

IDEAPERFO.

ACOUSTIC COMFORT

BORN OUT OF WOOD

ideatec 
advanced acoustic solutions

WOOD LOOKING AFTER SOUND

IDEATEC stands out for designing and manufacturing highly effective acoustic solutions, making the most of the natural properties of elements such as wood. Proof of this is our continuous presence in projects all over the world. Our perforated or slotted panel systems for ceilings and walls allow us to guarantee an optimal acoustic performance in any situation, taking care of the interior spaces' aesthetic at the same time.

All our models meet the most demanding requirements at technical and aesthetical levels. Because of this, prominent world specialists in acoustic engineering, building and interior design integrate **IDEATEC's** solutions in their projects.

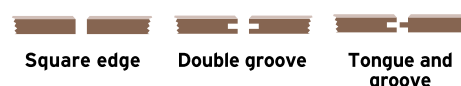


INSTALLATION


















CEILING PANELING

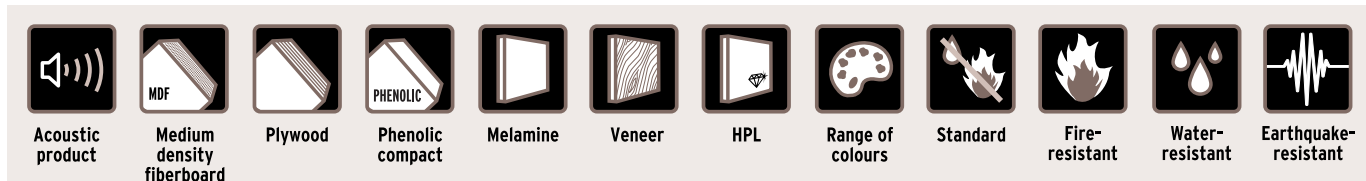


WALL PANELS



SUPPORT MATERIALS

  MDF Melamine 12/16 mm	  	Special support materials	Consult				
  MDF Wood veneered 13/16 mm	  	Phono-absorbent layer	Black acoustic fabric attached to the back				
  Plywood 13/16 mm	  	Dimensions	<table border="1"> <tr> <td>Ceiling paneling</td> <td>600/1200x600 mm 610/1220x610 mm</td> </tr> <tr> <td>Wall paneling</td> <td>2430x600 mm 1200x600 mm 600x600 mm</td> </tr> </table>	Ceiling paneling	600/1200x600 mm 610/1220x610 mm	Wall paneling	2430x600 mm 1200x600 mm 600x600 mm
Ceiling paneling	600/1200x600 mm 610/1220x610 mm						
Wall paneling	2430x600 mm 1200x600 mm 600x600 mm						
  HPL Phenolic compact 10/12 mm	  	Tolerance	Width: +/- 1,5 mm Length: +/- 1,5 mm According to the EC Mark				



EVERY OPTION IN FINISHINGS

Our wide range of finishings includes melamines –wooden or plain colors–, tints, lacquers and natural veneers. These options, applied to different base materials –MDF, plywood or phenolic compact–, have a final result of great quality in common. We also supply profile systems for ceilings and wall claddings for an easy installation. Adaptation to the most demanding environments is possible thanks to the multiple combinations available with finishings, measurements, and distance between slots or drills.

All this, together with diffusers and ECOTEX fabric panels, allows us to offer highly effective acoustic and aesthetic solutions.

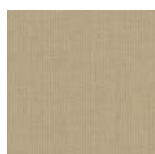
MELAMINES



MAPLE



CHERRY



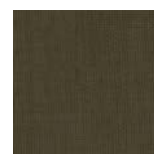
CORAL



SILVER



WHITE PINE



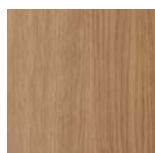
CACTUS



WENGUE



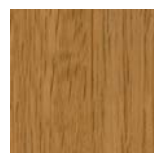
BEECH



OAK



WHITE



IROITE

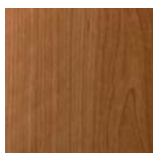


WALNUT

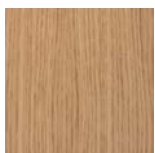
NATURAL VENEERS



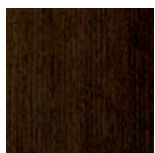
MAPLE



CHERRY



OAK



WENGUE



BEECH



ONE-COLOR MELAMINE or HPL LAMINATES

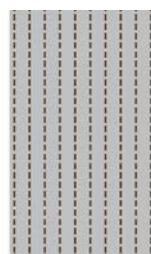
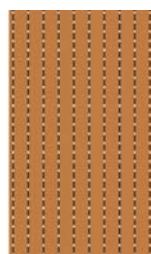
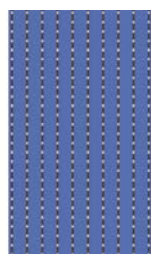
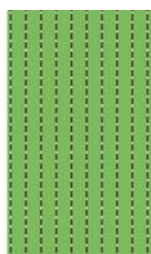
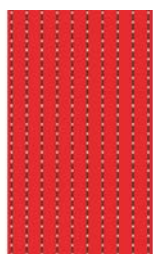
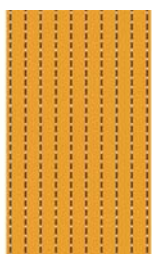
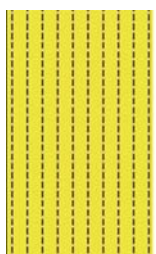
You can choose among more than 100 different colours.

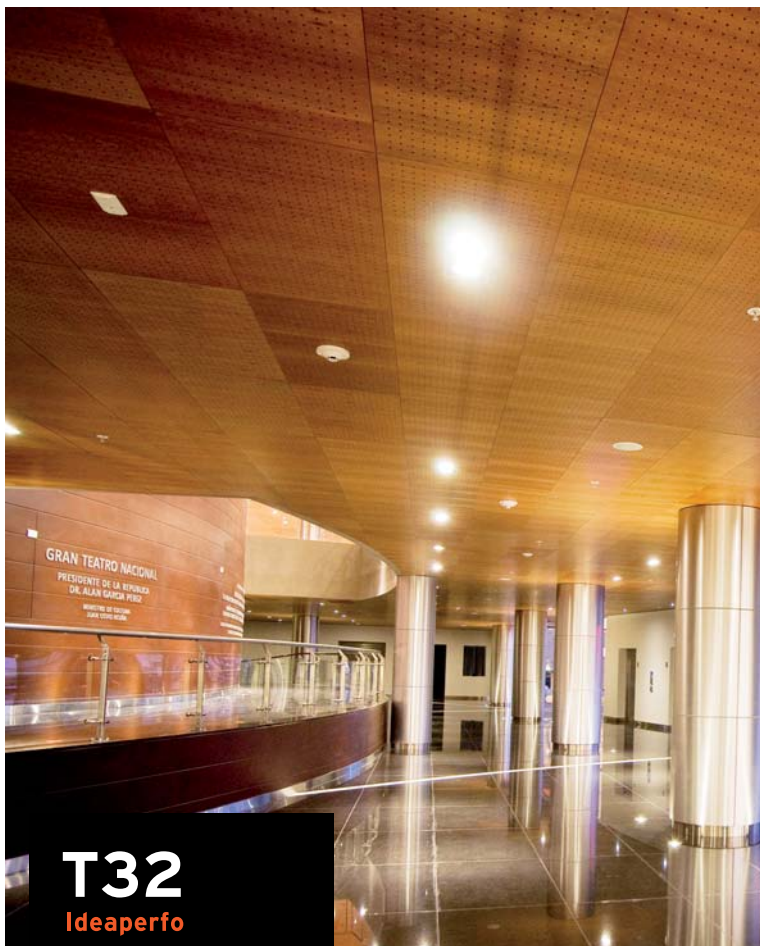
LAQUERED PANELS

We have the necessary ability, technology and tools to supply our panels in any reference of **PANTONE**, **RAL** or **NCS**.

MASS-COLOURED MDF PLANKS

Finally, we have a range of mass-coloured MDF planks which gives the tone of the desired colour with an innovation touch distinguishing it from the other systems.





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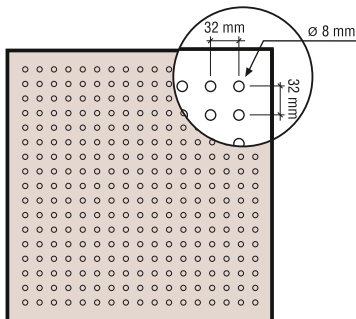
GREAT NATIONAL THEATER.
PERU



T16
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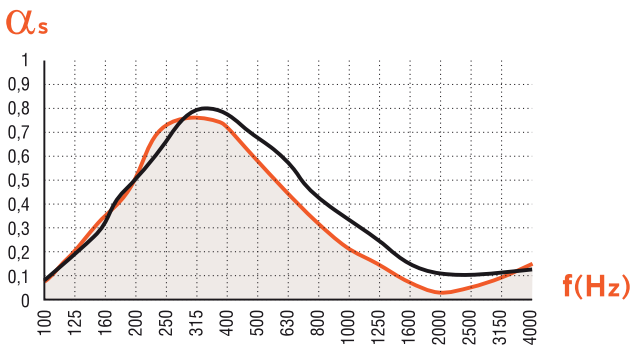
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COMERCE CHAMBRE.
MONT-DE-MARSAN, FRANCE



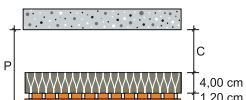
STUDIED DATA	
DIMENSIONS	600x600 mm
DIAMETER	8 mm
PERFORATIONS	289
PERFORATION PERCENTAGE	4,04%
PERFORATION-AVAILABLE	4 mm, 6 mm, 8 mm and 10 mm

ABSORPTION COEFFICIENT



TEST CONDITIONS

- A total of 8 cm high in the Plenum +4 cm of rockwool.
- A total of 5 cm high in the Plenum +4 cm of rockwool.



Medium acoustic absorption coefficient



$\alpha_m = 0,30$
 $\alpha_m = 0,40$

Average acoustic absorption coefficient



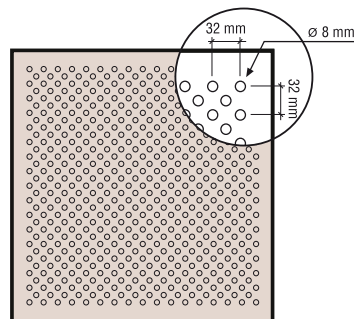
$\alpha_w = 0,40$ (L*)
 $\alpha_w = 0,45$ (M*)

Noise reduction coefficient



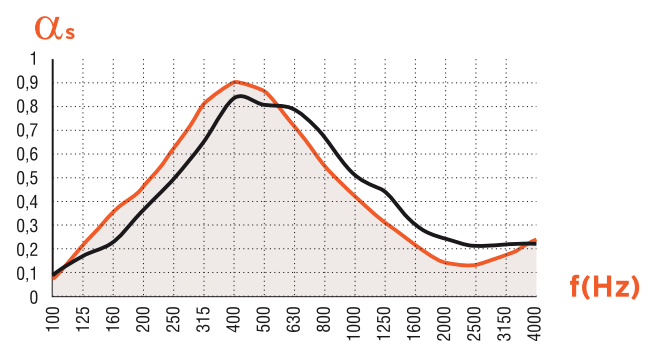
NRC = 0,40
NRC = 0,45

* Material with absorption coefficients risen to medium (M) and low (L) frequencies.



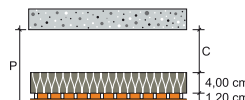
STUDIED DATA	
DIMENSIONS	600x600 mm
DIAMETER	8 mm
PERFORATIONS	545
PERFORATION PERCENTAGE	7,61%
PERFORATION-AVAILABLE	4 mm, 6 mm, 8 mm and 10 mm

ABSORPTION COEFFICIENT



TEST CONDITIONS

- A total of 8 cm high in the Plenum +4 cm of rockwool.
- A total of 5 cm high in the Plenum +4 cm of rockwool.



Medium acoustic absorption coefficient



$\alpha_m = 0,50$
 $\alpha_m = 0,55$

Average acoustic absorption coefficient



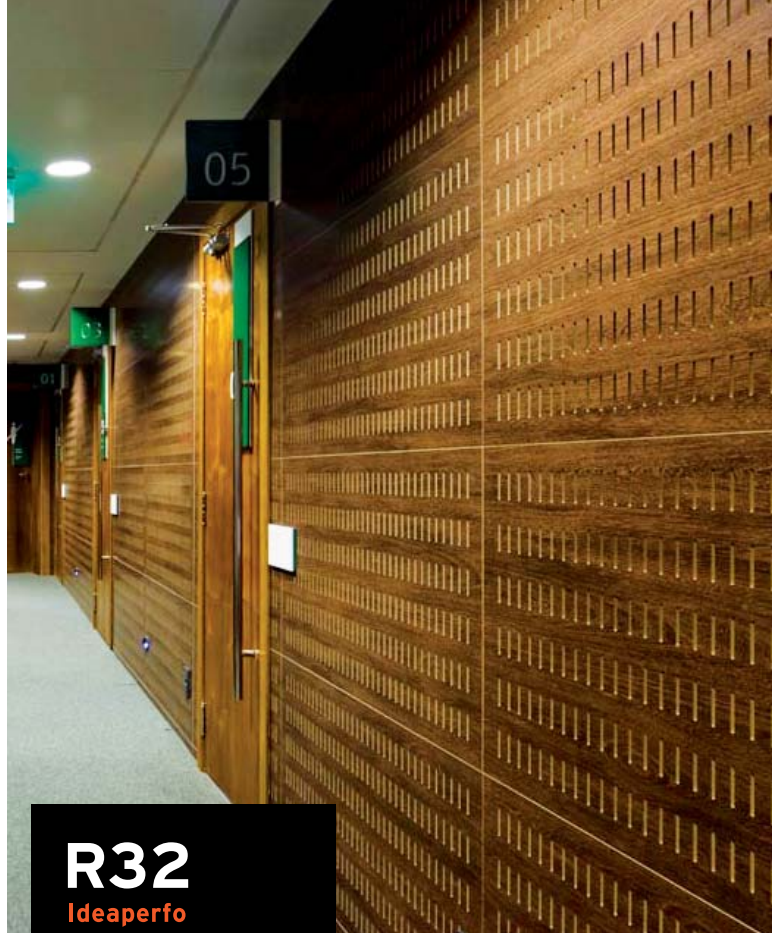
$\alpha_w = 0,55$ (M*)
 $\alpha_w = 0,55$ (M*)

Noise reduction coefficient



NRC = 0,55
NRC = 0,55

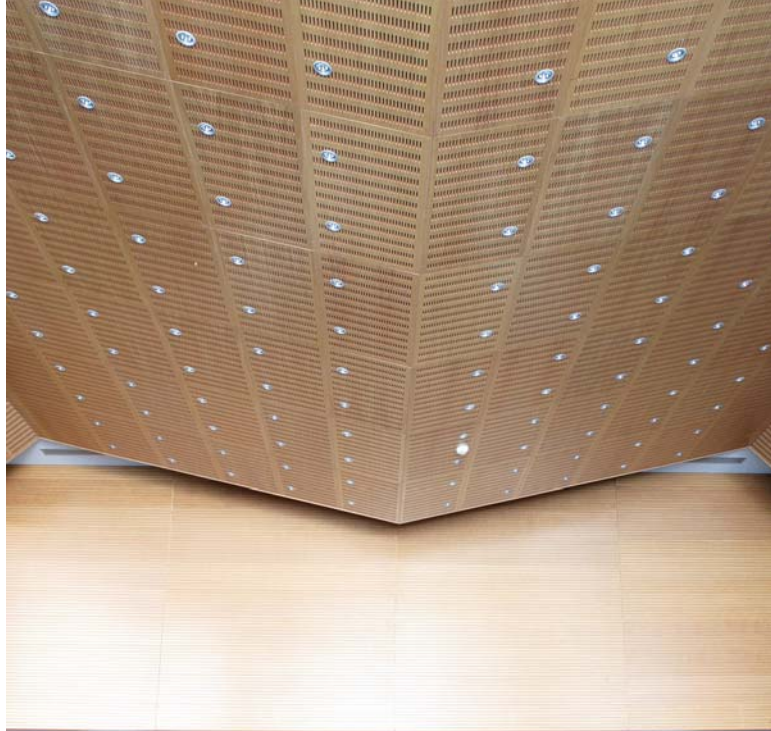
* Material with absorption coefficients risen to medium (M) frequencies.



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MUSIC SCHOOL,
BRAZIL

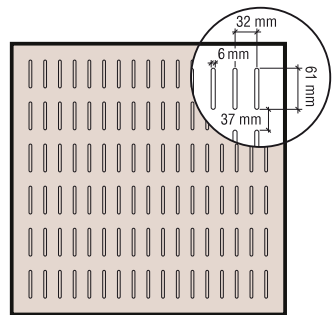
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R16
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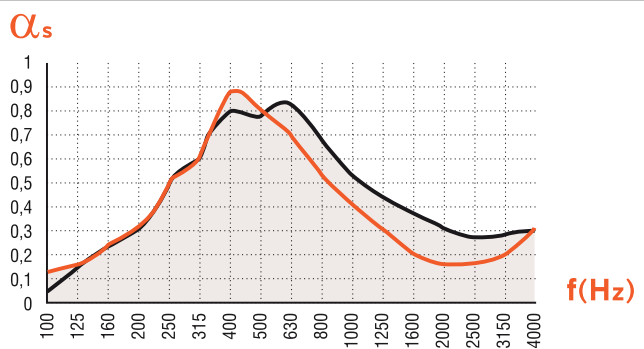
THESSALONIKI CITY HALL,
GREECE

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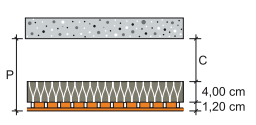
STUDIED DATA	
DIMENSIONS	600x600 mm
SLOTS	6x61 mm
NUMBER OF SLOTS	102
PERFORATION PERCENTAGE	10,15%
SLOTS-AVAILABLE	4 mm, 6 mm, 8 mm and 10 mm

ABSORPTION COEFFICIENT



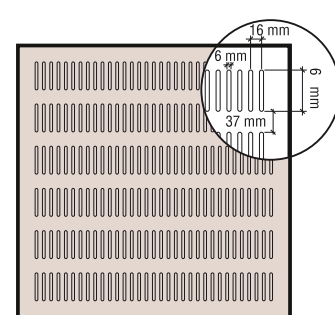
TEST CONDITIONS

- A total of 8 cm high in the Plenum +4 cm of rockwool.
- A total of 5 cm high in the Plenum +4 cm of rockwool.



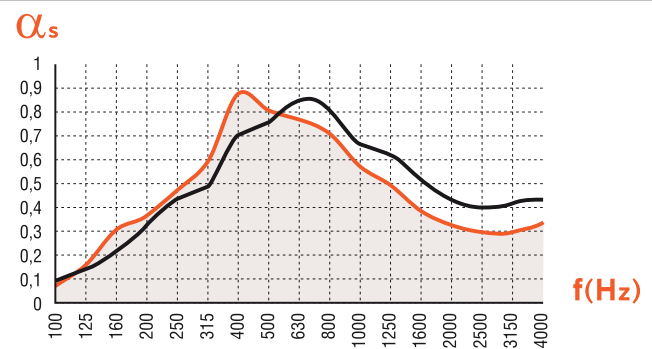
Medium acoustic absorption coefficient	$\alpha_m = 0,45$
Average acoustic absorption coefficient	$\alpha_w = 0,50$ (M*)
Noise reduction coefficient	NRC = 0,50

* Material with absorption coefficients risen to medium (M) frequencies.



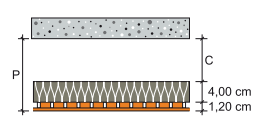
STUDIED DATA	
DIMENSIONS	600x600 mm
SLOTS	6x61 mm
NUMBER OF SLOTS	198
PERFORATION PERCENTAGE	19,71%
SLOTS-AVAILABLE	4 mm, 6 mm, 8 mm and 10 mm

ABSORPTION COEFFICIENT



TEST CONDITIONS

- A total of 8 cm high in the Plenum +4 cm of rockwool.
- A total of 5 cm high in the Plenum +4 cm of rockwool.



Medium acoustic absorption coefficient	$\alpha_m = 0,60$
Average acoustic absorption coefficient	$\alpha_w = 0,60$
Noise reduction coefficient	NRC = 0,55

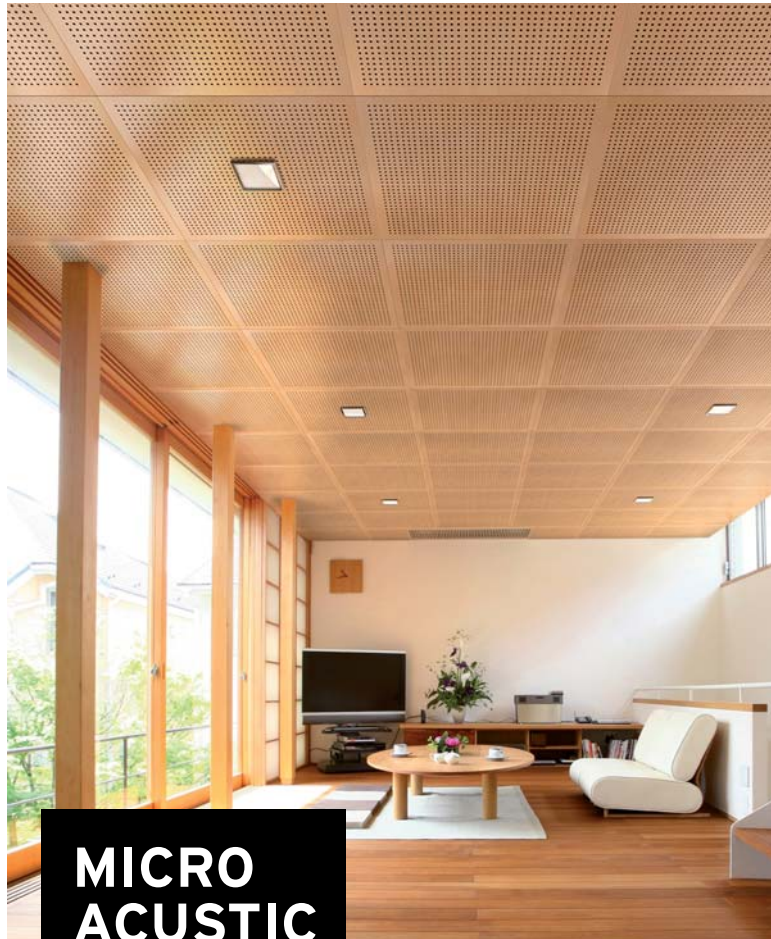
NRC = 0,60



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GERIATRIC.
VALENCIA, SPAIN

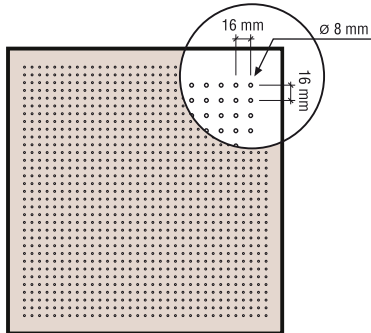
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MICRO ACUSTIC
Ideaperfo

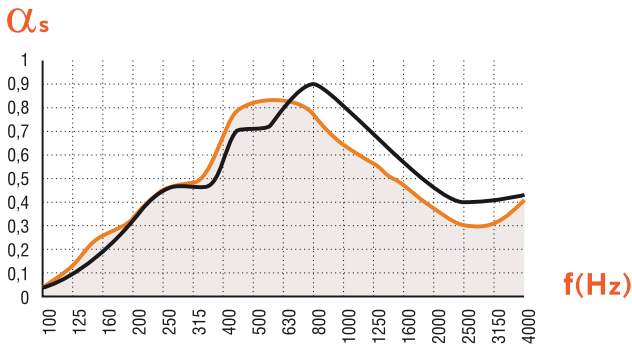
RURAL HOTEL.
SPAIN

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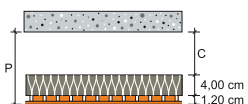
STUDIED DATA	
DIMENSIONS	600x600 mm
DIAMETER	8 mm
PERFORATIONS	1089
PERFORATION PERCENTAGE	15,21%
PERFORATION-AVAILABLE	4 mm, 6 mm, 8 mm and 10 mm

ABSORPTION COEFFICIENT



TEST CONDITIONS

- A total of 8 cm high in the Plenum +4 cm of rockwool.
- A total of 5 cm high in the Plenum +4 cm of rockwool.



Medium acoustic absorption coefficient



$\alpha_m = 0,60$
 $\alpha_m = 0,60$

Average acoustic absorption coefficient

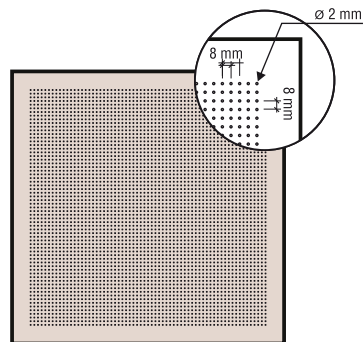


$\alpha_w = 0,60$
 $\alpha_w = 0,60$

Noise reduction coefficient

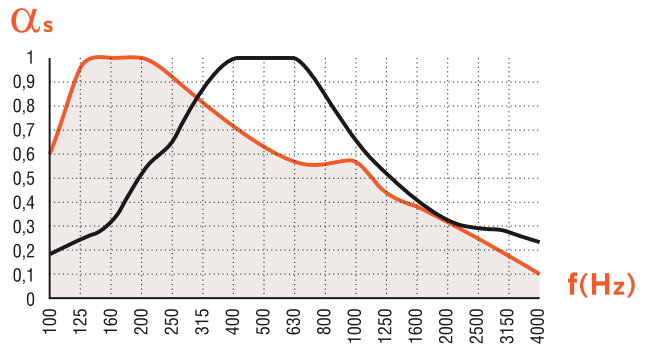


NRC = 0,55
NRC = 0,55



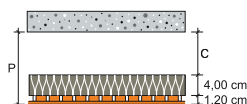
STUDIED DATA	
DIMENSIONS	600 x 600 mm
DIAMETER	2 mm
PERFORATIONS	4225
PERFORATION PERCENTAGE	3,68%

ABSORPTION COEFFICIENT



TEST CONDITIONS

- A total of 8 cm high in the Plenum +4 cm of rockwool.
- A total of 5 cm high in the Plenum +4 cm of rockwool.



Medium acoustic absorption coefficient



$\alpha_m = 0,48$
 $\alpha_m = 0,72$

Average acoustic absorption coefficient



$\alpha_w = 0,25$ (LM*)
 $\alpha_w = 0,35$ (LM*)

Noise reduction coefficient



NRC = 0,60
NRC = 0,70



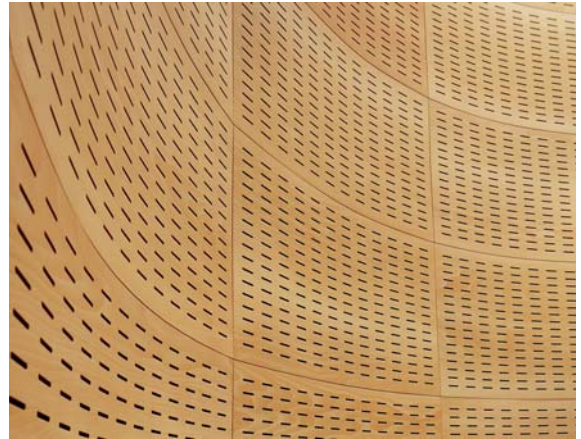
FLEX
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IMFK.
DIJON, FRANCE

FLEX solution, available in all **IDEATEC** models, offers acoustic conditioning solutions in curved surfaces, being concave, convex or undulated.

The installation includes special assembly systems with specific edges, meshes for complex 3D figures and other special layouts used in avant-garde architecture.



NOISE UNDER CONTROL

IDEATEC products are intended to achieving an acoustic harmony inside closed spaces, such as meeting rooms, recording studios, commercial areas, educational facilities, auditoriums, restaurants and hospitals, among many others.

Our acoustic conditioning systems are currently present in more than 25 countries all over the world.



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