

Image of 60x60cm model Ref.:DIA060.

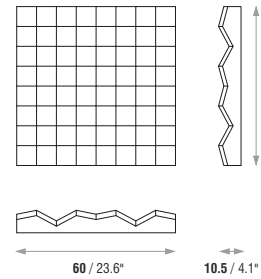
DESCRIPTION

The DIAMOND® is a 3D-controlled dispersion multidirectional reflection panel with a depth factor that is logarithmically varied. It is, therefore, a three-dimension omnidirectional reflection panel that controls primary reflections and fragments the energy in 64 vertices of incidence by using the theoretical numerical sequence ratio of the primitive root as a basis for calculation. It is built with HIPS recyclable material, and its modular design makes it a particular and high-performance diffuser. The reflection angles were optimised according to mid-size room applications.

The DIAMOND® is an acoustic diffusion element with a lozenge geometry. The front view refers to 64 interconnected polygons with four multiple sound diffusion angles, which determines a diamond shape. It was created in 16 singular modules that have a quadrangular base and different extrusion heights on each corner. The combination of those positions results in a geometrically scattering diffusion pattern with a very attractive shape.

Thus, the DIAMOND® produces exceptional results of sound diffusion effect and provides spaces with considerable sound perception.

TECHNICAL DRAWINGS



FEATURES

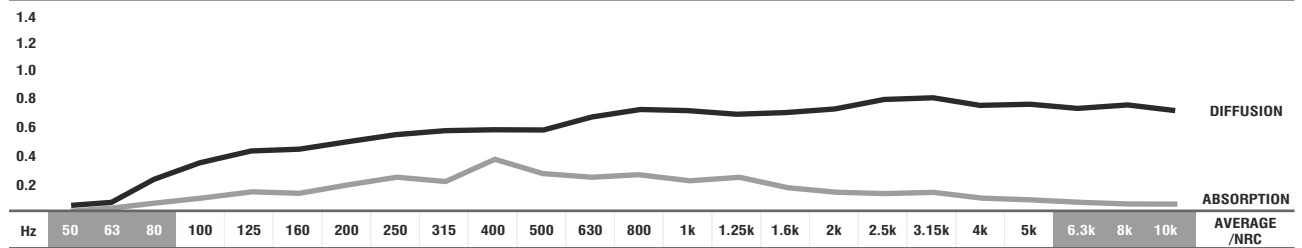
- Manufactured with HIPS.
- Average diffusion: **0.63/m²** [$> 100\text{Hz}; < 5\text{KHz}$].
- NRC: **0.22/m²** [$> 250\text{Hz}; < 10\text{KHz}$].
- Fire-resistance: VO - UL94 standards (similar to M2).
- 100% recyclable.
- Installation: accessories included.

MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
DIA060	60 cm (23.6 in)	60 cm (23.6 in)	10.5 cm (4.1 in)	4.5 Kg (9.92 lbs)

DIFFUSION - ABSORPTION COEFFICIENT

	0.04	0.08	0.24	0.35	0.44	0.46	0.50	0.55	0.58	0.59	0.58	0.66	0.72	0.71	0.69	0.70	0.73	0.79	0.80	0.75	0.76	0.73	0.75	0.71	0.63
α_S	0.01	0.03	0.06	0.10	0.15	0.14	0.20	0.25	0.23	0.38	0.29	0.25	0.27	0.22	0.25	0.19	0.13	0.13	0.14	0.10	0.09	0.06	0.05	0.05	0.22



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