



NATURAL WOOD

Image of 60x60cm model Ref. WGL060 (on the left) and the same model applied (closeup image).

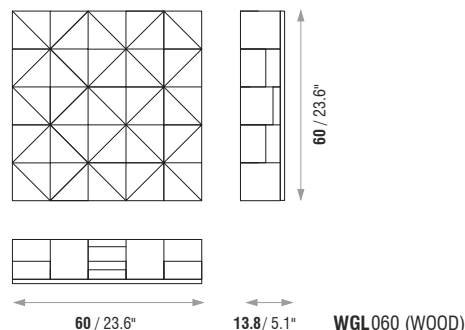
DESCRIPTION

The use of solid wood in the construction of acoustic diffusers is a very classic custom in studio design. The use of diffusers is imperative to control primary reflections and other reflections from the flat surfaces, improving correct sound diffusion to the listening position. JOCAVI® designed this model with a dual sequence function comparing with the conventional quadratic diffusers, that is, it has two residual quadratic routine calculations, one regular and one inverted. The usual square gives way to two triangles in the same square. As a result, WOODGLEAM® has two triangles with different depths with the main sequence and the inverse sequence, within one square. The WOODGLEAM® is a two-dimensional dual routine quadratic residue sound diffuser created to provide a more uniform sound field through the reflection of the mid-range frequencies. It offers a dual hemispherical scattering for shorter angles of incidence, which is an advantage for small and medium-sized rooms. This wooden diffusion panel can be combined with its similar WOODQUAD® which has simple quadratic calculus, and has the uniform scattering properties of a regular quadratic diffuser. This panel is made of solid pinewood with a finish of several different colors makes this product look very attractive, both acoustically and aesthetically.

FEATURES

- Manufactured with self-sustainable forest pine wood
- Average diffusion: **0.65/m²** [$>500\text{Hz}; <5\text{KHz}$].
- NRC: **0.17/m²** [$>250\text{Hz}; <10\text{KHz}$].
- Dual routine 2D RQD reflection phase grating.
- Fire-resistance: B-s1,d0 (similar to old M3) for the Wood model.
- Finished; Natural wood with ecological varnishes
- 100% recyclable
- Package: 2 units.
- Application on ceiling and walls.
- Installation: accessories included.

TECHNICAL DRAWINGS

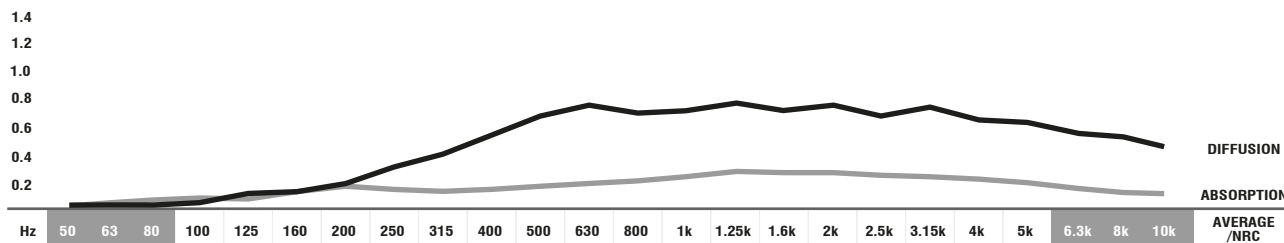


MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
WGL060	60 cm (23.6 in)	60 cm (23.6 in)	14 cm (5.4 in)	18.0 Kg (39.7 lbs)
WGL120	120 cm (47.2 in)	60 cm (23.6 in)	14 cm (5.4 in)	36.0 Kg (79.4 lbs)
WGL180	180 cm (70.9 in)	60 cm (23.6 in)	14 cm (5.4 in)	44.0 Kg (97.0 lbs)

DIFFUSION - ABSORPTION COEFFICIENT

Avg	0.01	0.01	0.01	0.03	0.09	0.11	0.16	0.27	0.36	0.50	0.63	0.70	0.65	0.67	0.72	0.67	0.60	0.63	0.69	0.60	0.58	0.51	0.48	0.42	0.54
α_S	0.00	0.03	0.05	0.07	0.06	0.11	0.14	0.12	0.11	0.13	0.14	0.16	0.18	0.20	0.24	0.23	0.23	0.21	0.20	0.18	0.16	0.12	0.10	0.09	0.17



■ 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.
- 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.
- Sizes may vary slightly (+/-3mm) due to their production method and some inherent raw-materials characteristics.