



WOODIFFUSOR[®]

DIFFUSION PANEL



Image of 60x60cm model Ref.:W0D060.

DESCRIPTION

This wooden diffusion panel is the result of a long design and analysis process and one of JOCAVI[®]'s options in terms of diffusion panels. The use of this extremely efficient panel is imperative to control primary reflections and other reflections from front walls, thus improving correct sound diffusion in the room.

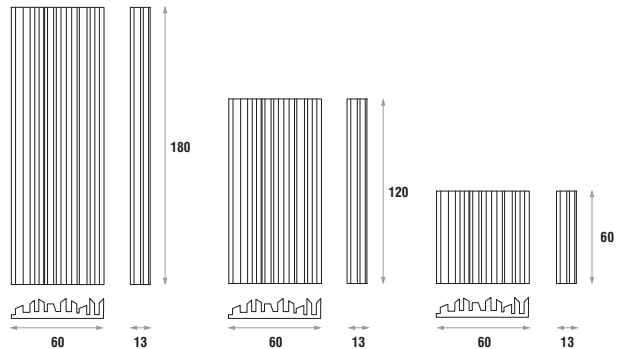
The WOODIFFUSOR[®] is a 2D diffusion panel that focuses on controlling horizontal dispersion and is efficient in a wide range of frequencies. It is based on the rotation sequence of primary incidence angles, thereby making sound diffusion uniform in several directions with similar energy.

This panel is made of solid pinewood with a finish of five different colours of varnish. The wood stands out inside the rooms and makes this product look very attractive, both acoustically and aesthetically.

FEATURES

- Manufactured with self-sustainable forest wood.
- Average diffusion: **0.59/m²** [$>100\text{Hz}; <5\text{KHz}$].
- Fire-resistance: Euroclass D-s1,d0 (similar to old M3).
- Finished with ecological varnishes.
- 100% recyclable.
- Installation: accessories included.

TECHNICAL DRAWINGS

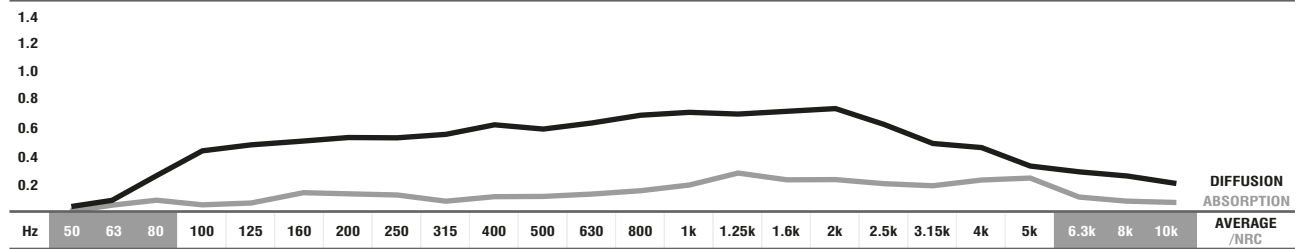


MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
WOD180	180 cm	60 cm	13 cm	57 Kg
WOD120	120 cm	60 cm	13 cm	38 Kg
WOD060	60 cm	60 cm	13 cm	19 Kg

DIFFUSION - ABSORPTION COEFFICIENT

	0.04	0.11	0.29	0.44	0.48	0.53	0.55	0.54	0.57	0.63	0.60	0.64	0.70	0.72	0.71	0.73	0.75	0.63	0.50	0.47	0.35	0.31	0.27	0.23	0.59
α_S	0.00	0.06	0.07	0.05	0.06	0.16	0.15	0.14	0.10	0.13	0.15	0.16	0.18	0.22	0.28	0.24	0.24	0.22	0.21	0.25	0.26	0.11	0.08	0.07	0.19



■ 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.

NATURAL WOOD 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.
- 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.
- Due to its natural origin, wood-based products will always present natural imperfections inherent to the organic nature. And for similar reasons, they will also present traces of old-age in the course of time.
- Wood and Fabric products are highly susceptible to change its appearance with humidity and temperature. Close attention must be paid to the storage conditions and the acclimatization before, during and after the installation.
- 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.
- Despite all the standard sizes of all products, this model can be customised upon previous consultation. Sizes may vary slightly due to their production method and some inherent raw-materials characteristics.

