

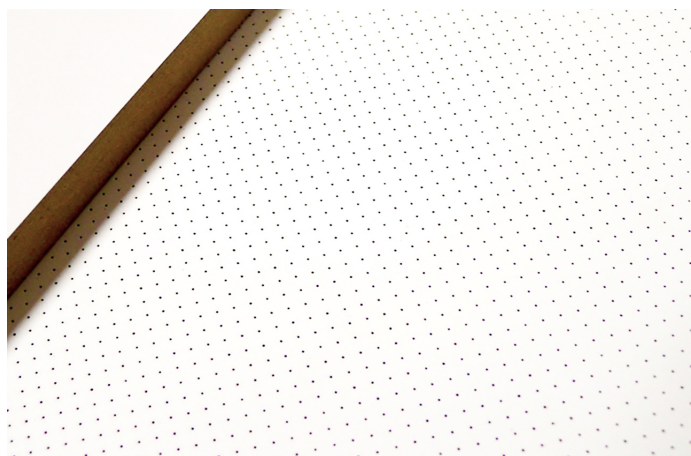


MicroAcoustic micro-perforated wood acoustic panels are ideal for creating acoustic walls or wall coverings installed with Tecalum mounting profiles, and as **sound absorbing ceilings** with modular mounting profiles type T24. Depending on the type of fixing, the mounting systems can be inspectable and not inspectable.



MicroAcoustic micro-perforated wood acoustic panels are ideal for the acoustic correction of large spaces such as offices, conference rooms, restaurants, theaters and auditoriums, and all those places for collective use where it is necessary to control the sound diffusion and meet the aesthetic needs of high profile.

This **acoustic resonator** made of micro-perforated wood offers a high degree of sound absorption and extraordinary decorative properties. The 0.5 mm diameter holes are practically **invisible** from 1/2 m away and trap sound waves, reducing reverberation within the environment.



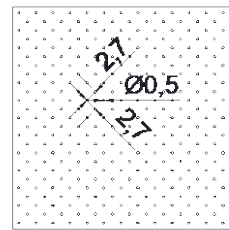
For an **optimal absorption coefficient in class A** it is necessary to provide a space of at least 30/40 mm between the wall and the back of the panels to insert a mineral fiber or polyester mattress with a density of 30-40 kg / m³.

MicroAcoustic acoustic panels are made of standard or fireproof MDF wood fiber. The surface finishes of the micro-perforated panels are available in a wide range of natural wood veneers, painted or lacquered in RAL or NCS, and in melamine.

Micro Acoustic

Model: MicroAcoustic

Description Micro-perforated acoustic panel in 16 mm MDF.



Acoustic characteristics

Pitch (mm) 2,7 x 2,7

Hole diameter (mm) \varnothing 0,5

Hole depth (mm) 0,7

Perforated surface (%) 2,7

Sound absorption

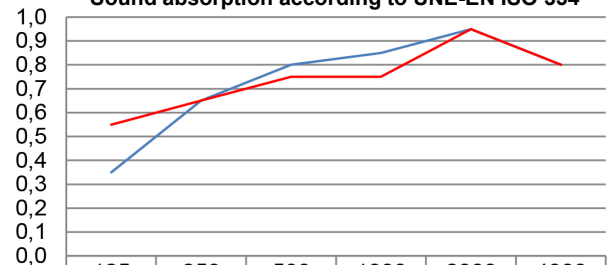
Plenum 50 mm α_w 0,85

Plenum 200 mm α_w 0,80

Absorption class B

Absorption class A
(+ mineral wool 45mm
21 kg/m³)

Sound absorption according to UNE-EN ISO 354



	125	250	500	1000	2000	4000
— Plenum 50mm	0,35	0,65	0,80	0,85	0,95	0,80
— Plenum 200mm	0,55	0,65	0,75	0,75	0,95	0,80

Frequency [Hz]

General characteristics

Materials	<ul style="list-style-type: none">• MDF Standard D-s2,d0• MDF Fireproof B-s2,d0 (with natural red core)• MDF Mass colored D-s2,d0• MDF Mass colored B-s2,d0	
Thickness	<ul style="list-style-type: none">• 16 mm (MDF)	
Middleweight aprox. (kg/m2)	<ul style="list-style-type: none">• Standard: 10,0 kg/m2 (16 mm)	<ul style="list-style-type: none">• Fireproof: 12,5 kg/m2 (16 mm)
Format	<ul style="list-style-type: none">• 2430 x 600 mm / 1200 x 600 mm / 600 x 600 mm	
Surface finish	<ul style="list-style-type: none">• MDF raw, without laminate• Melamine	<ul style="list-style-type: none">• Natural essence veneer• High pressure laminate (HPL)
Acoustic veil	<ul style="list-style-type: none">• Included in the back side	<ul style="list-style-type: none">• Painted /Lacquered

Contact Acoustic Lab for other materials or thicknesses.

Mechanization

Ceiling

- Visible inspectable T24
- Semi-hidden
- Hidden V6 (joint of 6mm)

Wall

- Visible
- No inspectable milled edge

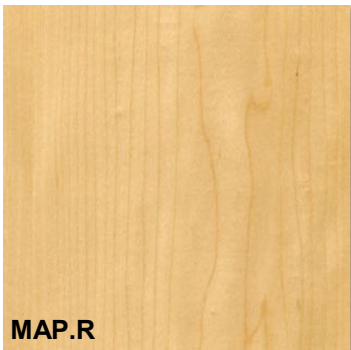
Applications

- Wall covering
- False ceiling

Accessories and complements

- Fixing systems
- Ceiling: standard system with visible and hidden profiles
 - Wall: structure with wooden profiles and mechanic fixing.

Wood veneer



MAP.R
Maple



FBL.R
Light beech



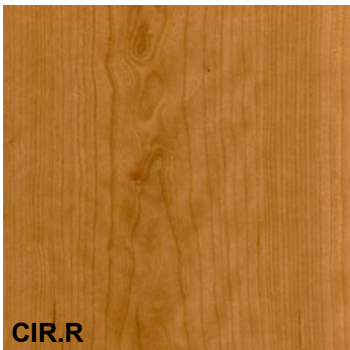
FBU.L
Beech



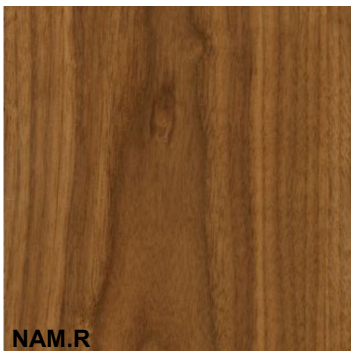
FBU.R
Dark beech



REU.L
European oak



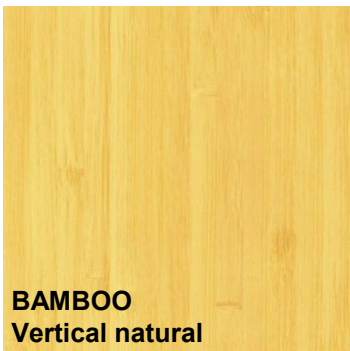
CIR.R
Cherry



NAM.R
American walnut



WEP.L
Wenge



BAMBOO
Vertical natural
Bamboo vertical natural



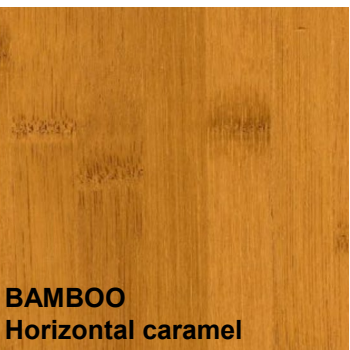
BAMBOO
Horizontal natural

Bamboo horizontal natural



BAMBOO
Vertical caramel

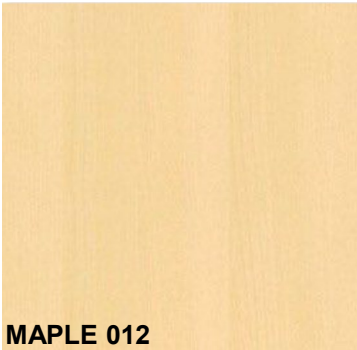
Bamboo vertical caramel



BAMBOO
Horizontal caramel

Bamboo horizontal caramel

Melamine



MAPLE 012
Maple



BEECH 016
Beech



CHERRY 018
Cherry



OAK 012
Oak



WHITE 012
White



ALUMINIUM 012
Aluminium



LIGHT OAK 014
Light oak



DARK OAK 014
Dark oak



WHITE OAK 014
White oak



GREY OAK 014
Grey oak