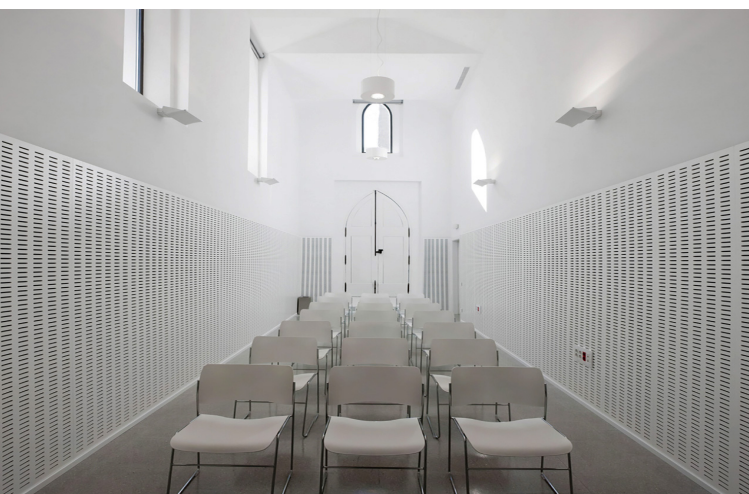


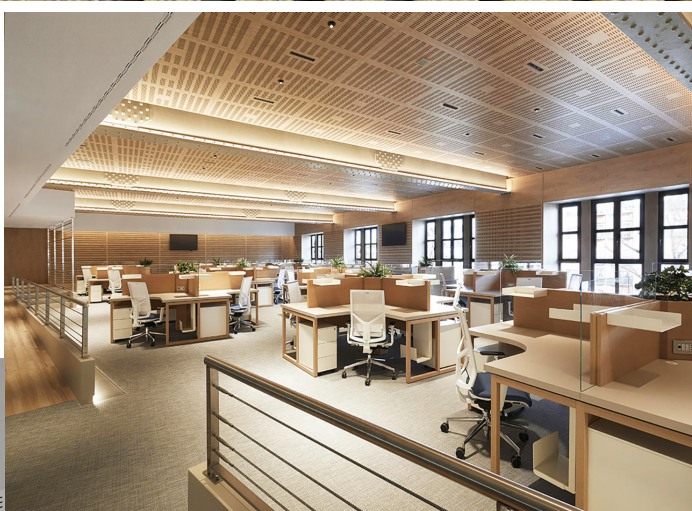
# Technical sheet Groovy Acoustic

**Groovy Acoustic wooden acoustic panels** are characterized by a high degree of sound absorption and a design with a refined and elegant style. Their acoustic characteristics vary according to the number and size of the milling present on the surface. The panels can be installed both as a wooden ceiling and as an acoustic wall. This versatility is also reflected in the decorative aspect through the customization of the different groove patterns. **Groovy Acoustic panels** adapt to various types of spaces such as offices, open spaces, restaurants, auditoriums, university classrooms and in all indoor environments where acoustic comfort is to be improved.



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 / m<sup>3</sup>.

**Groovy Acoustic panels** are made of standard or fireproof MDF wood fiber. The surface finishes of the panels are available in a wide range of natural wood veneers, painted or lacquered in RAL or NCS and in melamine. The panels can also be made of mass-colored MDF or plywood. It is possible to carry out special milling or mechanization to integrate the systems (lamps, etc.).



**Groovy Acoustic slotted wood acoustic panels** can be installed on the wall with Tecalum mounting profiles and as a **false wooden ceiling** with modular mounting profiles type T24.

Depending on the type of fixing, the mounting systems can be inspectable and not inspectable.



# Groovy Acoustic

## Model: GA058

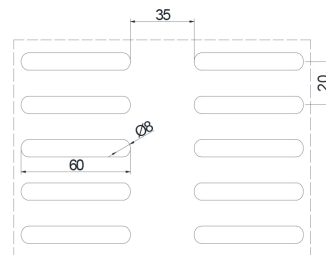
**Description** Perforated acoustic panel with aligned grooves.

### Acoustic characteristics

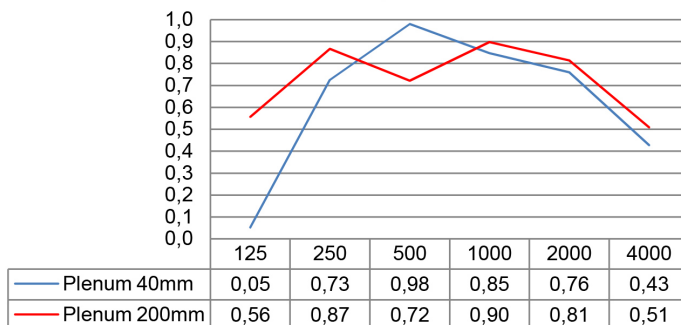
Pitch (mm)	20 x 35
Groove (mm)	Ø 8 x 60
Hole depth (mm)	through
Perforated surface (%)	21

### Sound absorption

Plenum 40mm $\alpha_w$	0,60
NRC	0,85
Plenum 200mm $\alpha_w$	0,70
NRC	0,80
Absorption class	C
Absorption class (+ mineral wool 40mm 30kg/m <sup>3</sup> )	A



### Sound absorption according to UNE-EN ISO 354



### General characteristics

Materials	<ul style="list-style-type: none"><li>• MDF Standard D-s2,d0</li><li>• MDF Fireproof B-s2,d0 (red or natural core)</li></ul>	
Thickness	<ul style="list-style-type: none"><li>• 12 mm (MDF)</li><li>• 16 mm (MDF)</li></ul>	
Middleweight aprox. (kg/m <sup>2</sup> )	<ul style="list-style-type: none"><li>• Standard: 7,5 kg/m<sup>2</sup> (12 mm)</li><li>• Standard: 10,0 kg/m<sup>2</sup> (16 mm)</li></ul>	<ul style="list-style-type: none"><li>• Fireproof: 9,5 kg/m<sup>2</sup> (12 mm)</li><li>• Fireproof: 12,5 kg/m<sup>2</sup> (16 mm)</li></ul>
Format (in panels)	<ul style="list-style-type: none"><li>• MDF 12 mm: 600 x 600 mm / 1200 x 600 mm</li><li>• MDF 16 mm: 2400 x 600 mm/ 1200 x 600 mm</li></ul>	
Surface finish	<ul style="list-style-type: none"><li>• Raw, without laminate</li><li>• Melamine</li></ul>	<ul style="list-style-type: none"><li>• Natural essence veneer</li><li>• High pressure laminate (HPL)</li><li>• Painted/Lacquered</li></ul>

**Contact Acoustic Lab for other materials or thicknesses.**

	Ceiling		Wall
Mechanization	<ul style="list-style-type: none"><li>• Visible inspectable T24</li><li>• Semi-hidden</li><li>• Hidden V6 (joint of 6 mm)</li></ul>		<ul style="list-style-type: none"><li>• Without mechanizing</li><li>• Milled edge no inspectable</li></ul>

**Applications**

- Wall covering
- False ceiling

### Accessories and complements

Edges	<ul style="list-style-type: none"><li>• Metal perimeter edges available in various shapes and sizes</li><li>• Wooden joint cover in the same finish as the panel</li></ul>
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Fixing systems	<ul style="list-style-type: none"><li>• Ceiling: standard system with visible and hidden profiles</li><li>• Wall: structure with wooden profiles and mechanical fixing</li></ul>
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# Groovy Acoustic

## Model: GA068

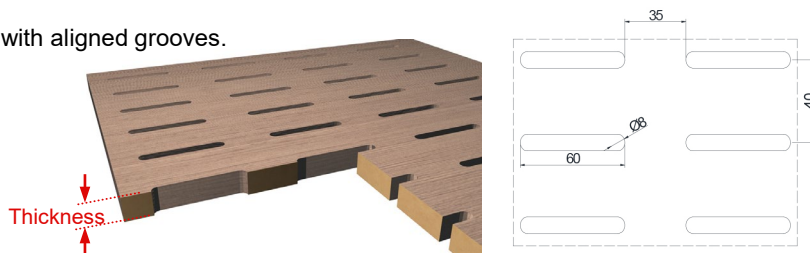
**Description** Perforated acoustic panel with aligned grooves.

### Acoustic characteristics

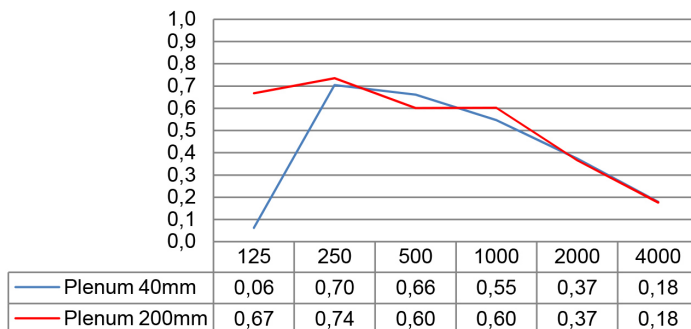
Pitch (mm)	40 x 35
Groove (mm)	Ø 8 x 60
Hole depth (mm)	Through
Perforated surface (%)	10,9

### Sound absorption

Plenum 40mm $\alpha_w$	0,35
NRC	0,55
Plenum 200mm $\alpha_w$	0,35
NRC	0,60
Absorption class	D
Absorption class (+ mineral wool 40mm 30kg/m <sup>3</sup> )	A



Sound absorption according to UNE-EN ISO 354



### General characteristics

Materials	<ul style="list-style-type: none"> <li>• MDF N (no fireproof)</li> <li>• MDF I (fireproof, with red or natural core)</li> </ul>	
Thickness	<ul style="list-style-type: none"> <li>• 12 mm (MDF)</li> <li>• 16 mm (MDF)</li> </ul>	
Fire resistant According to EN 13501-1	<ul style="list-style-type: none"> <li>• Standard: D - s2, d0</li> <li>• Fireproof: B - s2, d0</li> </ul>	
Middleweight aprox. (kg/m <sup>2</sup> )	<ul style="list-style-type: none"> <li>• Standard: 7,5 kg/m<sup>2</sup> (12 mm)</li> <li>• Standard: 10,0 kg/m<sup>2</sup> (16 mm)</li> </ul>	<ul style="list-style-type: none"> <li>• Fireproof: 9,5 kg/m<sup>2</sup> (12 mm)</li> <li>• Fireproof: 12,5 kg/m<sup>2</sup> (16 mm)</li> </ul>
Format (in panels)	<ul style="list-style-type: none"> <li>• MDF 12 mm: 600 x 600 mm/ 1200 x 600 mm</li> <li>• MDF 16 mm: 2400 x 600 mm/ 1200 x 600 mm</li> </ul>	

**Contact Acoustic Lab for other materials or thicknesses.**

Surface finish	<ul style="list-style-type: none"> <li>• Raw, without laminate</li> <li>• Melamine</li> </ul>	<ul style="list-style-type: none"> <li>• Natural essence veneer</li> <li>• High pressure laminate (HPL)</li> <li>• Painted/Lacquered</li> </ul>
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	<b>Ceiling</b> <ul style="list-style-type: none"> <li>• Visible inspectable T24</li> <li>• Semi-hidden</li> <li>• Hidden V6 (joint of 6 mm)</li> </ul>	<b>Wall</b> <ul style="list-style-type: none"> <li>• Without mechanizing</li> <li>• No inspectable milled edge</li> </ul>
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### Applications

- Wall covering
- False ceiling

### Accessories and complements

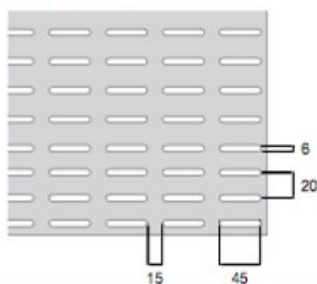
Edges	<ul style="list-style-type: none"> <li>• Metal perimeter edges available in various shapes and sizes</li> <li>• Wooden joint cover in the same finish as the panel</li> </ul>
Fixing systems	<ul style="list-style-type: none"> <li>• Ceiling: standard system with visible and hidden profiles</li> <li>• Wall: structure with wooden profiles and mechanical fixing</li> </ul>

## GA046

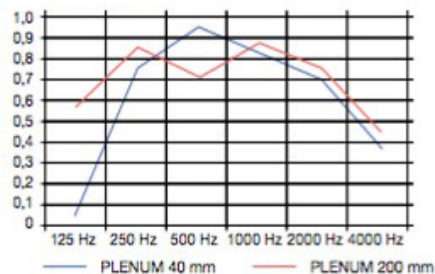
### CHARACTERISTICS

Groove	45 mm x 6 diameter
Pitch	20 x 35 mm
Perforated surface	19,7 %
Thickness	12 mm / 16 mm

### SIZES



### ACOUSTIC

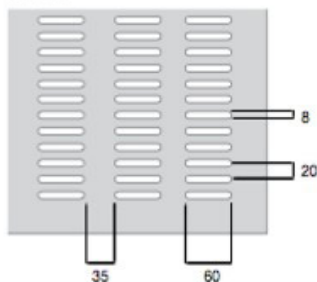


## GA058

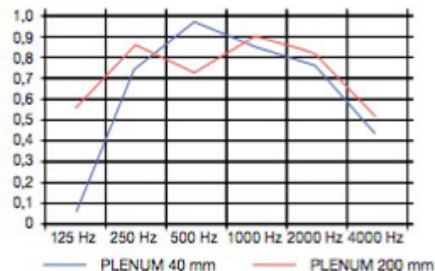
### CHARACTERISTICS

Groove	60 mm x 8 diameter
Pitch	20 x 35 mm
Perforated surface	21,8 %
Thickness	16 mm

### SIZES



### ACOUSTIC

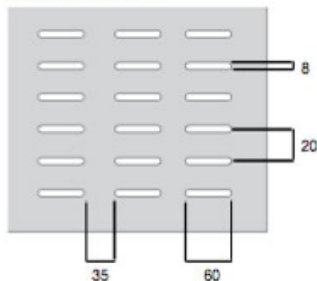


## GA068

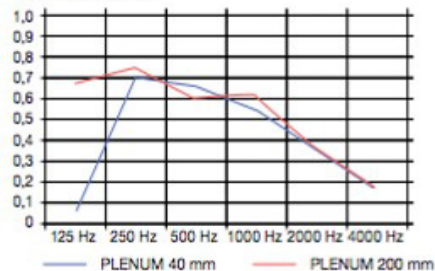
### CHARACTERISTICS

Groove	60 mm x 8 diameter
Pitch	40 x 35 mm
Perforated surface	10,9 %
Thickness	16 mm

### SIZES



### ACOUSTIC

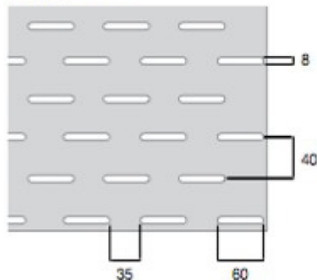


## GA078

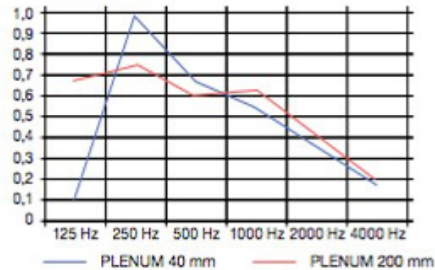
### CHARACTERISTICS

Groove	60 mm x 8 diameter
Pitch	40 x 35 mm
Perforated surface	10,5 %
Thickness	12 mm / 16 mm

### SIZES

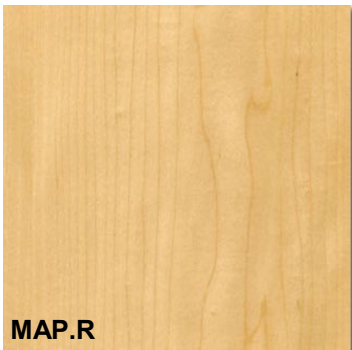


### ACOUSTIC



# Wood veneer

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**MAP.R**  
Maple



**FBL.R**  
Light beech



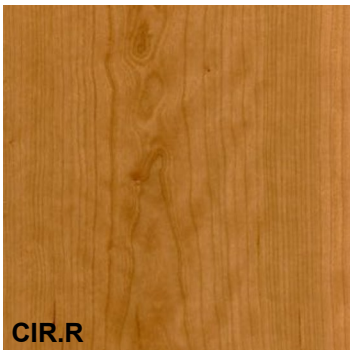
**FBU.L**  
Beech



**FBU.R**  
Dark beech



**REU.L**  
European oak



**CIR.R**  
Cherry



**NAM.R**  
American walnut



**WEP.L**  
Wenge



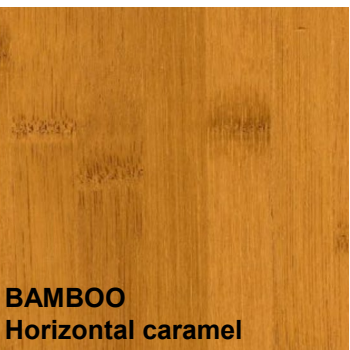
**BAMBOO**  
**Vertical natural**  
Bamboo vertical natural



**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



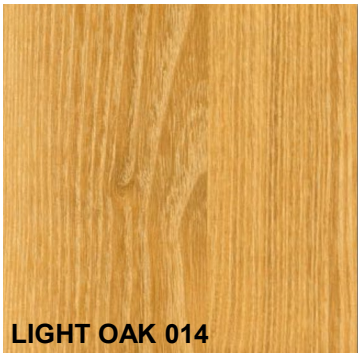
**OAK 012**  
Oak



**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