



Wood Solution

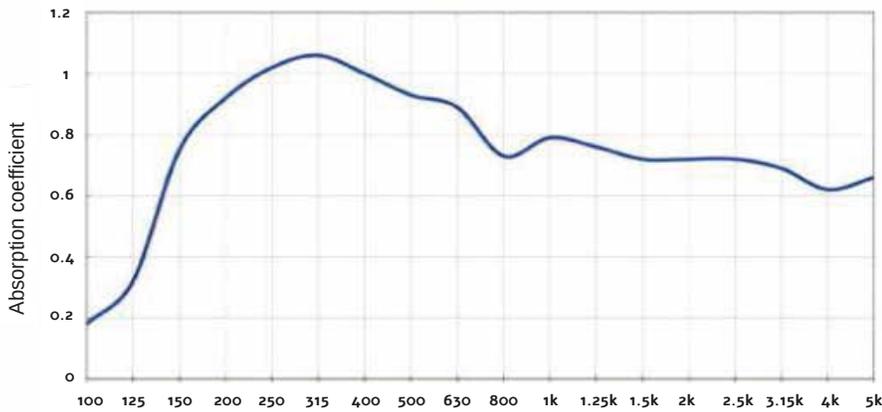
13/3 WOODEN

PANELS: 13/3 is powerful union between architecture and acoustical performance. Using 3mm grooves in a high recycled content. They are made of MDF and their finished can be melamine, natural Wood Veneer, Laminate, Paint, etc.

SIZE: 2440 X 133MM, 2240 X 197MM (alternate lengths and widths are available),
 Standard thickness: 12/15/18MM.
 Patterns: 13/3; 14/2; 28/4; 59/5; 6/2; 5/3; 4/3.



Performance Data



Frequency(HZ)	100	125	160	200	250	315	400	500	600	800	1000	1250	1600	2000	2500	3150	4000	5000	NRC
Sound absorption coefficient (a)	0.18	0.32	0.75	0.92	1.02	1.06	1	0.93	0.89	0.73	0.79	0.76	0.72	0.72	0.72	0.69	0.62	0.66	0.85

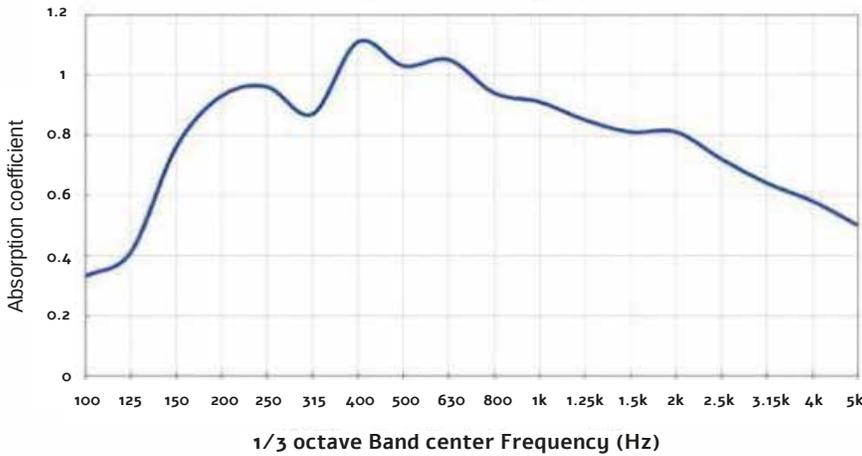
14/2 WOODEN

PANELS: 14/2 is powerful union between architecture and acoustical performance. Using 3mm grooves in a high recycled content. They are made of MDF and their finished can be melamine, natural Wood Veneer, Laminate, Paint, etc.

SIZE: 2440 X 133MM, 2240 X 197MM , Standard thickness: 12/15/18MM.
Patterns: 13/3; 14/2; 28/4; 59/5; 6/2; 5/3; 4/3.



Performance Data



Frequency(HZ)	100	125	160	200	250	315	400	500	600	800	1000	1250	1600	2000	2500	3150	4000	5000	NRC
Sound absorption coefficient (a)	0.33	0.41	0.76	0.93	0.96	0.87	1.1	1.03	1.05	0.94	0.91	0.85	0.81	0.81	0.72	0.64	0.58	0.5	0.90



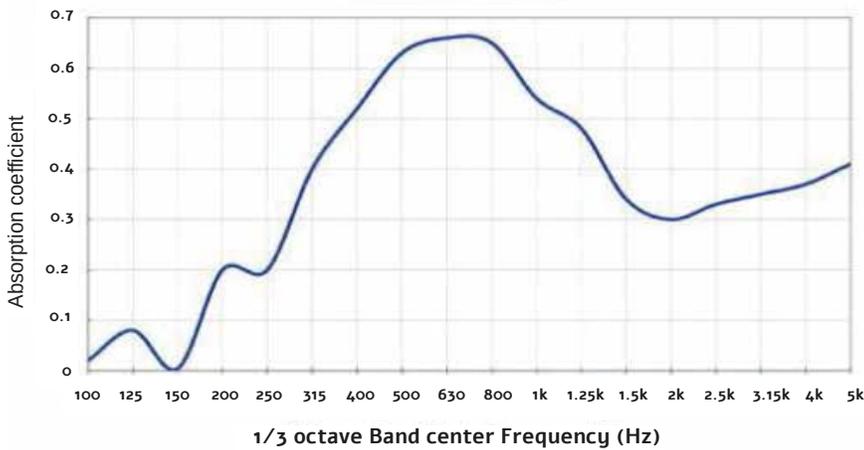
28/4 WOODEN

PANELS: 28/4 is powerful union between architecture and acoustical performance. Using 3mm grooves in a high recycled content. They are made of MDF and their finished can be melamine, natural Wood Veneer, Laminate, Paint, etc.

SIZE: 2440 X 133MM, 2240 X 197MM (alternate lengths and widths are available),
 Standard thickness: 12/15/18MM.
 Patterns: 13/3; 14/2; 28/4; 59/5; 6/2; 5/3; 4/3.



Performance Data



Frequency(HZ)	100	125	160	200	250	315	400	500	600	800	1000	1250	1600	2000	2500	3150	4000	5000	NRC
Sound absorption coefficient (a)	0.02	0.08	0.04	0.20	0.20	0.40	0.52	0.63	0.66	0.65	0.54	0.48	0.34	0.3	0.33	0.35	0.37	0.41	0.40

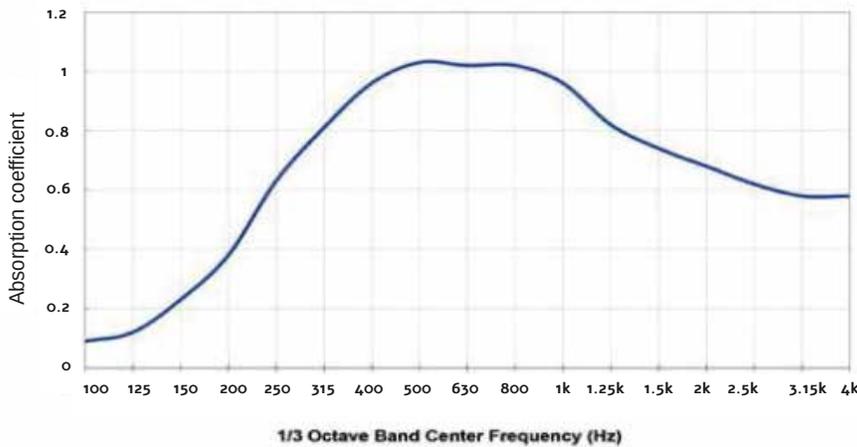
6/2 WOODEN

PANELS: 6/2 is powerful union between architecture and acoustical performance. Using 3mm grooves in a high recycled content. They are made of MDF and their finished can be melamine, natural Wood Veneer, Laminate, Paint, etc.

SIZE: 2440 X 133MM, 2240 X 197MM (alternate lengths and widths are available),
Standard thickness: 12/15/18MM.
Patterns: 13/3; 14/2; 28/4; 59/5; 6/2; 5/3; 4/3.



Performance Data



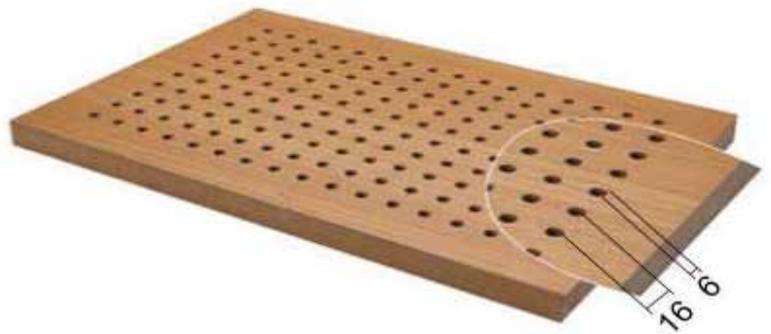
Frequency(HZ)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	NRC
Sound absorption coefficient (a)	0.09	0.12	0.23	0.38	0.63	0.81	0.96	1.03	1.02	1.02	0.96	0.82	0.74	0.68	0.62	0.58	0.58	0.80



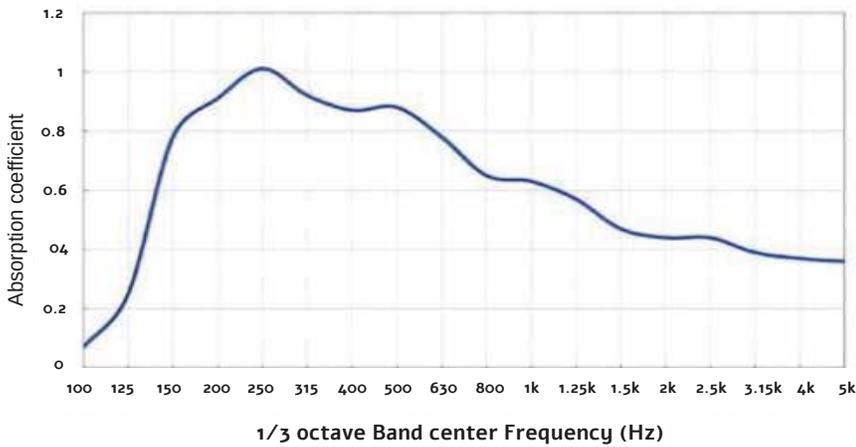
16/16/2

WOODEN PANEL: 16/16/6 panel is a simple union between perforations in a high recycled content. 16/16/6 focuses the sound absorption spectrum in the mid-range frequencies while maintaining some of the higher frequencies. They are made of MDF and their finished can be melamine, natural Wood Veneer, Laminate, Paint, etc.

SIZE: 600x 600mm, 1200 x 600mm (alternate lengths and widths are available), Standard thickness: 12/15/18MM.
 Patterns: 32/32/8; 32/32/6; 16/16/6; 16/16/3; 8/8/3; 8/8/1; 10/10/1.



Performance Data

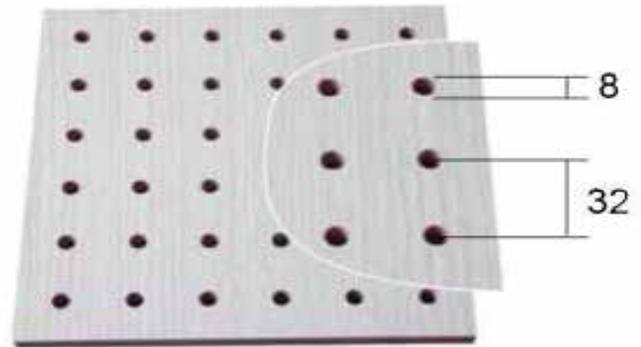


Frequency(HZ)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	NRC
Sound absorption coefficient (a)	0.07	0.25	0.78	0.91	1.01	0.92	0.87	0.88	0.78	0.65	0.63	0.57	0.47	0.44	0.44	0.39	0.37	0.36	0.75

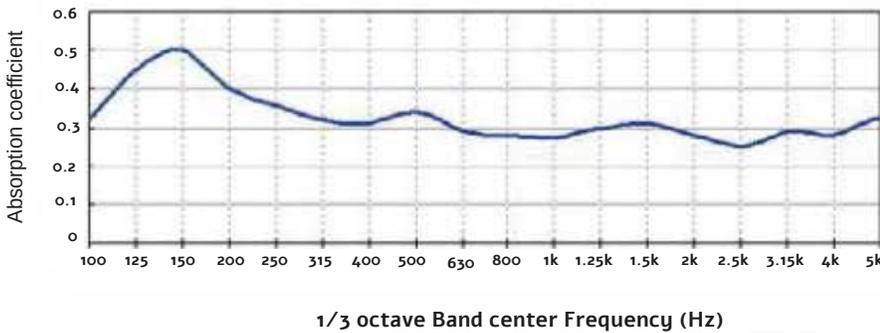
32/32/8

WOODEN PANEL: 32/32/8 panel is a simple union between perforations in a high recycled content. 32/32/8 focuses the sound absorption spectrum in the mid-range frequencies while maintaining some of the higher frequencies. They are made of MDF and their finished can be melamine, natural Wood Veneer, Laminate, Paint, etc.

SIZE: 600x 600mm, 1200 x 600mm (alternate lengths and widths are available), Standard thickness: 12/15/18MM.
 Patterns: 32/32/8; 32/32/6; 16/16/6; 16/16/3; 8/8/3; 8/8/1; 10/10/1.



Performance Data



Frequency(HZ)	100	125	160	200	250	315	400	500	600	800	1000	1250	1600	2000	2500	3150	4000	5000	NRC
Sound absorption coefficient (a)	0.32	0.45	0.50	0.40	0.36	0.32	0.31	0.34	0.29	0.28	0.27	0.30	0.31	0.28	0.25	0.29	0.28	0.33	0.30

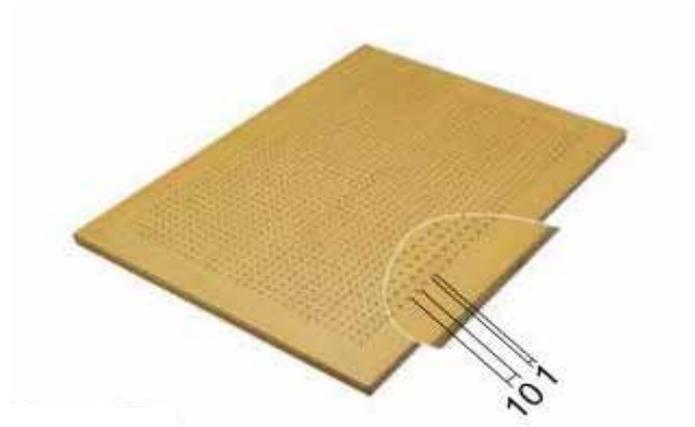
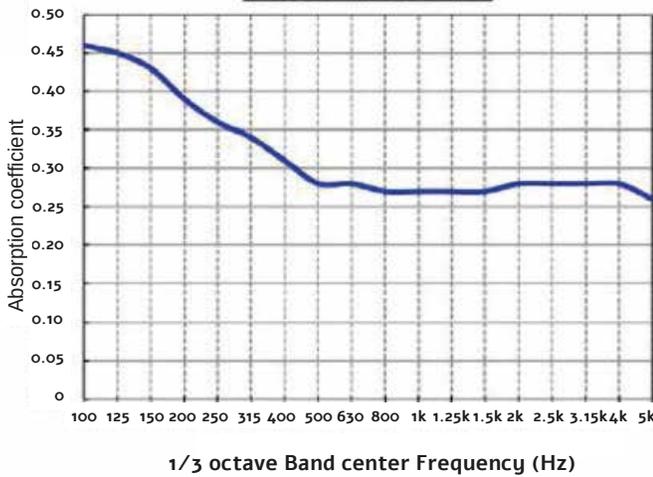


10/10/1

WOODEN PANEL: 10/10/1 panel is a simple union between perforations in a high recycled content. 10/10/1 focuses the sound absorption spectrum in the mid-range frequencies while maintaining some of the higher frequencies. They are made of MDF and their finished can be melamine, natural Wood Veneer, Laminate, Paint, etc.

SIZE: 600x 600mm, 1200 x 600mm (alternate lengths and widths are available), Standard thickness: 12/15/18MM.
 Patterns: 32/32/8; 32/32/6; 16/16/6; 16/16/3; 8/8/3; 8/8/1; 10/10/1.

Performance Data



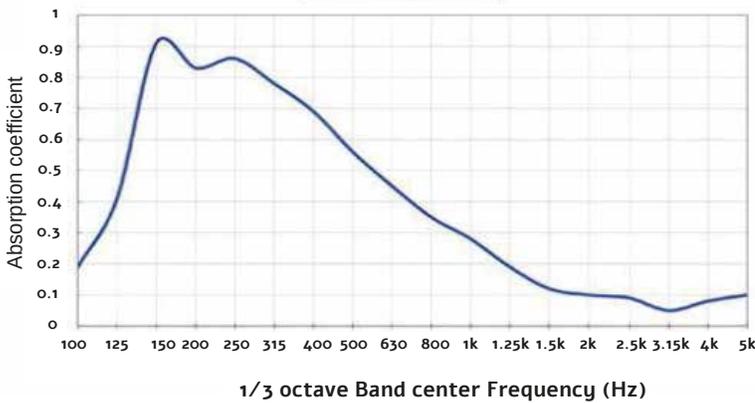
Frequency(HZ)	100	125	160	200	250	315	400	500	600	800	1000	1250	1600	2000	2500	3150	4000	5000	NRC
Sound absorption coefficient (a)	0.39	0.40	0.42	0.44	0.47	0.48	0.49	0.50	0.53	0.55	0.58	0.51	0.46	0.42	0.37	0.32	0.28	0.24	0.50

8/8/1 WOODEN

PANEL: 8/8/1 panel is a simple union between perforations in a high recycled content. 16/16/6 focuses the sound absorption spectrum in the mid-range frequencies while maintaining some of the higher frequencies. They are made of MDF and their finished can be melamine, natural Wood Veneer, Laminate, Paint, etc.

SIZE: 600x 600mm, 1200 x 600mm (alternate lengths and widths are available), Standard thickness: 12/15/18MM.
Patterns: 32/32/8; 32/32/6; 16/16/6; 16/16/3; 8/8/3; 8/8/1; 10/10/1.

Performance Data

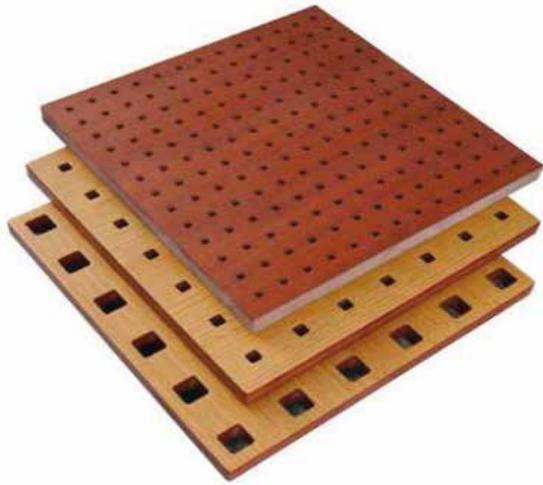


Frequency(HZ)	100	125	160	200	250	315	400	500	600	800	1000	1250	1600	2000	2500	3150	4000	5000	NRC
Sound absorption coefficient (a)	0.19	0.41	0.91	0.83	0.86	0.78	0.69	0.56	0.45	0.35	0.28	0.19	0.12	0.10	0.09	0.05	0.08	0.10	0.45



PATTERN WOODEN PANEL:

Wooden perforate acoustic panel in kind of wooden acoustic panels with holes and front and back side. The holes can be drilled from the surface directly to the back are big. The diameters of the holes on two sides are different. It is widely used walls and ceilings.



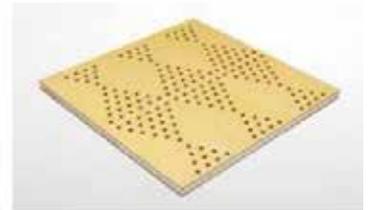
Square Holes



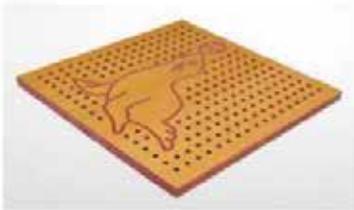
Group Square Holes



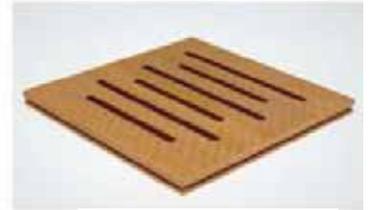
U Pattern



Rhombus Pattern



Animal shapes



Long Slots



**SOUND
DIFFUSER:**

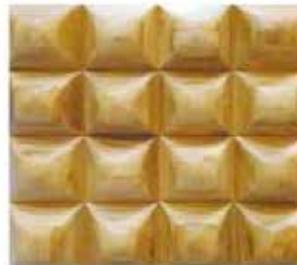
Sound diffusion is the efficacy by which sound energy is spread evenly in a given environment. A perfectly diffusive sound space has certain key acoustic properties which are the same anywhere in the space. A non-diffuse sound space would have considerably different reverberation time as the listener moved around the room. Acoustic diffuser can not only as sound diffusion, but also remove coloration and echoes, sound diffusers are often used in combination with other materials such as sound absorbers, bass traps, ceiling clouds or other results of the application. They are often used in music training rooms, recording rooms, churches, multi-functional rooms, theatres, concerts halls and so on.



1D QRD Diffuser
600x600mm



2D QRD Diffuser
600x600mm



Circle Pyramid Diffuser
600x600mm



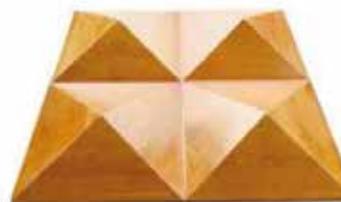
Triangular oblique Pyramid Diffuser
600x600mm



Mosaic Diffuser
600x600mm



Conical Diffuser
600x600mm



Pyramid Diffuser
600x600mm



Polyhedral Cone Diffuser
600x600mm



**WOODEN DECO-
RATIVE PANEL:**

If no perforation is made on the panel, wooden perforated acoustic panel becomes wooden decorative panel with no sound absorption effect. Wooden decorative panel is widely used as wall panel in hotels, exhibition halls, offices, traffic stations, hospitals, etc.

SIZE: 600x 600mm, 1200 x 1200, 2440 x 1200mm. Standard thickness: 12/15/18MM.



WOOD WOOL

PANEL: Wood wool acoustic panel is made of wood fiber, cement and minerals under high temperature and high pressure. There are countless pores inside of the panel, which can absorb noise. It is not only with great and decoration properties, but also is environmental friendly and human friendly, different painted colors are available by request.

Specification:

Standard Size: 1220mmx2440mm, 1200mmx600mm, 600mmx600mm, etc

Standard thickness: 15mm/20mm/25mm

Fire retardant: B1

Density (kg/m³): 300-330

Thickness Expansion (Immersion in water 24hrs) < 2%

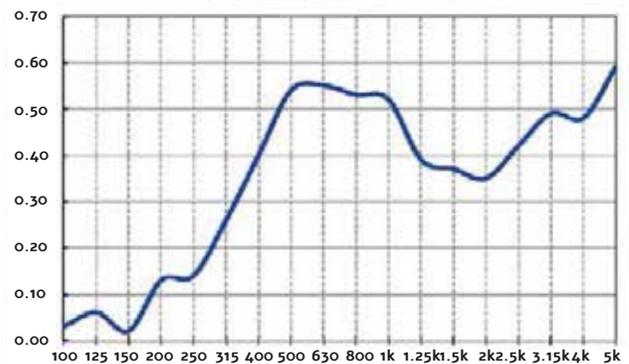
Thermal conductivity 0.108 kcal/m x r x °C
Thermal conductivity 0.108 kcal/m x r x °C

Moisture proof; can be used in humidity up to 90%

Heat resistance: The product can be used in temperature up to 200 degree.

Impact resistance: with good property of impact resistance, can be used in all kinds of ball room and gymnasium.

Performance Data



Frequency(HZ)	100	125	160	200	250	315	400	500	600	800	1000	1250	1600	2000	2500	3150	4000	5000	NRC
Sound absorption coefficient (a)	0.03	0.06	0.02	0.13	0.14	0.26	0.40	0.54	0.55	0.53	0.52	0.39	0.37	0.35	0.42	0.49	0.48	0.59	0.40



SOUNDPROOF

DOOR:

With the continues improvement of people`s living standards, the acoustic requirements for living environment are getting higher and higher. Due to the gaps within the door itself, it is a weak link in the architectural acoustic structure. In order to provide more comfortable and privacy space, most of the hotels and family rooms are now using soundproof doors. Soundproof doors are perfect solution for all kinds of noise pollution and sound quality control problems, and always in the industry`s leading position.

All kinds of standard and non-standard soundproof doors are rated for noise level in the factory. The noise door kit includes door, door frame, seal, decorative accessories and hardware accessories (According to customer requirements). You are rest assured to order and use.

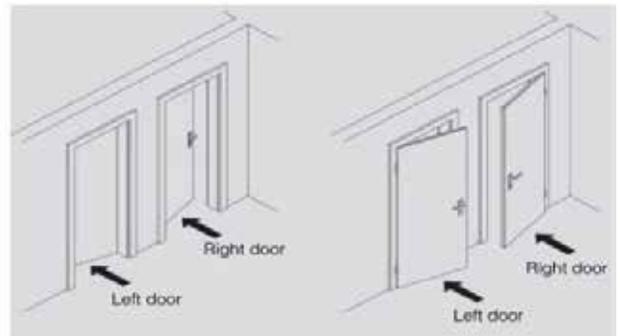
Product Specifications:

Door frame specifications: 910 x 2100mm, 1500x 2100mm

Door thickness: 45-90mm

Acoustic performance: self-drop seal for bottom of the door, the strip for door side, door locks door closers (optional)

Finishes: natural veneer, technology veneer, HPL, environmental protection paint, powder coating, etc.



Application:

Industry: generator room, refrigeration room, pump room and so on.

Business: recording studio, piano practicing room, KTV room, conference room and so on.

Family: home theater, HIFI audio-visual room, study room, piano room and so on.



ART ACOUSTIC

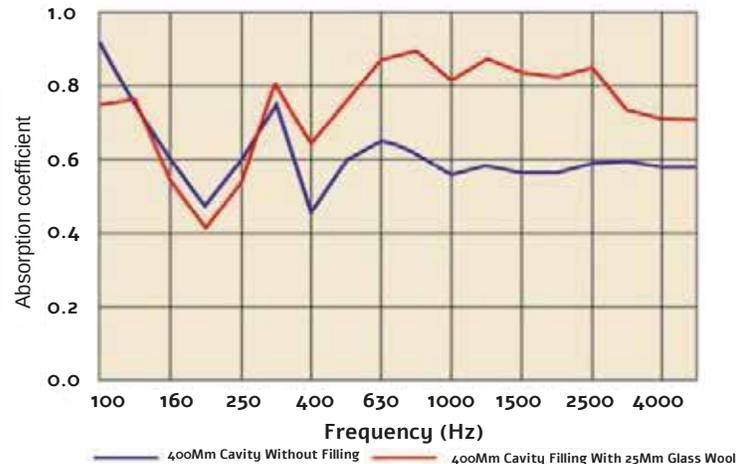
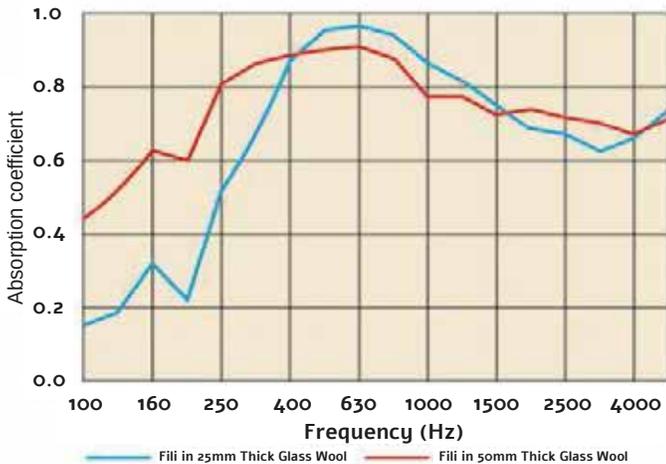
PANEL: In the advent of never and refined technology, interior designs look beyond traditional designs, and look toward personalization in sound-absorbing panels. Art Panels incorporates innovation and designs in traditional sound-absorbing panels. Each Art Panel is manufactured with precision, carefully processed and selected with a combination of technology and craftsmanship; best for personalized.

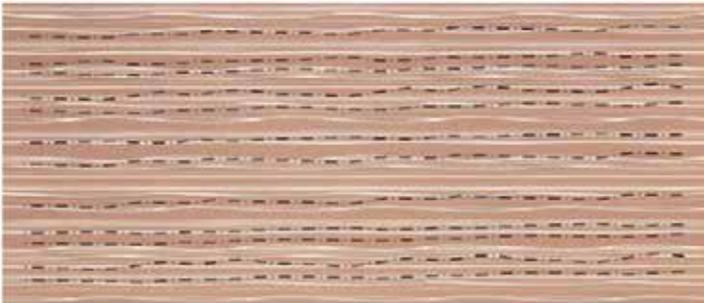
Features:

- Unique specifications
- Personalized customization
- Effectively shorten and adjust the indoor Reverberation time
- Eliminate reduce the resonant frequency on the sound absorption coefficient

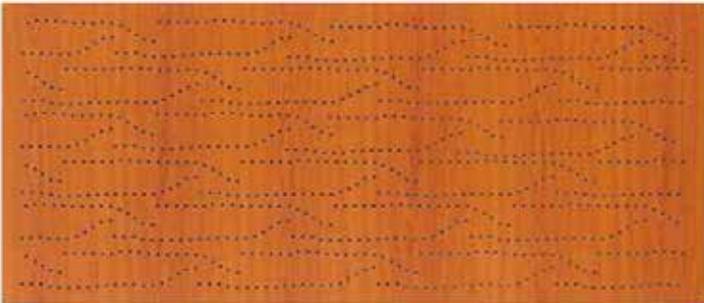
Specification:

- Finish: Melamine Wood Veneer HPL Painting
- Core Material: Eco-friendly MDF, Fireproof MDF, Solid Wood, Bamboo Board
- Size: 1215x300mm
- Thickness: 12/15/18mm
- Formaldehyde Emission: Meet class E1/Eo,GB18580

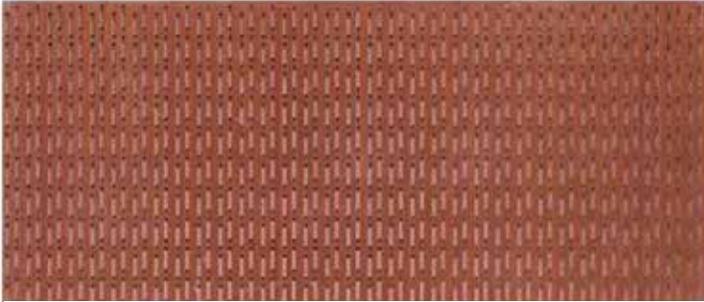




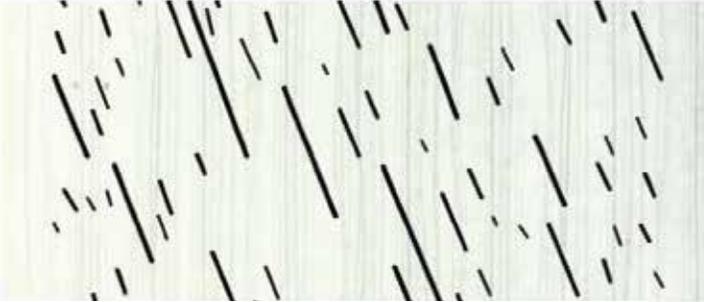
ADP 001



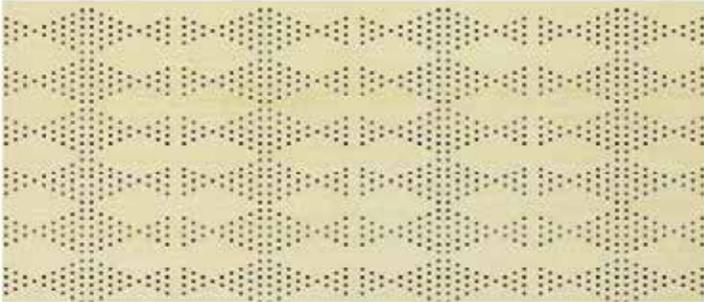
ADP 002



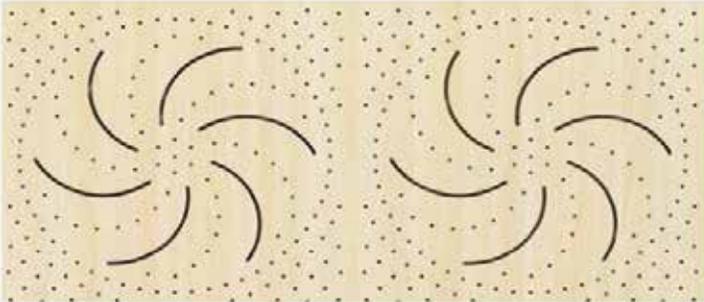
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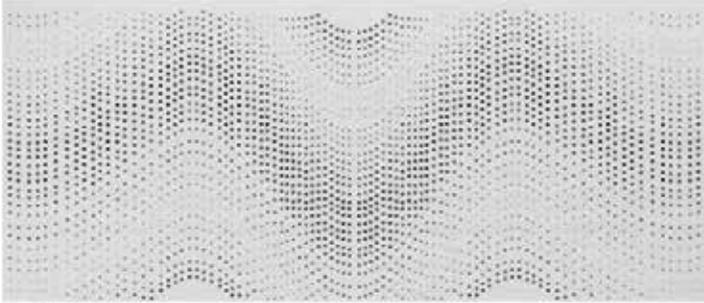
ADP 002



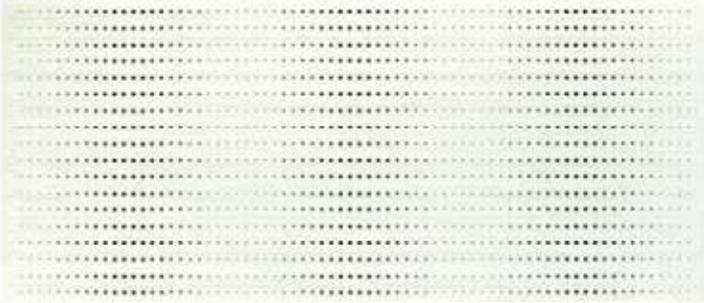
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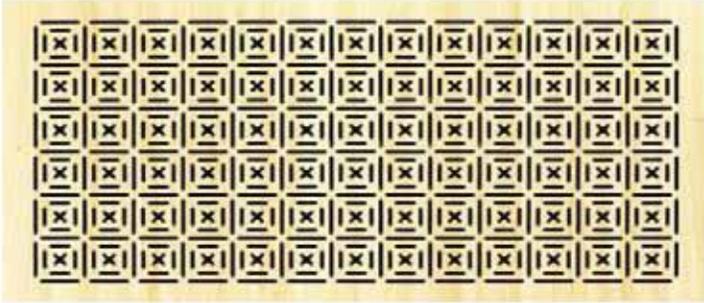
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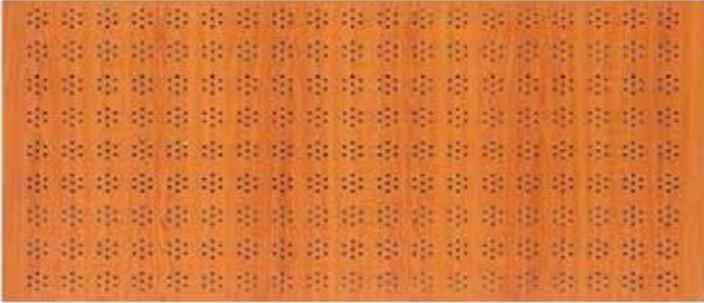
ADP 005



ADP 006



ADP 007



ADP 008



Wood **Solution**

www.metallicsolution.com