



**PLURA<sup>®</sup>**  
DIFFUSION PANEL



Image of 60x60cm model Ref.:PLR060.

## DESCRIPTION

Plura<sup>®</sup> is an acoustic diffusion panel, manufactured in ABS 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<sup>®</sup> 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 90° or 180° 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.

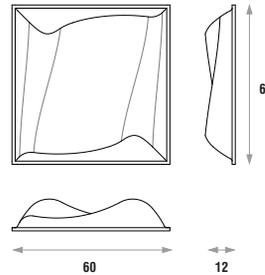
The external raw material of this panel was selected out of some materials that have the fastest and most specific properties required for a diffuser with these characteristics, however the ABS still has some advantages, namely UV protection, impact resistance and fire resistance M2.

The back part consists of a flat surface, which includes the mounting accessories. Its shape adjusts to even surfaces.

## FEATURES

- Manufactured with ABS.
- Average diffusion: **0.67/m<sup>2</sup>** [ $> 100\text{Hz}; < 5\text{KHz}$ ].
- Fire-resistance: VO - UL94 standards (similar to M2).
- 100% recyclable.
- Installation: accessories included.
- T-Ceiling application.

## TECHNICAL DRAWINGS

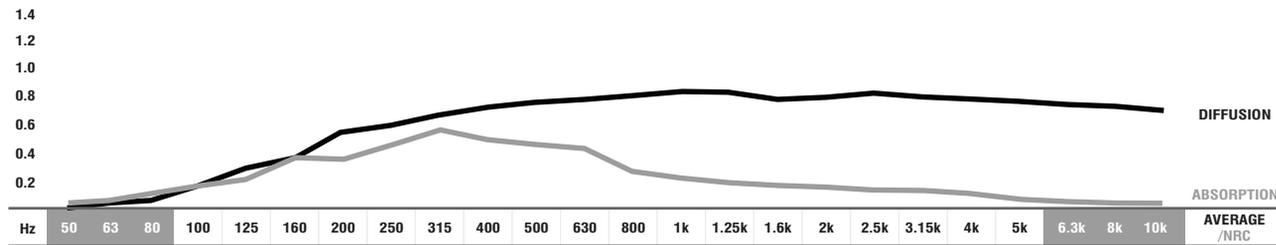


## MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
PLR060	60 cm	60 cm	12 cm	4.3 Kg

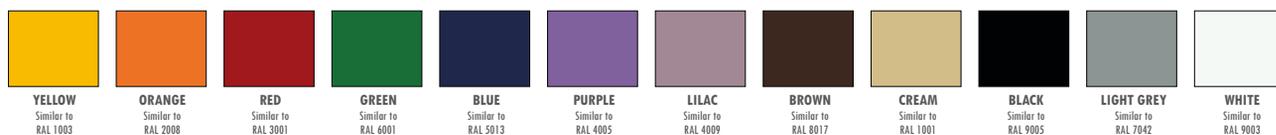
## DIFFUSION - ABSORPTION COEFFICIENT

	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	<b>0.67</b>
$\alpha_S$	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



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

## STANDARD ABS COLOURS



## IMPORTANT NOTICES

- JOCAVI<sup>®</sup> accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- RAL<sup>®</sup> 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 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<sup>®</sup> products' range.
- Sizes may vary slightly due to their production method and some inherent raw-materials characteristics.

