



NEO 6Q[®] K

DIFFUSION PANEL

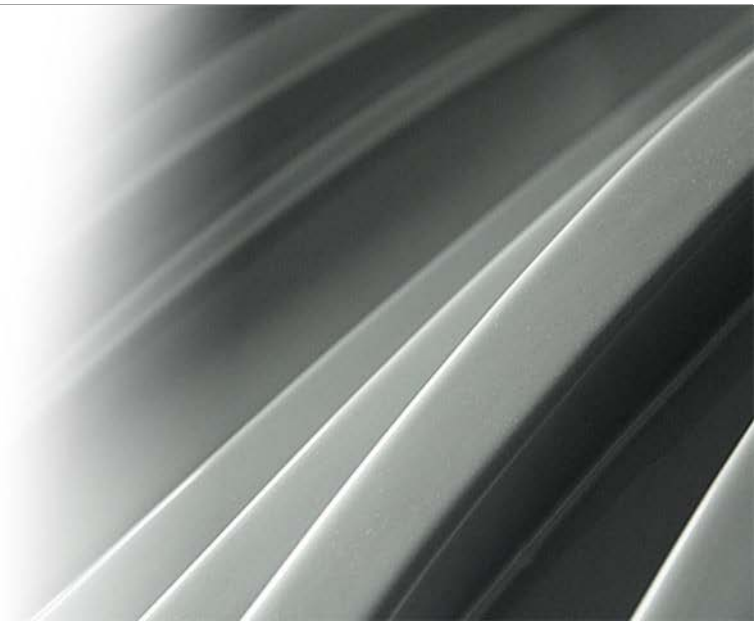


Image of 60x60cm model Ref.:N60060.

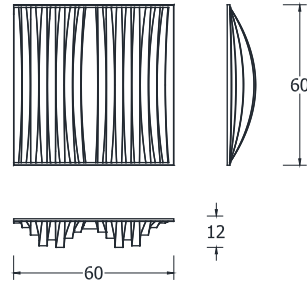
DESCRIPTION

From many years the Quadratic diffusers became a classic shape in architectural acoustics. Jocavi revisited and made a new design of the oldest ever project of acoustic diffuser modules. Starting from the same principle of the calculations for Quadratic diffusers, we reviewed it with a new approach and added a new energy flow calculation theory that added better predicates and advantages. The phase grating surface of the Neo6q[®] is designed to provide a more uniform diffusion of the sound reflections radiated against it, mostly in the mid and high frequencies sound field. Neo6q[®] has a nine stripe design pattern, making the distribution of energy homogeneous and balanced within its effective frequency range. In the cases where the reflections are disturbing the sound image and it is not advisory to add further absorption, diffusers are a very useful solution to reduce flutter echoes, early reflections, comb filtering etc., these components must be placed on the disturbing surface so that these derogatory characteristics can be manipulated. This model is made of ABS, with a composite filling of recycled materials, which gives it a specific mass and contributes to its consistence. The ABS as an external raw material makes it the fastest and most specific properties required for a diffuser like this, along with UV protection, impact resistance, durability and fire resistance Bs1. Neo6q[®] can be installed in recording studios, music education facilities, auditoriums and performing halls. It is available in several different colours. By using our fastening materials it can be applied on walls and ceilings, as well as "T" type mounting bars for fake ceilings.

FEATURES

- Average diffusion: **0.67/m²** [$>100\text{Hz}; <5\text{KHz}$].
- Manufactured with ABS.
- Flame resistance: M1
- Package: 8 or 16 units
- 100% recyclable.
- Several different aesthetic color combinations
- Installation: mounting accessories included or T-ceiling ready
- Two different shapes

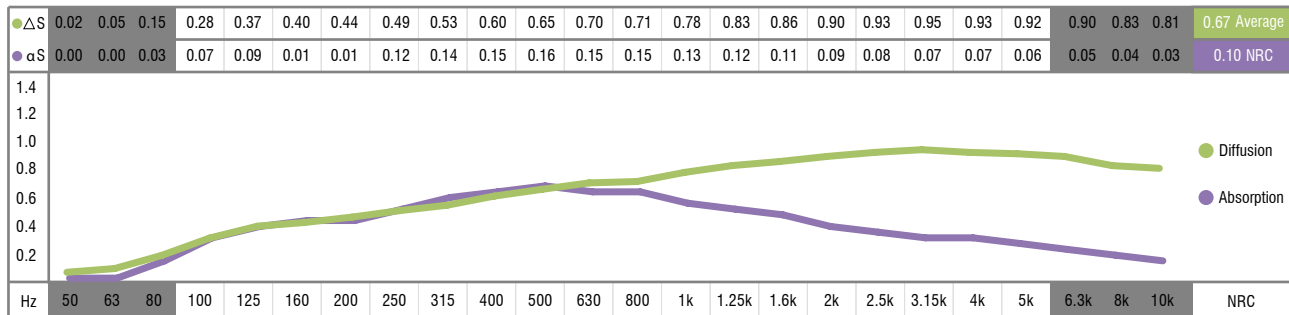
TECHNICAL DRAWINGS



MODELS AND SIZES

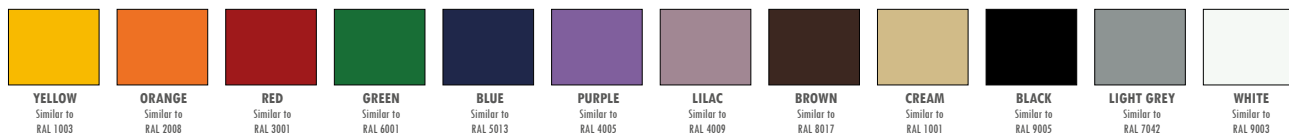
MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
N6Q060	60 cm	60 cm	12 cm	4.3 Kg

DIFFUSION - ABSORPTION COEFFICIENT



- **DIFFUSION COEFFICIENT:** These values were obtained by mathematical calculations and tests carried out in our laboratory. ■ Values [$<100\text{Hz}$ and $>5\text{K}$] are Non Standard Values.
 - **ABSORPTION COEFFICIENT:** Values in accordance with the standards: EN 20654, ASTM C423 and EN 11654.
- Above presented values based on tests and measurements done with the NEO 6Q model.

STANDARD ABS 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 due to their production method and some inherent raw-materials characteristics.

