0.81	0.78	0.80	0.81	0.79	0.78	0.76	0.74	0.72	0.70	0.67
αS	0.03	0.07	0.12	0.18	0.22	0.38	0.37	0.47	0.58	0.50	0.47	0.44	0.29	0.23	0.19	0.18	0.16	0.15	0.13	0.11	0.09	0.05	0.04	0.04	0.33
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 (+/-3mm) due to their production method and some inherent raw-materials characteristics.

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