



# TWIN<sup>®</sup>

DIFFUSION AND ABSORBENT PANEL

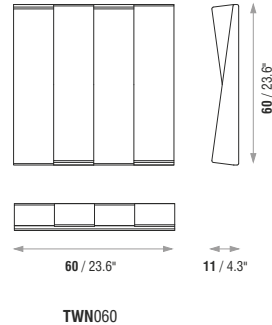


Image of 60x60cm model Ref.:TWN060 (on the left) and Ref.:TWN060 applied (ambient image).

## DESCRIPTION

TWIN<sup>®</sup> is an Absorbent and Diffuser element and it was designed to combine both features, balancing these two assets perfectly in an aesthetically symmetrical way. TWIN<sup>®</sup> enables the creation of uniform surfaces with a single model that softly absorbs the sound waves while maintaining the vivacity of the musical instruments' harmonics, which is vital for the music's natural acoustic environment. TWIN<sup>®</sup> has a great combination of absorption and diffusion patterns and it is an essential product when you require a better control of high-frequencies, adding at the same time some absorption to the mid-range of the sound spectrum. An excess of absorption elements in a room can cause the overtones manifested at the higher frequencies to be canceled out, it becomes imperative to use acoustic diffusers. Thus, if you are looking for a superb sound in a room, without compromising absorption, you will certainly reach the required acoustics with this product, by adding a few pieces of low-frequency bass traps as well. The most suitable application areas for this product are: music studio rooms, piano and acoustic instruments rooms, live rooms in general,

## TECHNICAL DRAWINGS



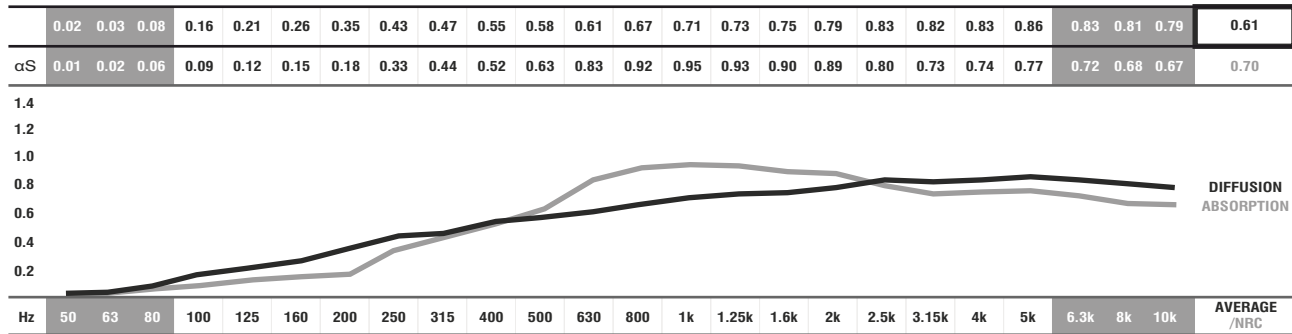
## FEATURES

- Manufactured with HIPS, Melamine Foam with velvet finishing.
- Average diffusion: **0.61/m<sup>2</sup>** [ $>100\text{Hz}; <5\text{KHz}$ ].
- NRC: **0.70/m<sup>2</sup>** [ $>250\text{Hz}; <10\text{KHz}$ ].
- HIPS - Fire-resistance: VO - UL94 standards (similar to M2).
- MELAMINE FOAM - Flame resistance: Euroclass B-s1,d0 (similar to old M1 France, Germany B1,GB class1, USA VO/HF1).
- Recyclable.
- Installation: accessories included.
- Several colours available.

## MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
TWN060	60 cm (23.6 in)	60 cm (23.6 in)	11 cm (4.3 in)	4.4 Kg (15.7 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.

## STANDARD HIPS COLOURS



## VELVETY COLOURS



## IMPORTANT NOTICES

- JOCAVI<sup>®</sup> accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- RAL<sup>®</sup> 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<sup>®</sup> products' range.
- Sizes may vary slightly (+/-3mm) due to their production method and some inherent raw-materials characteristics.

