

SOUND WAVES UNDER CONTROL

DIFFUSERS

CUBE

IN CUBE

D-WAVE

D-WOOD

IDEATEC INNOVATION IN MOTION

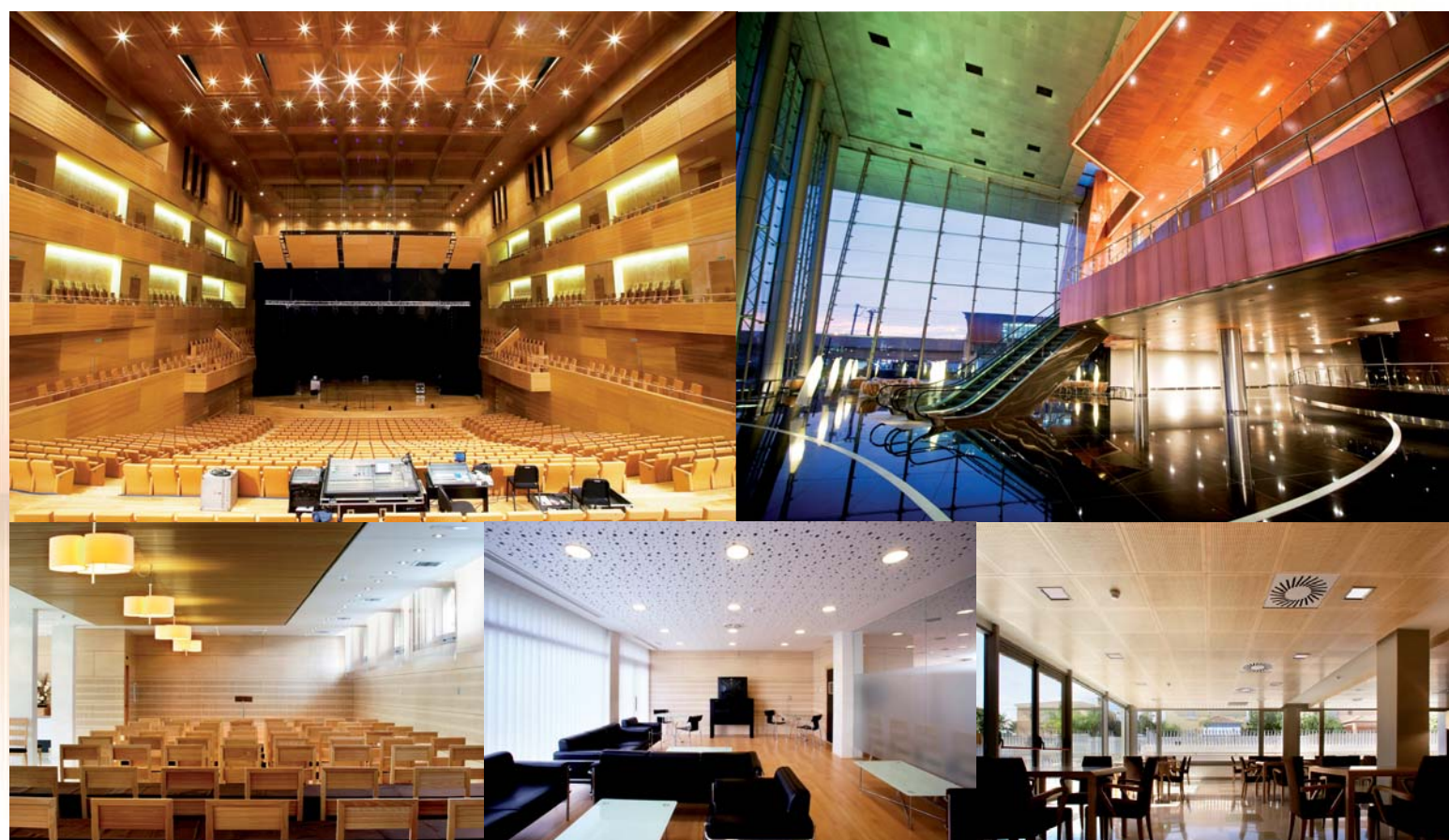
IDEATEC is an innovative company specializing in **sound absorption and diffusion systems**.

These systems are used in projects where the client either wishes to dampen unwanted noise or enhance the acoustic environment.

IDEATEC can create custom-made products to suit any given situation and this flexibility is greatly appreciated by our professional clients.

The combination of different systems, materials and designs gives us a wide range of options suitable for every technical and aesthetic need.

IDEATEC's flexible acoustic enhancement systems enable the company to adapt to even the most demanding technical and architectural challenges, as well as delivering outstanding performance.



OUTSTANDING QUALITY GUARANTEED EVERY TIME



We are able to guarantee all of our products, thanks to our technology and the continuous supervision carried out by a large team of professionals, with the best resources available.



IDEATEC has **ISO 9001** and **ISO 14001** certification, demonstrating our commitment to quality and environmental standards.



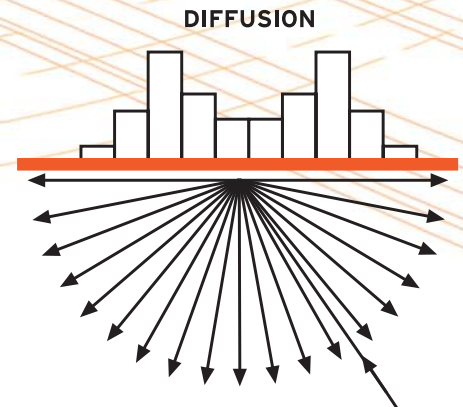
In addition **IDEATEC** has the **PEFC Chain of Custody Certificate**, providing assurance to our customers that the wood used in our products has originated from sustainable sources.

ACOUSTIC EFFICACY IN PUBLIC SPACES

MULTI DIRECTIONAL DIFFUSERS

In addition to its wide range of perforated panels for ceilings and walls - for a more even sound - **IDEATEC** offers a selection of diffusers which, as their name implies, scatter sound waves in a variety of different directions eliminating floating echoes which may be present due to the geometry of the space.

Enhancing the acoustic environment allows for greater audibility and ease of communication.



BENEFITS AND APPLICATIONS

- Enhance the acoustic environment.
- Enable sound to be widely and evenly distributed.
- Neutralise undesired reflections and possible interference with recording equipment or loudspeakers.
- Acoustically effective and decorative at the same time.
- Control floating echoes without reducing wave's intensity.

Improving the acoustic environment: in public spaces: LOBBIES, RESTAURANTS, CONFERENCE HALLS, MEETING ROOMS, HOME THEATER, AUDITORIUMS, ETC enabling greater audibility and ease of communication.

CUBE

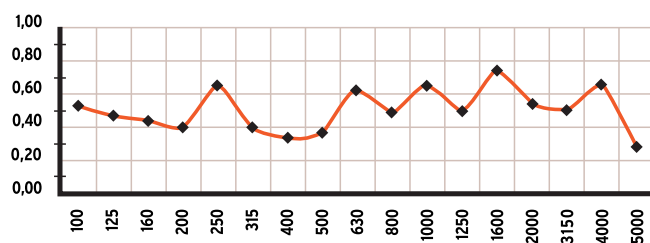
ideatec
advanced acoustic solutions



FEATURES

- Customised design, according to frequency needs.
- **600x600 mm** cube of **MDF** or **hard wood**, **RAL** or **varnished finish**.
- Fire resistant **MDF** boards are also available.
- **Estimated weight:** 4.70 kg (10.36 lb.) per cube.

SCATTERING COEFFICIENT



Frequency (Hz) Simulation in our own laboratories

FUNCTION

Acoustic reflection: minimum sound absorption, lower than **0.2 sabins** from absorption coefficient. Very high reflection.

Acoustic diffusion: Due to its design, sound waves hit and reflect evenly.

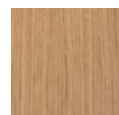
STANDARD FINISHES



MAPLE



CHERRY



OAK



WENGE



BEECH

IN CUBE

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FEATURES

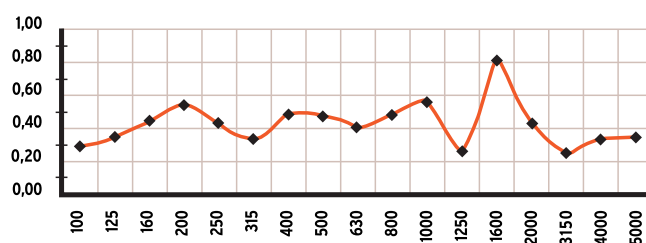
- Customised design, according to frequency needs.
- **600x600 mm** cube of **MDF** or **hard wood**, **RAL** or **varnished finish**.
- Fire resistant **MDF** boards are also available.
- **Estimated weight:** 6.30 kg (13.89 lb.) per cube.

FUNCTION

Acoustic reflection: minimum sound absorption, lower than **0.2 sabins** from absorption coefficient. Very high reflection.

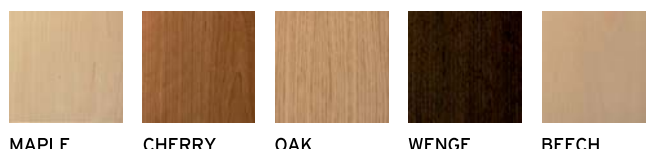
Acoustic diffusion: Due to its design, sound waves hit and reflect evenly.

SCATTERING COEFFICIENT



Frequency (Hz) Simulation in our own laboratories

STANDARD FINISHES



D - WAVE

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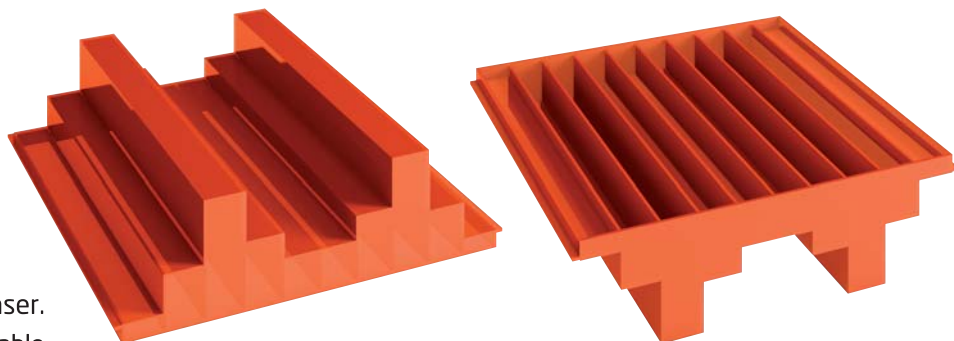
FEATURES

- Manufactured in Methacrylate, cut by laser.
- Transparent or translucent. Resistant, durable and light.
- **600x600 mm** cube, forming a structure with different depths.
- Optimal solution for frequencies higher than **400 Hz**. In lower frequencies, apply a larger diffusion surface.
- **LED** lighting available or adaptation to other lights.
- **Estimated weight:**
 - 3.63 kg (8 lb.) with no lamp.
 - 4.70 kg (10.36 lb.) with **LED** lighting.

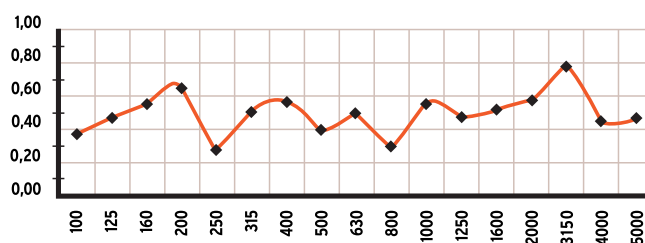
FUNCTION

Acoustic reflection: Being a non-porous material, it has a very high reflection property.

Acoustic diffusion: This diffuser's special design reflects waves in multiple directions, creating a more even sound. It can be placed on both sides (depending on the desired effect) concave being the preferred option.



SCATTERING COEFFICIENT



Frequency (Hz) Simulation in our own laboratories

STANDARD FINISHES



D - WOOD

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FEATURES

- 1200x100 mm piece of **MDF** or **stripped hard wood**, with varying groove depths, **RAL** or **varnished finish**.
- Additional acoustic absorption can be achieved by using joining pieces in the double groove to create an open area.
- Fire resistant **MDF** available up to 30 mm of depth.
- **Estimated weight:** 1.10 kg (2.42 lb.) per piece.

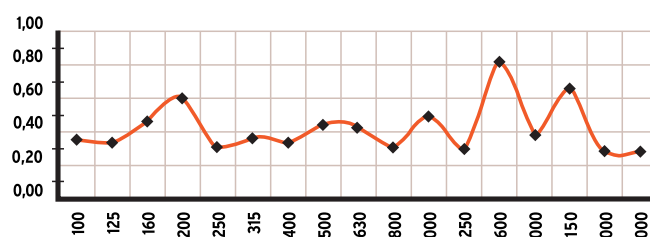
FUNCTION

Acoustic reflection: minimum sound absorption, lower than **0.2 sabins** from absorption coefficient. Very high reflection power.

Acoustic diffusion: Due to its design, sound waves hit and reflect evenly. According to frequencies to be spread (low or high), it is possible to modify the width and depth of the slots between strips.



SCATTERING COEFFICIENT



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STANDARD FINISHES



MAPLE

CHERRY

OAK

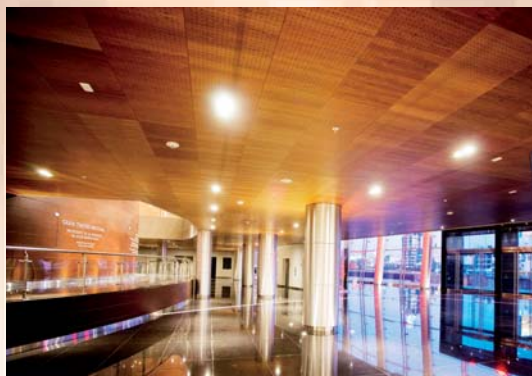
WENGÉ

BEECH

NOISE UNDER CONTROL

Creating products to control noise and thus improving quality of life is our objective. Nowadays, acoustic enhancement is required in noisy or crowded public spaces, where even the human voice may be considered as a source of noise pollution.

IDEATEC has applied its technical expertise and products to enhance the acoustic environment in meeting rooms, recording studios, shopping centers, educational spaces, auditoriums, restaurants and hospitals in over 25 countries.



Lobby. National Grand Theater of Peru.

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