



# TONAL® C

TUNED LF ABSORPTION PANEL



NEW

Image of 60x60cm model Ref.:TNL060c (on the left) and Ref.:TNL060c (ambient image).

## DESCRIPTION

The TONAL Corner® is a low frequency membrane absorbent panel designed to fit into 90° corners. Tuned to 50Hz, 63Hz or 80Hz, it has a range of absorption coverage of approximately 1/3 of octave above and below the tuning frequency. It is developed to fine tune the modal distribution of small rooms such as studio control rooms and home theatres.

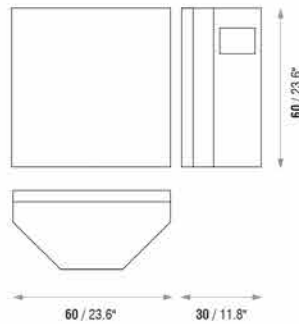
The principle used to develop TONAL Corner® is the Helmholtz Resonator reasoning with a defined neck length, using of a coloured engineered wood fiber board box with HIPS fabric finishing as the front membrane, thus creating the tuned resonant chamber.

This model can be combined with TONAL Wall®, in order to improve bass absorption. TONAL Wall® is a model designed for flat surfaces like walls and ceilings. Together these panels broaden the range of the absorbed frequencies to the next harmonic frequency. This combination is one of the best ways to treat low-frequency problems in small and medium-sized rooms.

## FEATURES

- Tuned to 50Hz, 63Hz and 80Hz.
- LF Average absorption [ $>50\text{Hz}$ ;  $<250\text{Hz}$ ]:  
80 Hz =  $0.88/\text{m}^2$  - 63 Hz =  $0.89/\text{m}^2$  - 50 Hz =  $0.86/\text{m}^2$
- Box made of Coloured Engineered Wood Fiber Board.
- Front membrane made of HIPS with fabric covered finishing.
- Fire-resistance: Euroclass B-s2,d0 (similar to old M1).
- Application on ceiling and wall corners.
- Package: 2 units
- Installation: accessories included.

## TECHNICAL DRAWINGS



## MODELS AND SIZES

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
TNL060c	60 cm (23.6 in)	60 cm (23.6 in)	30 cm (11.8 in)	5.9 Kg (13.01 lbs)

## ABSORPTION COEFFICIENT

■	$\alpha_s$	0.70	0.92	1.02	0.93	0.89	0.93	0.84	0.83	0.85	0.70	0.65	0.59	0.60	0.61	0.63	0.67	0.65	0.64	0.71	0.70	0.74	0.69	0.64	0.57	0.88	80 Hz
■	$\alpha_s$	0.80	0.97	0.94	0.88	0.93	0.90	0.85	0.81	0.84	0.70	0.66	0.60	0.61	0.62	0.65	0.67	0.66	0.65	0.72	0.71	0.74	0.70	0.64	0.58	0.89	63 Hz
■	$\alpha_s$	0.90	0.90	0.80	0.90	0.80	0.90	0.90	0.84	0.70	0.66	0.59	0.60	0.60	0.64	0.66	0.66	0.64	0.71	0.70	0.74	0.69	0.64	0.57	0.86	50 Hz	



Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	LF AVERAGE [ $>50\text{Hz}$ ; $<250\text{Hz}$ ]
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■ ■ ■ 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.

## ENGINEERED COLOURED WOOD COLOURS (BOX)



## STANDARD FABRIC 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.
- 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.