



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.

Acoustic Blade milled wooden acoustic panels are made from standard or fireproof MDF wood fiber. The surface finishes of the slatted panels are available in a wide range of natural wood veneers, RAL or NCS lacquered, in HPL laminate and in melamine. The panels can also be made of mass-colored MDF or plywood.



Acoustic Blade wooden acoustic panels are characterized by their attractive and modern design and their high acoustic performance. The Acoustic Blade acoustic system has a visible slatted surface and a perforated surface on the back. The different sizes of the holes, the space between two holes and the percentage of perforated surface are the parameters that differentiate the various types of panels proposed, ensuring excellent acoustic correction together with a high aesthetic level in offices, restaurants, auditoriums, etc.

The **Acoustic Blade panels** can be installed on the **wall** on wooden uprights or metal structures (omega profile), and as a **wooden false ceiling** with modular mounting profiles type T24. Depending on the type of fixing, the mounting systems can be inspectable and not inspectable.



Acoustic Blade milled wood acoustic panels can offer an even more personalized decorative result.

It is possible to **reproduce customized images and patterns** by changing the size of the milling holes and the distance between them. It is also possible to carry out **special milling** or mechanization to integrate the systems (lamps, etc.).

To improve the finishes of the installations, a series of accessories are proposed, such as perimeter cladding, skirting boards, corners, profiles and finishing edges.



Acoustic Blade Model: AB1



16 mm MDF acoustic slat with grooves on viewed face and holes on the back side.



1

0,9

0,8 0,7

0,6

0,5 0,4

0,3

0,2

0,1

0

Coeficiente de absorción sonora ponderado, α_ν

250

500

Clase de absorción acústica

125

Practical sound absorption coefficient αp

Plenum 50mm

Grafico corrispondente a MDF da 16mm

C

2000

0,75

1000

Secondo la UNE-EN ISO 354

Hz

Plenum 200mm

4000

0,70

Acoustic characteristics

- Distance between grooves (mm) 28
 - Groove width(mm) 4
 - Groove depth (mm) 6
 - Pitch of hole (mm) 16
 - Hole diameter (mm) 10
 - Hole depth (mm) 10
 - Perforated area (%) 7,6



Materials	 MDF N (not fireproof) MDF I (fireproof, with natural red core) 	
Thickness	• 16 mm (MDF)	
Fire resistant	• Standard: D - s2, d0	
According to EN 13501-1	• Fireproof: B - s2, d0	
Middleweight aprox. (kg/m2)	• Standard: 10,0 kg/m2 (16 mm)	• Fireproof: 12,5 kg/m2 (16 mm)
Format	Wall and ceiling not inspectable	Ceiling inspectable
	2430 x 120 1111	1200 x 320 mm
Contact Acoustic Lab for oth	er materials or thicknesses.	
Surface finish	• MDF raw, without laminate	• Natural essence veneer
	• Melamine	• Figh pressure laminate (HPL)
Mechanization	• Tapping	
Applications		
	• wan coverings	
Accessories and complem	ients	
Edges	 Edges and initial or end profiles Joint cover 	
Fixing systems	 Ceiling: standard system T24 visible or hidden with swivel clip. 	
 Wall: support structure in omega-shaped metal profiles, revolving fix metal profiles and profile joining system. 		profiles, revolving fixing clips, initial and final



Acoustic Blade Model: AB2

Description

16 mm MDF acoustic slat with grooves on viewed face and holes on the back side.



0,8

0,7

0,6 0,5

0,4

0,3

0,2

0,1

0

Coeficiente de absorción sonora ponderado, Qu

250

500

Clase de absorción acústica

125

Secondo la UNE-EN ISO 354

Hz

0,90

4000

0,90

Grafico corrispondente a MDF da16mm

2000

1000

Distance between grooves(mm)	
Groove width(mm)	2

- Groove depth (mm) 6
- Pitch of hole (mm) 16
- Hole diameter (mm) 10
- Hole depth (mm) 10
- Perforated area (%) 7,7



Materials Thickness	 MDF N (not fireproof) MDF I (fireproof, with natural red core) 16 mm (MDF) 	
Fire resistant According to EN 13501-1	 Standard: D - s2, d0 Fireproof: B - s2, d0 	
Middelweight aprox. (kg/m2)	• Standard: 10,0 kg/m2 (16 mm)	• Fireproof: 12,5 kg/m2 (16 mm)
Format	 Wall and ceiling not inspectable 2430 x 128 mm 	Ceiling inspectable 1200 x 320 mm
Contact Acoustic Lab for oth	er materials or thicknesses.	
Surface finish	 MDF raw, without laminate Melamine 	 Natural essence veneer High pressure laminate (HPL)
Mechanization	• Tapping	
Applications	Wall coverings	• False ceiling
Accessories and complem	ents	
Edges	 Edges and initial or end profiles Joint cover 	
Fixing systems	 Ceiling: standard system T24 visible or hidden with swivel clip. Wall: support structure in omega-shaped metal profiles, revolving fixing clips, initial and final metal profiles and profile joining system. 	



Acoustic Blade Model: AB3

Description

Format

16 mm MDF acoustic slat with grooves on viewed face and holes on the back side.



Wall and ceiling not inspectable
 2430 x 128 mm

Contact Acoustic Lab for other materials or thicknesses.

 Surface finish
 • MDF raw, without laminate

 Mechanization
 • Tapping

 Applications
 • Wall coverings

Accessories and cor	nplements
Edges	 Edges and initial or end profiles Joint cover
Fixing systems	 Ceiling: standard system T24 visible or hidden with swivel clip. Wall: support structure in omega-shaped metal profiles, revolving fixing clips, initial and final metal profiles and profile joining system.

Ceiling inspectable

1200 x 320 mm

Natural essence veneerHigh pressure laminate (HPL)

False ceiling



AB1

CLIA		TED	юті	00
спа	RAL	IER	1311	65

Groove	4
Hole diameter	10 mm
Pitch of hole	16 mm
Perforated area	7,6 %
Thickness	16 mm

AB2

CHARACTERISTICS

Groove	2
Hole diameter	10 mm
Pitch of hole	16 mm
Perforated area	7,7 %
Thickness	16 mm

SIZES

SIZES



28

16

ACOUSTIC



ACOUSTIC



AB3

CHARACTERISTICS		
3		
10 mm		
16 mm		
11,5 %		
16 mm		



ACOUSTIC



AB4

CHARACTERISTICS	
Groove	2
Hole diameter	10 mm
Pitch of hole	32 mm
Perforated area	5,2 %
Thickness	16 mm



32

ACOUSTIC



AB5

CHARACTERISTICS		
Groove	3	
Hole diameter	8 mr	
Pitch of hole	32 mm	
Perforated area	5,4 %	
Thickness	16 mm	

SIZES



0,1

125 Hz 250 Hz 500 Hz 1000 Hz 2000 Hz 4000 Hz PLENUM 50 mm PLENUM 200 mm

ACOUSTIC

ACOUSTIC

1,0 0,9 0,8 0,7 0,6 0,5 0,4 0,3 0,2





2

14

3 n

AB2_32

CHARACTE	RISTICS
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Groove	2	
Hole diameter	10 mm	
Pitch of hole	32 mm	
Perforated area	3,9 %	
Thickness	16 mm	

SIZES

Wood veneer





Dark beech



American walnut



Light beech



European oak



Wenge



Horizontal natural Bamboo horizontal natural



Bamboo vertical caramel





CIR.R

Cherry





Melamine





Acoustic Lab