



# WOODQUAD®

DIFFUSION PANEL



Images of 60x60cm model Ref.:WQD060

## DESCRIPTION

The use of diffuser panels is imperative to control primary reflections and other reflections from flat surfaces, thus improving correct sound diffusion in the room.

The WOODQUAD® is a two-dimensional quadratic residue sound diffuser created to expand our product line anchored in classical designs. It is designed to provide a more uniform sound field through mid and high frequencies and offers us optimal hemispherical scattering for wide angles of incidence.

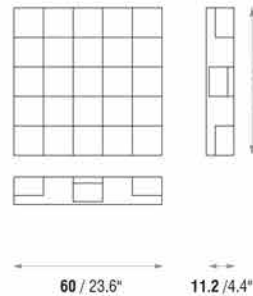
This wooden diffusion panel provides large spectrum bandwidth diffusion in a single integrated piece with minimal depth; it has the uniform scattering properties of a quadratic diffuser.

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

## FEATURES

- Manufactured with self-sustainable forest natural wood.
- 2D RQD reflection phase grating.
- Average diffusion: **0.63/m<sup>2</sup>** [ $> 100\text{Hz}; < 5\text{KHz}$ ].
- NRC: **0.19/m<sup>2</sup>** [ $> 250\text{Hz}; < 10\text{KHz}$ ].
- Fire-resistance: Euroclass D-s1,d0 (similar to old M3).
- Finished with ecological veneers.
- 100% recyclable.
- Application on ceiling and walls.
- Installation: accessories included.

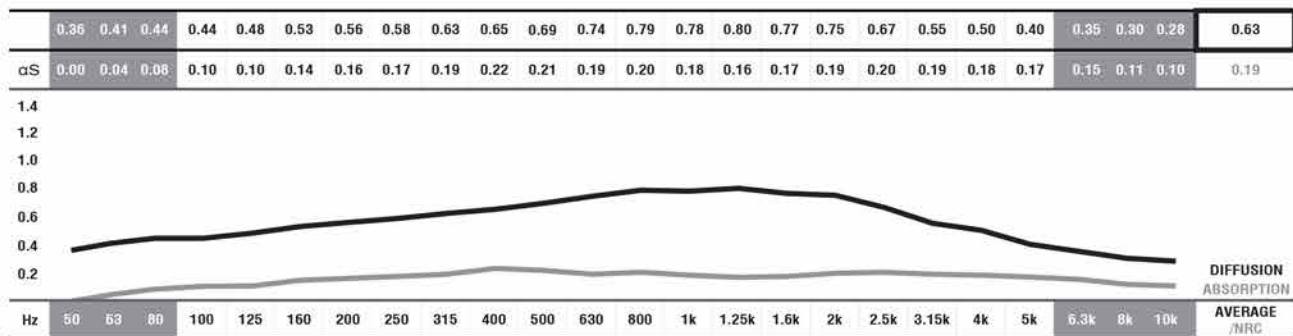
## TECHNICAL DRAWINGS



## MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
WQD060	60 cm (23.6 in)	60 cm (23.6 in)	11.2 cm (4.4 in)	19 Kg (41.89 lbs)

## DIFFUSION - ABSORPTION COEFFICIENT



■ 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.

## WOOD VENEER FINISHINGS



## 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 tonal 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.