ANYWAY FLOOR

ACOUSTIC WALL PANEL

Beautiful-Quiet-Comfortable





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ACOUSTIC SLAT PANEL

PRODUCT INTRODUCTION

Wood grating board is a kind of decorative material made of polyester fiber as raw material by hot pressing, coupled with wood grain decorative strip with sound absorption function. The backplane is made of polyester fiber hot pressed by special technology and made of cocoon cotton shape, which achieves density diversity and has certain ventilation effect. It has become an excellent decoration product in the acoustic insulation material in the decoration industry, and its acoustic absorption coefficient reaches above 0.9 in the noise range of 125~4000HZ.According to different needs, it can shorten the adjustment of reverberation time and remove sound impurities. Improve the acoustics, improve the clarity of the language;The product has sound absorption, flame retardant, insulation, heat insulation,moisture-proof, mildew proof, easy to cut, no harm to the body and other remarkable characteristics, is the ideal choice for home decoration.

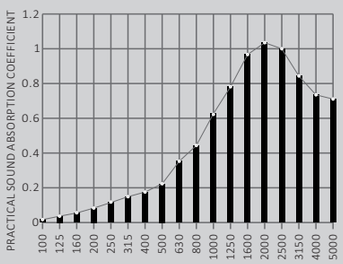
PRODUCT SPECIFICATIONS

Model:	60% Polyester; 30%MDF; 10%Veneer
Surface:	Melamine/ Narnished wood veneer/ Painting/ HPL
Fire-proof level:	B1
Environmental grade:	E0
NRC:	0.8-1.1
Test:	Environmental protection, sound absorption, flame retardant

SOUND ABSORPTION COEFFCIENT FOR ACOUSTIC PANELS

Different installation methods can present different sound absorption effects Laboratory measurements of sound absorption coeffcient were carried out in a reverberation room according to the test method of ENISO 354:2003.

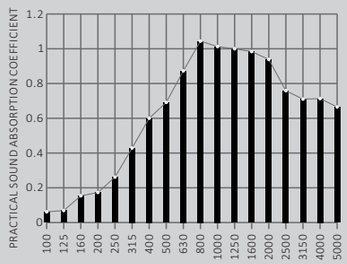
Panel mounted directly to the wall



FREQUENCY,F(Hz) aw=0.30

As seen in the graph, the 0.82” panel, mounted directly to the wall, obtains an absorption coefficient of 0.3 (MH).

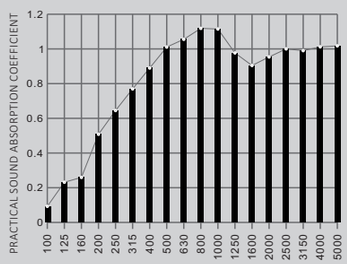
Panel mounted with 1.8” timber batons spacing and mineral wool insulation



FREQUENCY,F(Hz) aw=0.62

As seen in the graph, the 0.82” panel, mounted with 1.8”timber batons spacing and mineral wool insulation,obtains an absorption coefficient of 0.62 (MH).

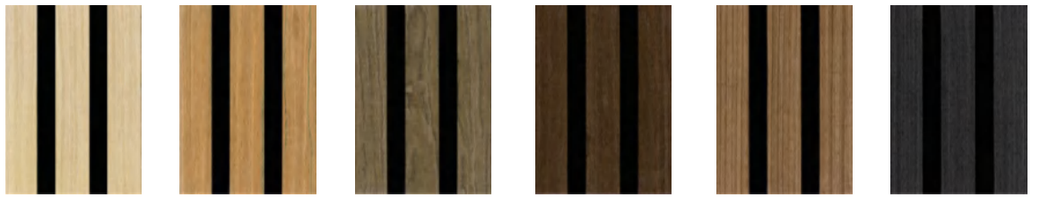
Panels mounted on 3.94" pitch light steel joists and filled mineral wool insulation



FREQUENCY,F(Hz) aw=0.90

As shown, the panels were mounted on light steel joists with 3.94” spacing from the wall and filled with mineral wool insulation for an absorption coefficient of 0.90 (MH).





2# Washed Oak | 3# Teak | 4# Walnut | 5# Smoked oak | 6# Teak | 7# Wenge



8# SInner Oak | 9# Black Oak | 10# Oak | 11# Black Walnut | 12# Teak | 13# classic oak



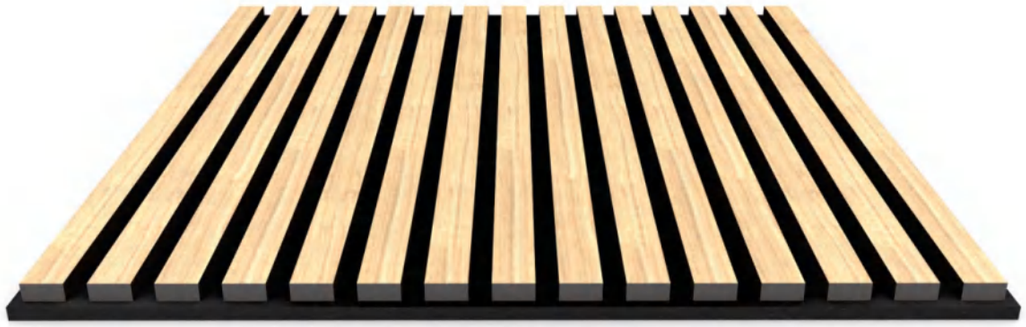
14# Light Oak | 15# Grey Oak | 16# Olied Oak | 17# Deep Dark | 18# -B2994 | 19# black oak



20# | 1699S | UV-Black | UV-Grey | UV-White

COLOR

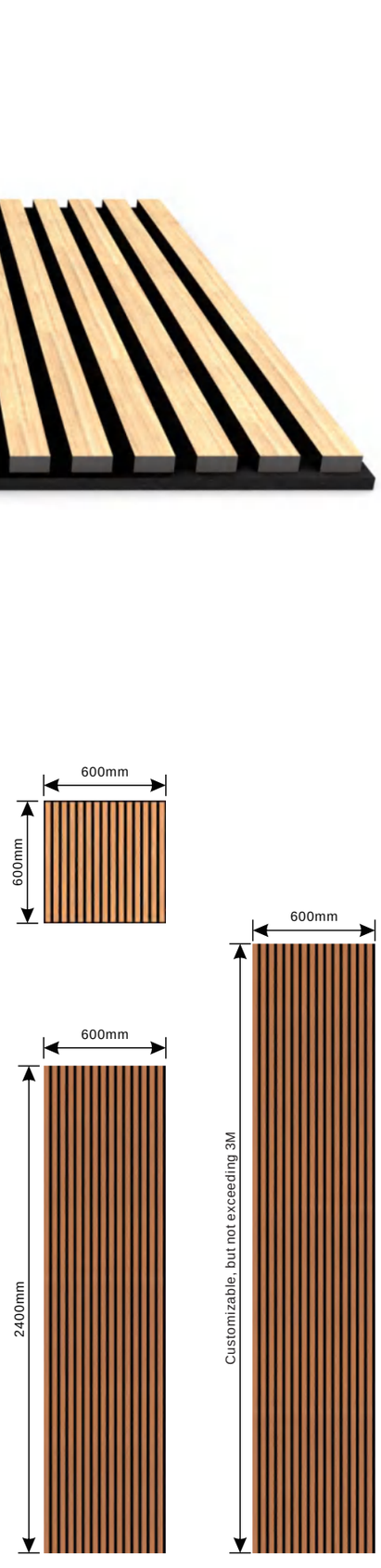
SINGLE WOOD VENEER ACOUSTIC SLAT PANEL



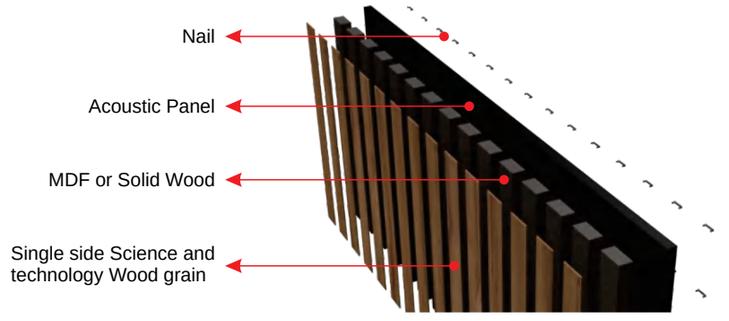


NORMAL SIZE

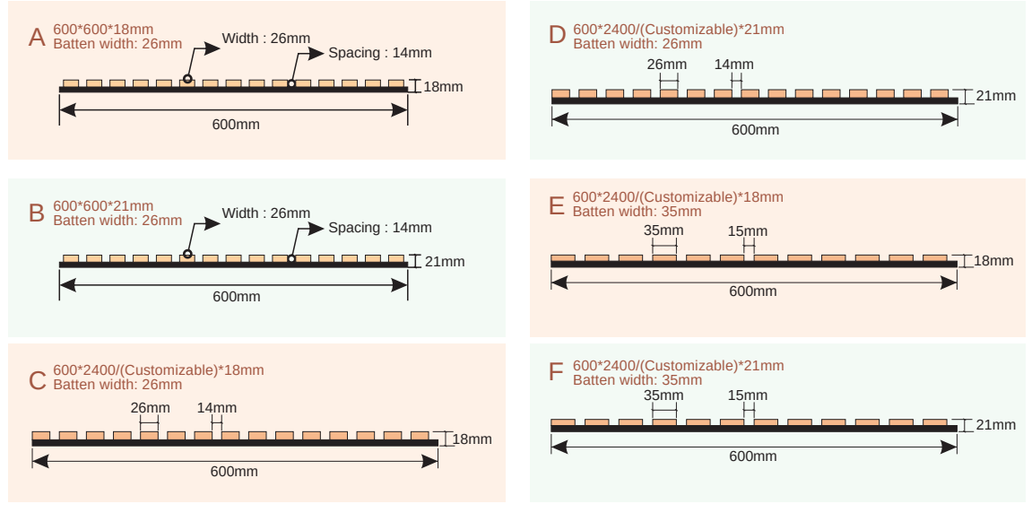




PRODUCT STRUCTURE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS

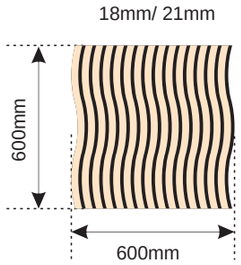


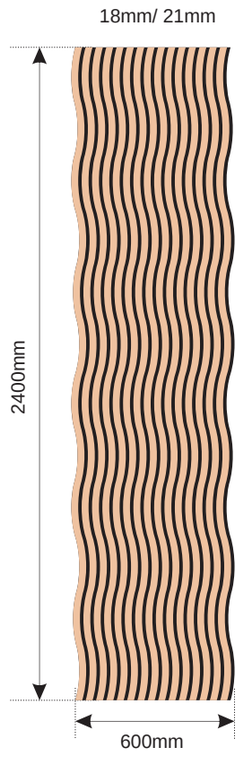
CURVE GRID PLATE

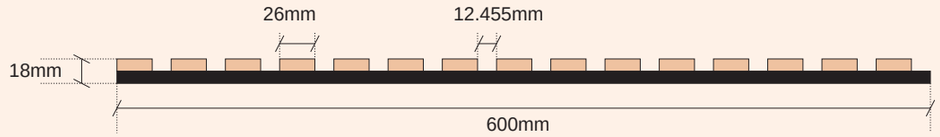
Polyester Fiber Decorative Slat Panel

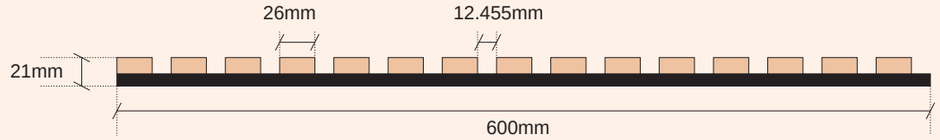
AWGF-BL
NORMAL SIZE













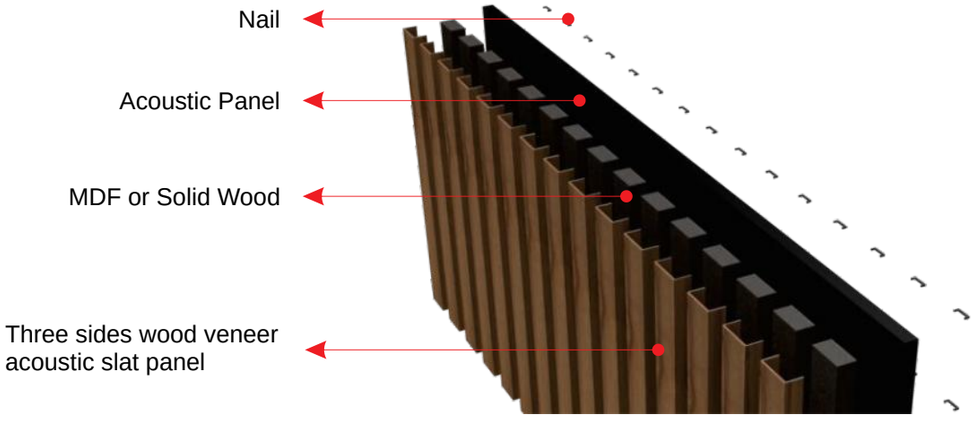
THREE SIDES WOOD VENEER ACOUSTIC SLAT PANEL

AWGF-3S

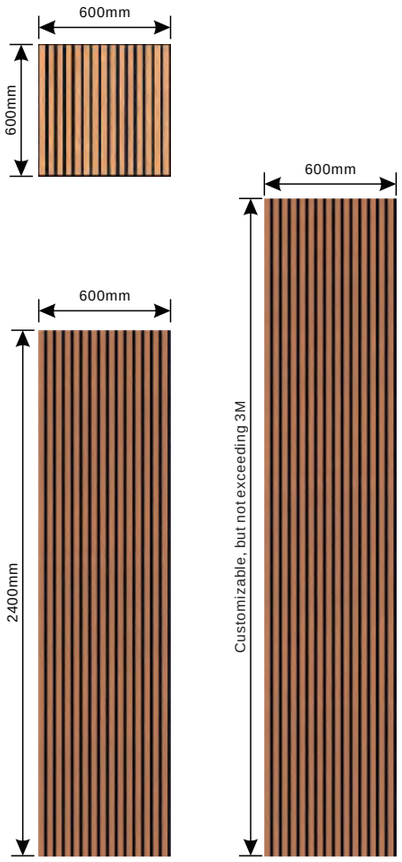




PRODUCT STRUCTURE

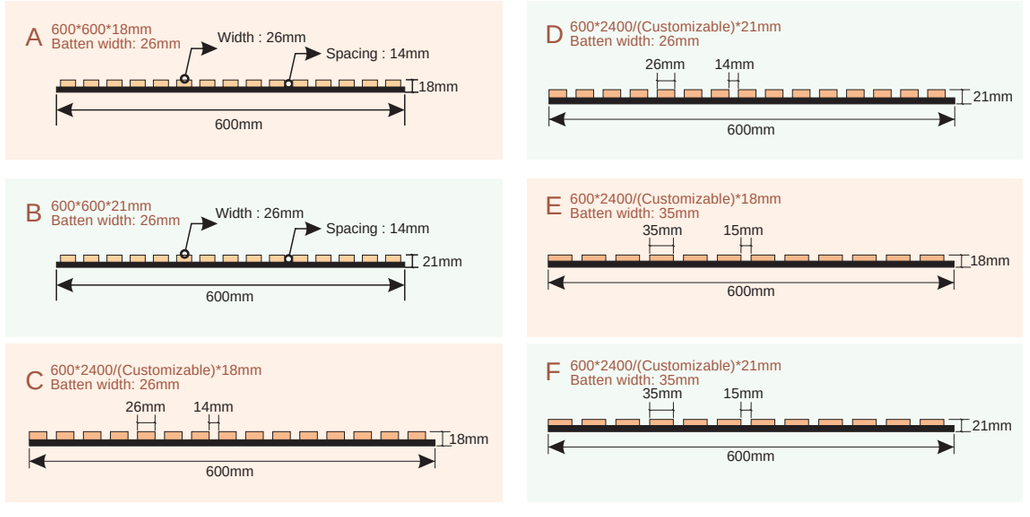


NORMAL SIZE





DETAILED DRAWINGS OF PRODUCT DIMENSIONS



ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

AWGF-RZ
NORMAL SIZE

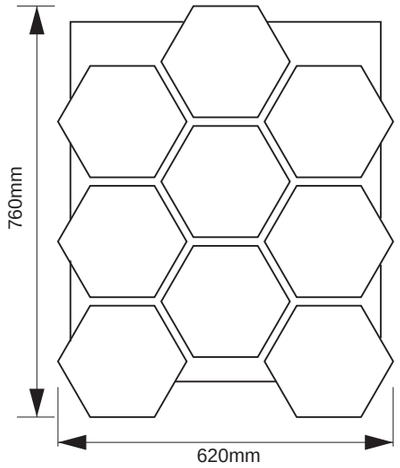


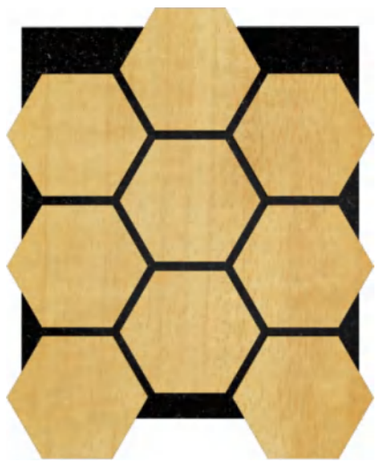


ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

AWGF-ZH6
NORMAL SIZE





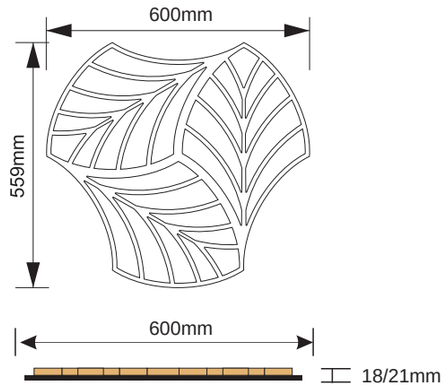




ACOUSTIC SLAT PANEL

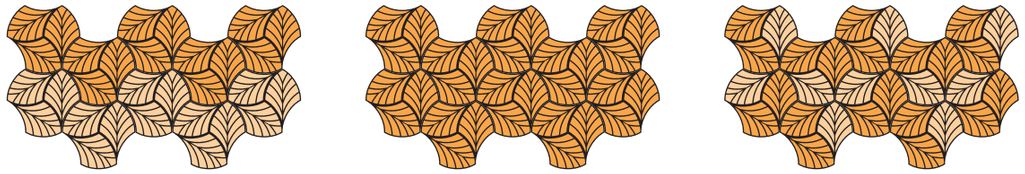
Polyester Fiber Decorative Slat Panel

AWGF-YZ
NORMAL SIZE











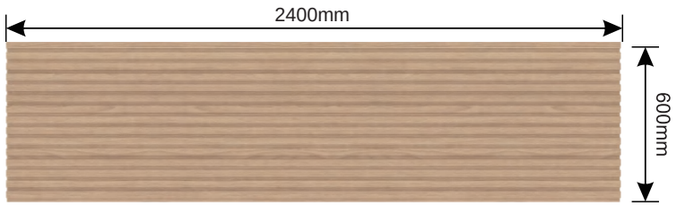
ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

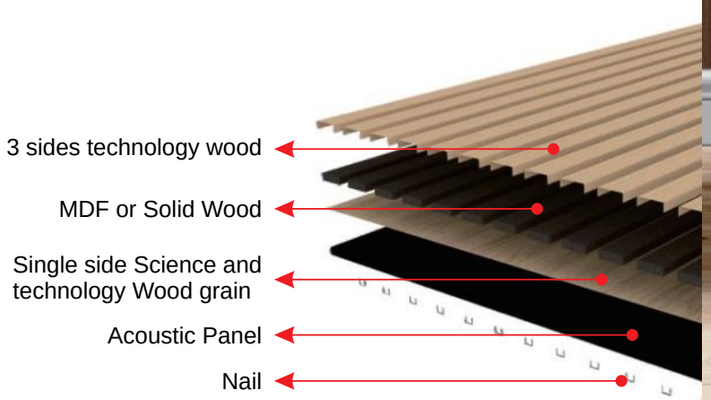
AWGF-TDS



NORMAL SIZE



PRODUCT STRUCTURE

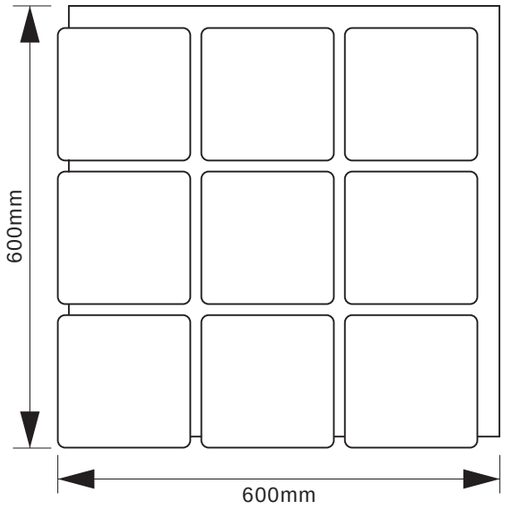




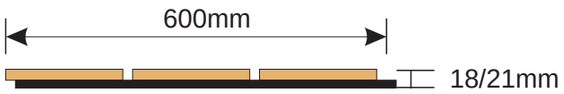
ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

AWGF-ZHZ
NORMAL SIZE



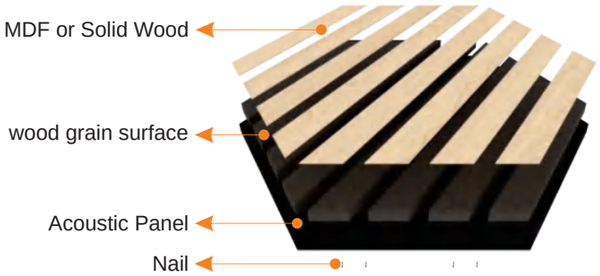




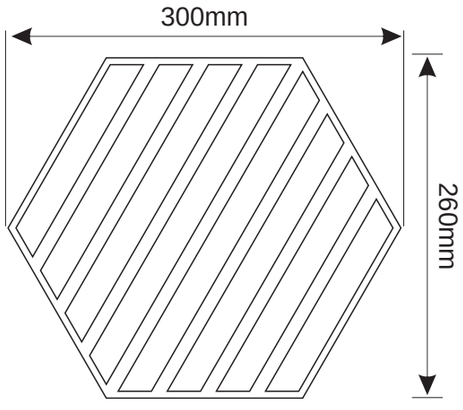
ACOUSTIC SLAT PANEL

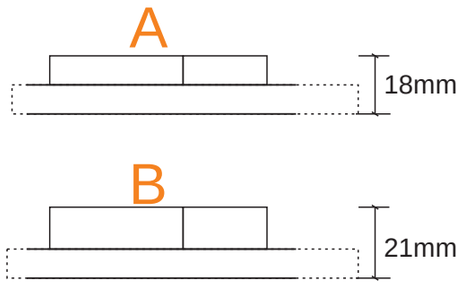
AWGF-6B





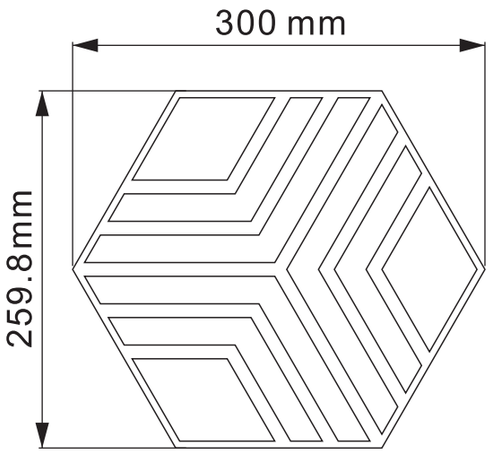
NORMAL SIZE



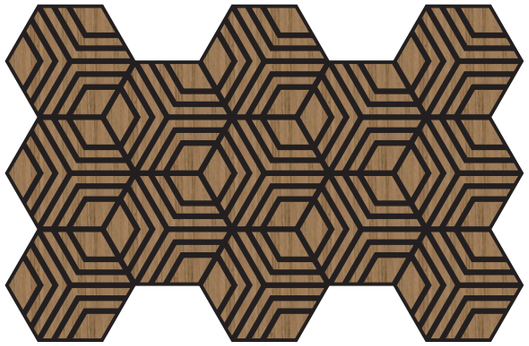




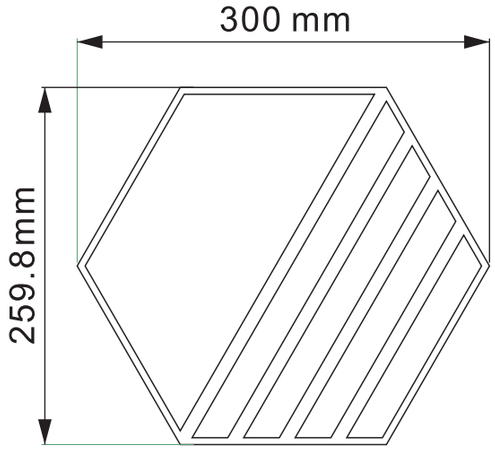
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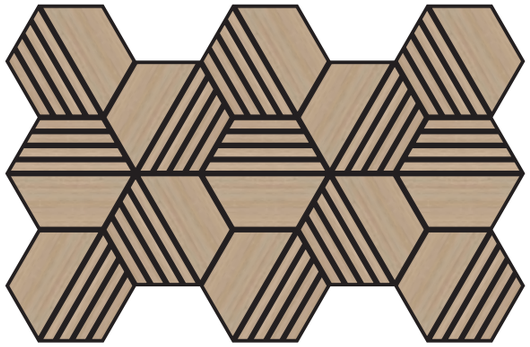




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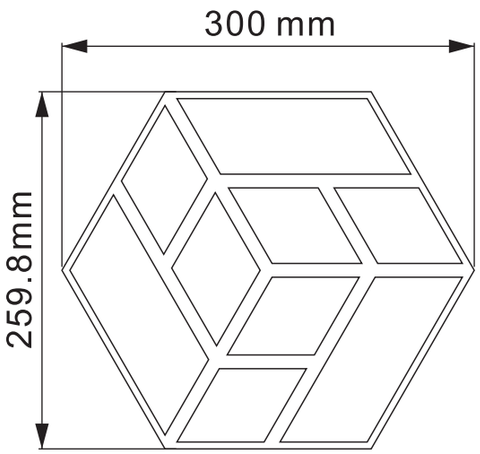




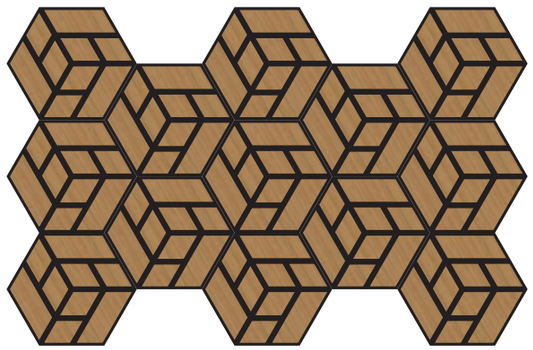




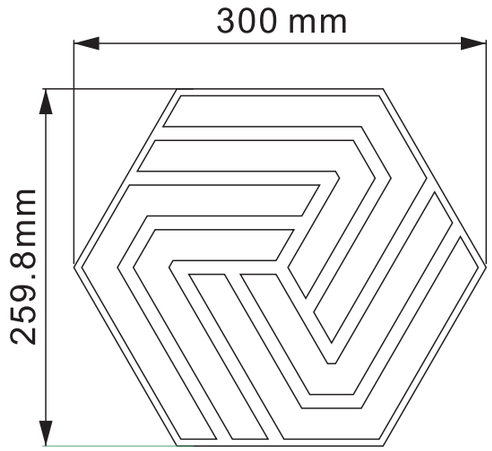
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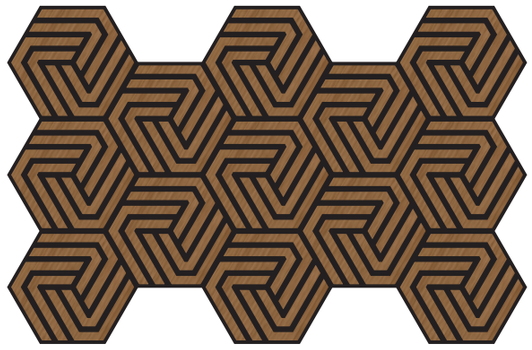




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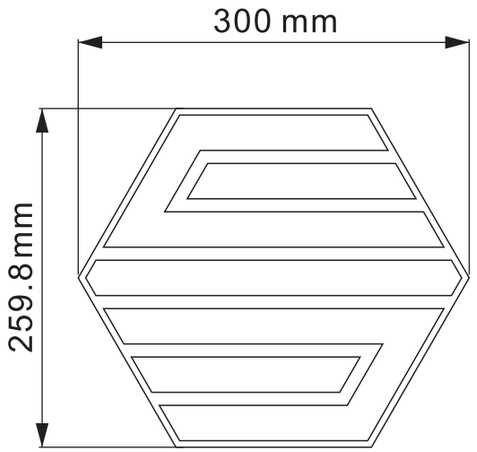




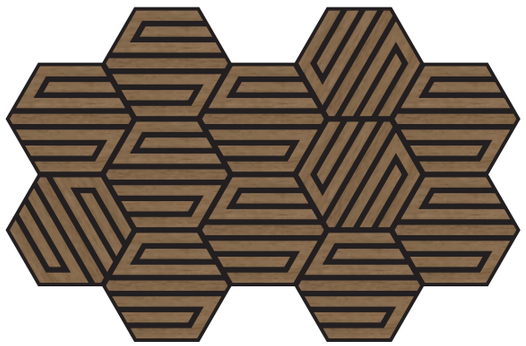




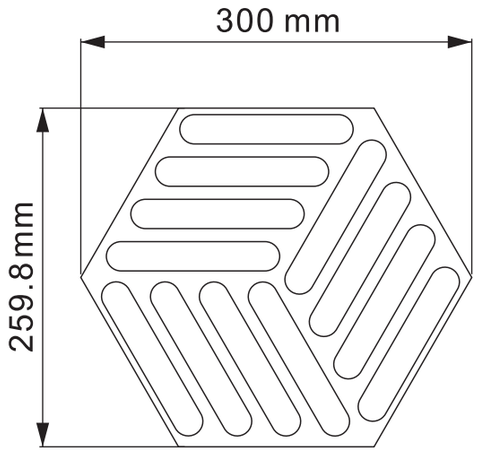
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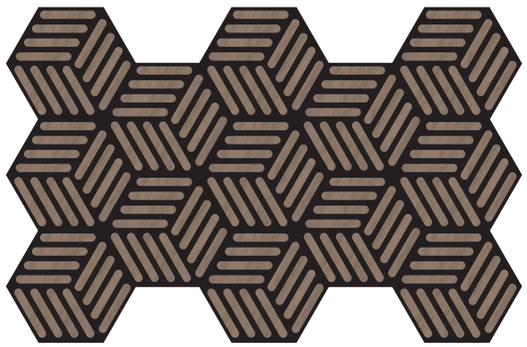




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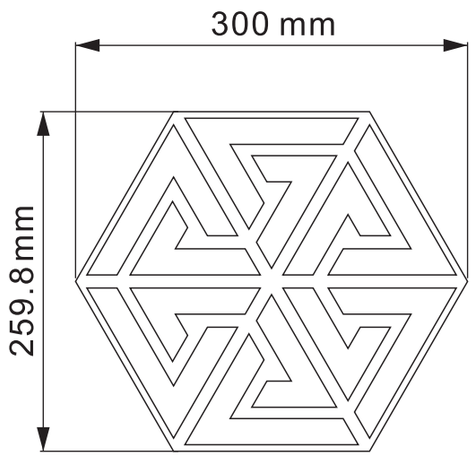




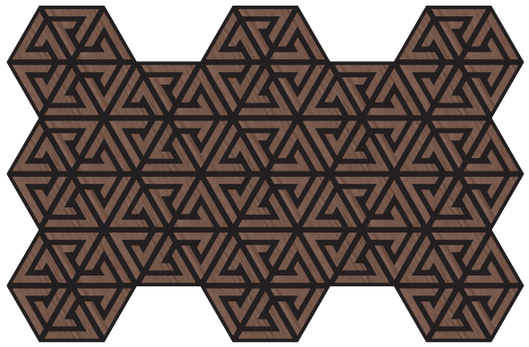




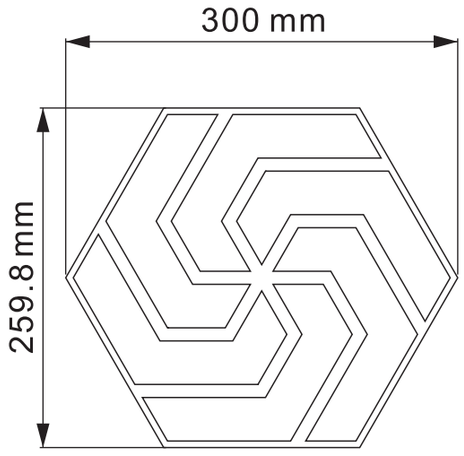
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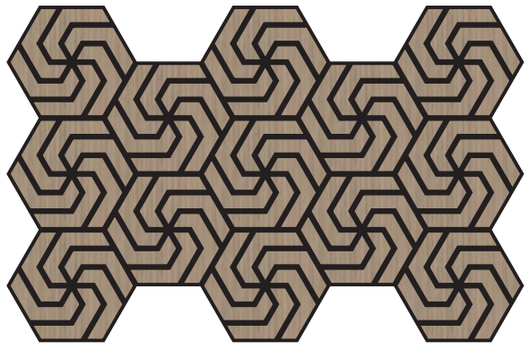




AWHG-6XL-10









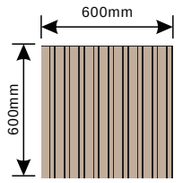


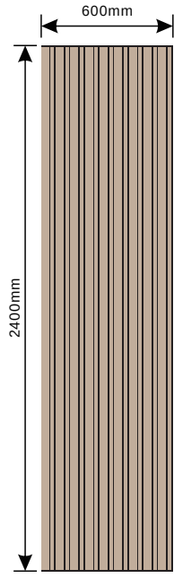
ACOUSTIC SLAT PANEL

AWGF-DX

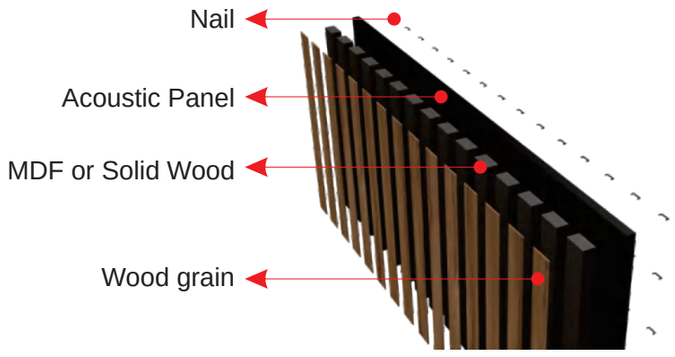


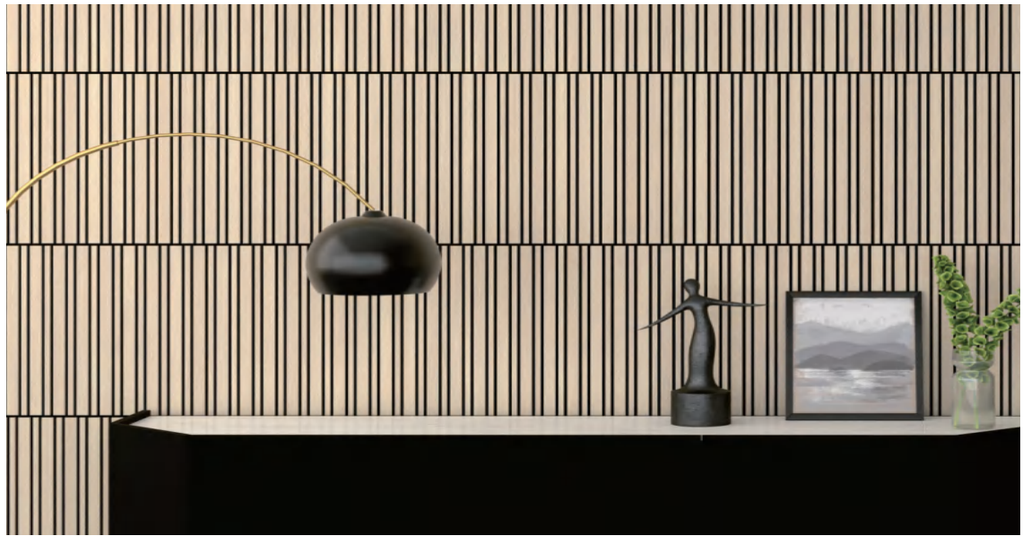
NORMAL SIZE





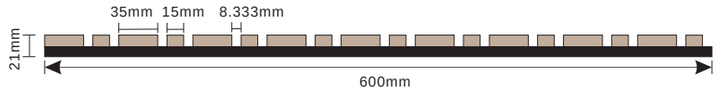
PRODUCT STRUCTURE



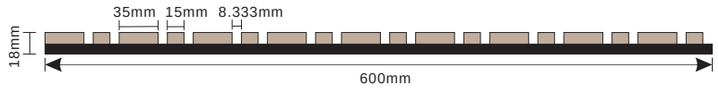


DETAILED DRAWINGS OF PRODUCT DIMENSIONS

A 600*600(2400)*21mm
Batten width: 35mm 15mm



B 600*600(2400)*18mm
Batten width: 35mm 15mm



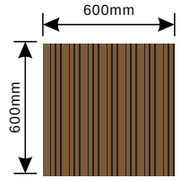


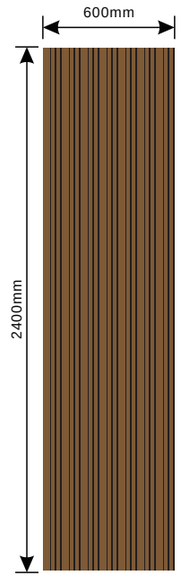
ACOUSTIC SLAT PANEL

AWGF-DXX

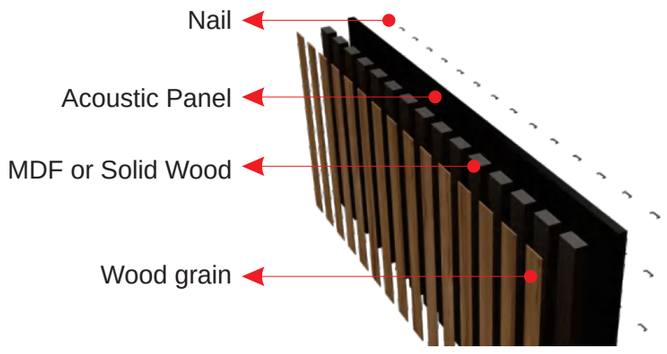


NORMAL SIZE





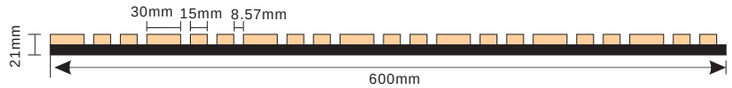
PRODUCT STRUCTURE



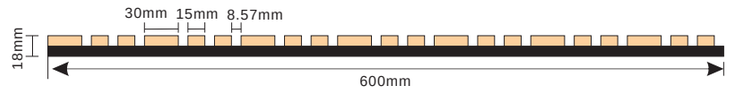


DETAILED DRAWINGS OF PRODUCT DIMENSIONS

A 600*600(2400)*21mm
Batten width: 30mm 15mm



B 600*600(2400)*18mm
Batten width: 30mm 15mm





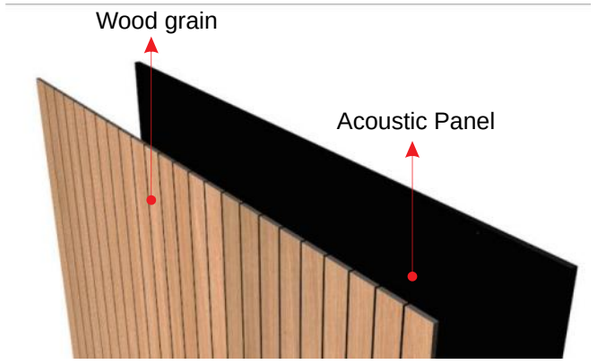
ROLLABLE SINGLE WOOD VENEER ACOUSTIC SLAT PANEL

AWGF-J

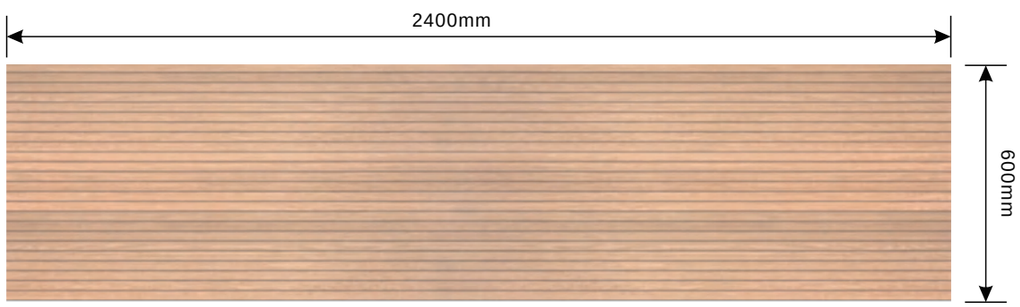




PRODUCT STRUCTURE

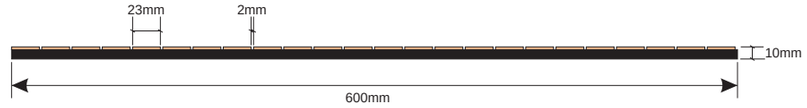


NORMAL SIZE

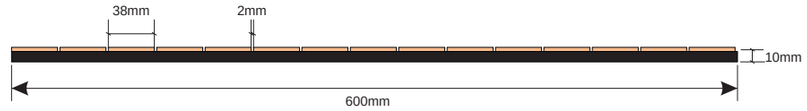


DETAILED DRAWINGS OF PRODUCT DIMENSIONS

A 600*2400*10mm
Batten width: 23mm



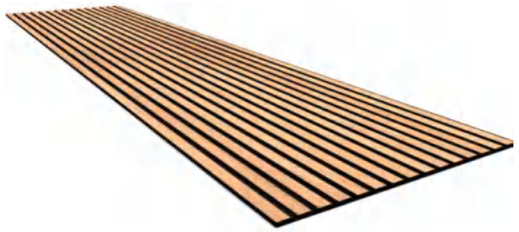
B 600*2400*10mm
Batten width: 38mm





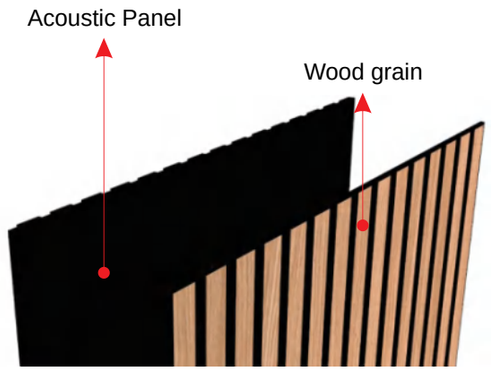
ROLLABLE SINGLE WOOD VENEER ACOUSTIC SLAT PANEL

AWGF-PE

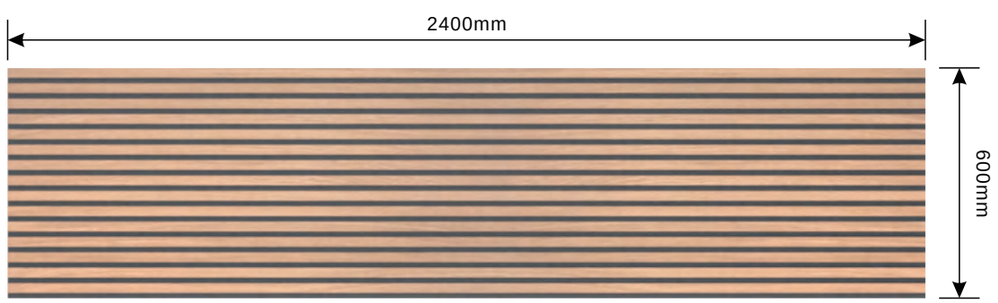




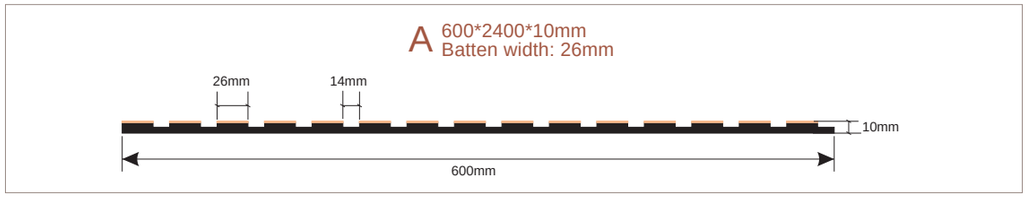
PRODUCT STRUCTURE

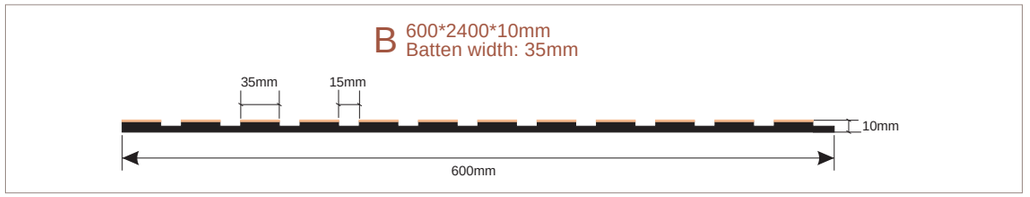


NORMAL SIZE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS





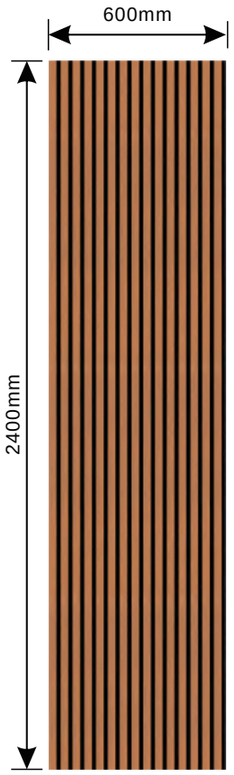


CIRCULAR WOODEN VENEER ACOUSTIC SLAT PANEL

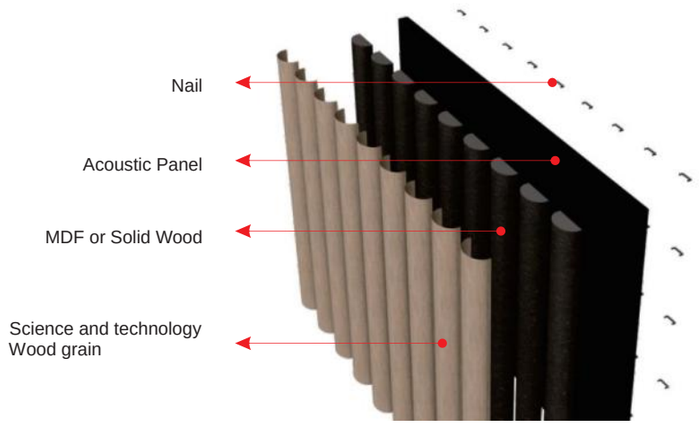
AWGF-YH



NORMAL SIZE

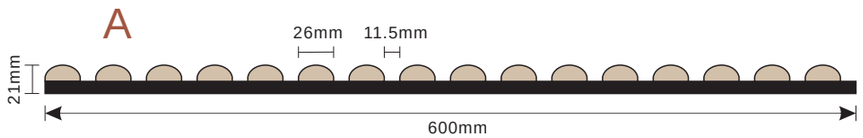


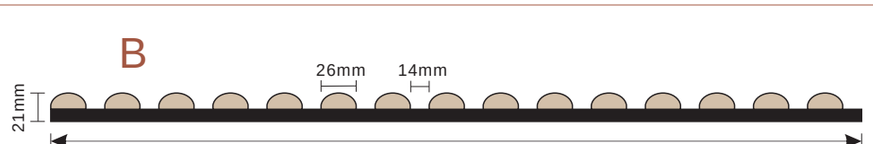
PRODUCT STRUCTURE





DETAILED DRAWINGS OF PRODUCT DIMENSIONS









2#



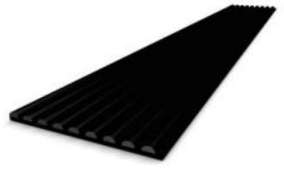
4#



13#



18#



Black



White

COLOR

ACOUSTIC SLAT PANEL

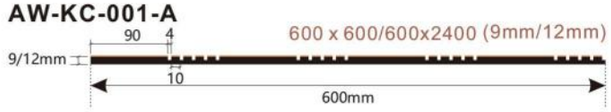
Polyester Fiber Decorative Slat Panel



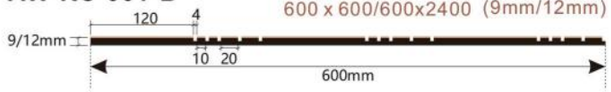


DETAILED DRAWINGS OF PRODUCT DIMENSIONS

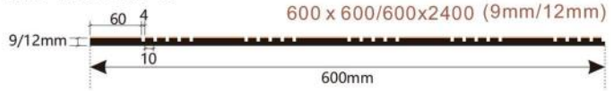
AW-KC-001-A 600 x 600/600x2400 (9mm/12mm)



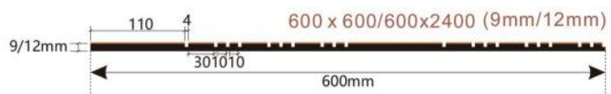
AW-KC-001-B 600 x 600/600x2400 (9mm/12mm)



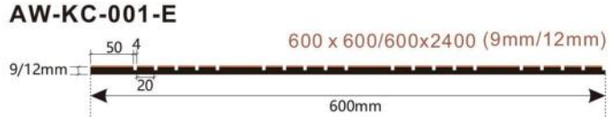
AW-KC-001-C 600 x 600/600x2400 (9mm/12mm)



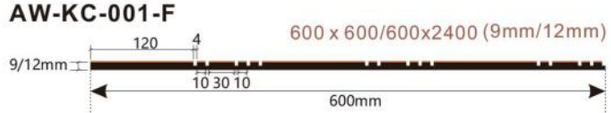
AW-KC-001-D 600 x 600/600x2400 (9mm/12mm)



AW-KC-001-E 600 x 600/600x2400 (9mm/12mm)

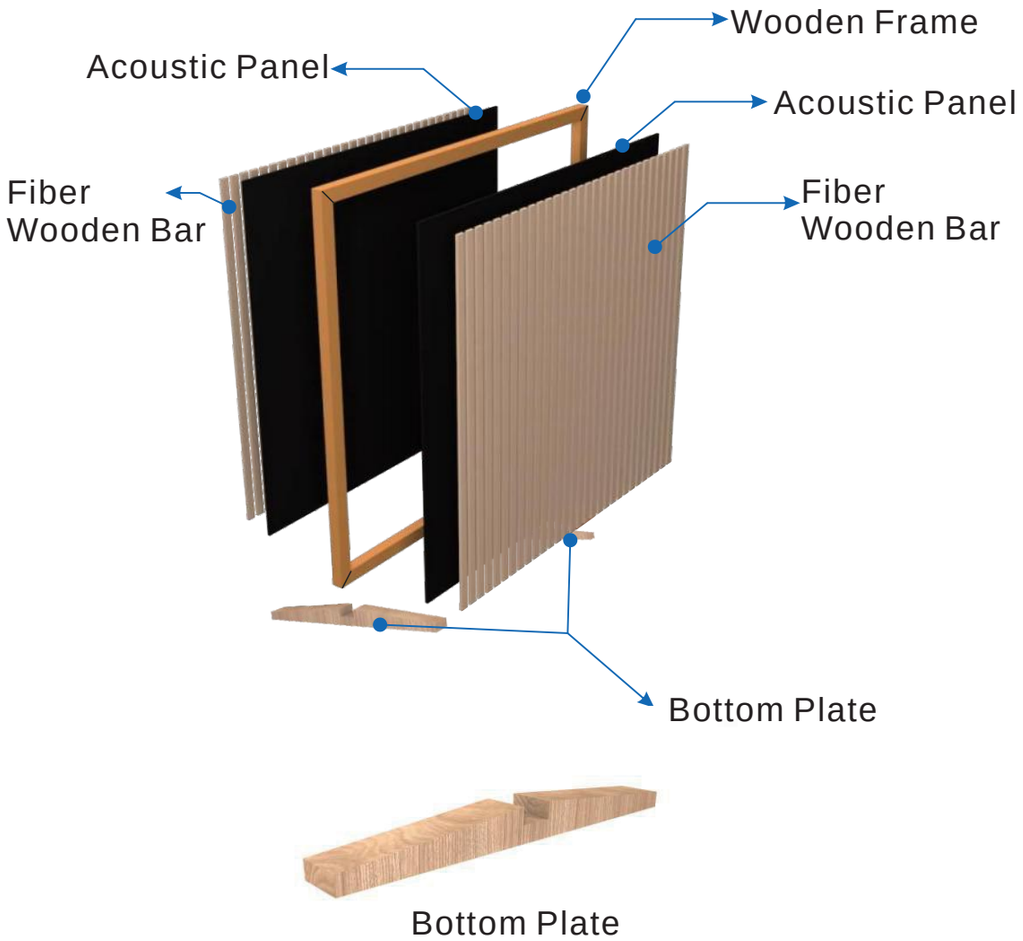


AW-KC-001-F 600 x 600/600x2400 (9mm/12mm)





SCREEN GRILLE PRODUCTS



Bottom Plate

Length: 1300mm

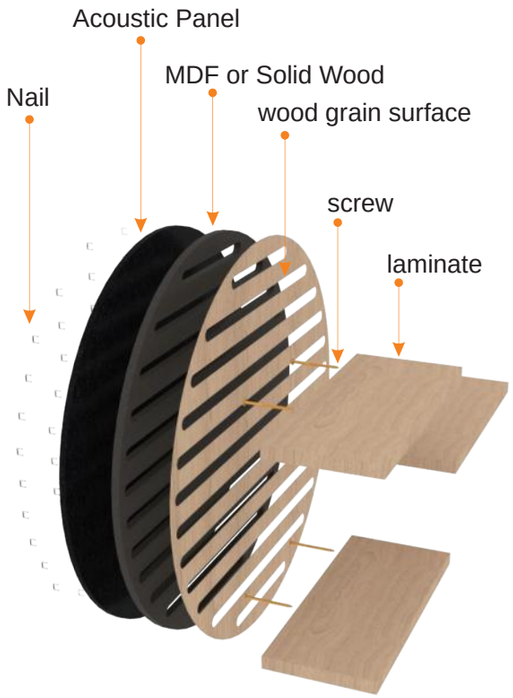
Width: 1300mm

Thickness: 40mm

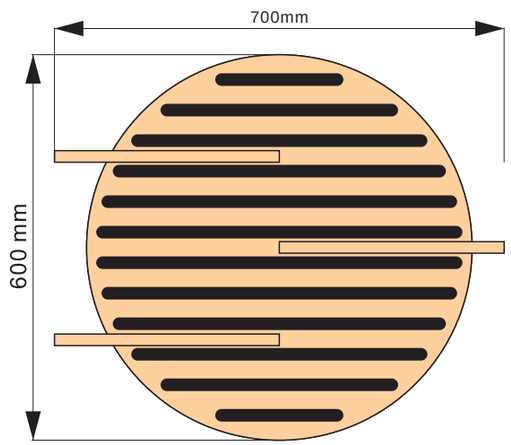




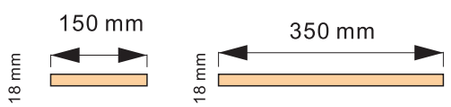
ACOUSTIC DECORATIVE SLAT PANEL

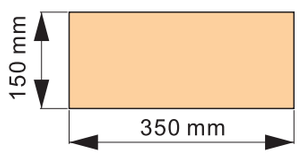










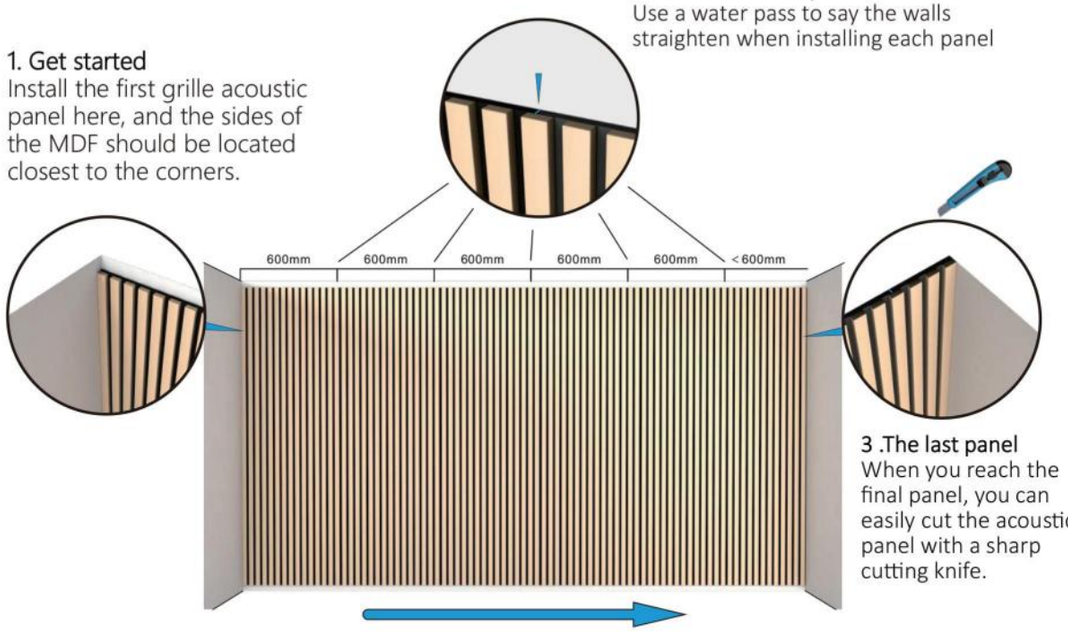




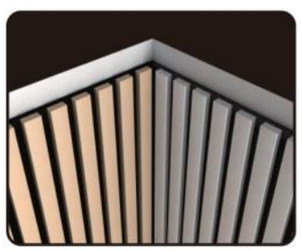
GRID PANEL WALL INSTALLATION DIAGRAM

1. Get started
Install the first grille acoustic panel here, and the sides of the MDF should be located closest to the corners.

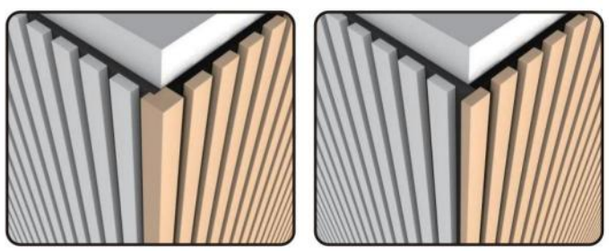
2. Attach acoustic panels to the wall.
Use a water pass to say the walls straighten when installing each panel



3 .The last panel
When you reach the final panel, you can easily cut the acoustic panel with a sharp cutting knife.



Installation of interior corners



Installation of outer corners



ACOUSTIC SLAT PANEL

INSTALLATION INSTRUCTIONS

Dimension

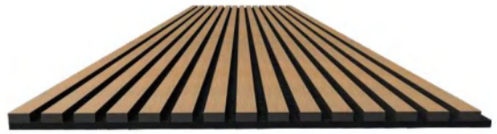
Consists of a 0.35” black or grey recycled PET Polyester acoustic fabric on which are mounted 1.02” x 0.47” strips in colored dark brown or black recycled MDF veneered with real wood veneer. The strips are spaced 0.55” apart.

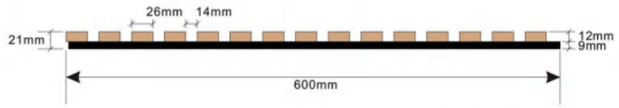
Each box contains one panels, both measuring 94.48” x 23.62”. These panels will join next to each other seamlessly.

Each box covers:
- 94.48”/ 2400mm (H)
- 23.62”/ 600mm (W)
- 0.82”/ 21mm (D)

Properties of real wood veneer

Natural wood veneer can vary in color, grain structure and appearance from strip to strip and panel to panel.



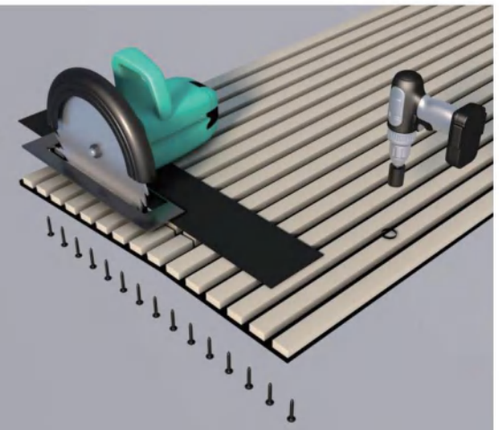


How to cut and drill

When sawing or drilling the acoustic panel, it is recommended that you first tape the area where the cut is made.

should be with regular masking tape. Screw or staple the slats 50 mm inside the intended saw cut. Use a fine-toothed hand saw for veneer or a countersink/circular saw with a fine-toothed blade equipped with a guide rail for best results. Carefully sand the cut with sandpaper (fine-grained 240).

The polyester fabric of the acoustic panel is easily cut with a sharp blade.



Care and maintenance

We recommend adding a protective finish to the panels if possible. Something like wood oil is perfect as it protects and keeps the natural look and feel of the wood. Once this is applied, light dusting or hovering will prevent any dust build-up. If you choose to keep the panels without a finish, then a dry cloth can wipe the panels down.

Fire rating

The acoustic felt backing carries a class B fire rating following certification ASTM E84-16.



How to install

There are three different options for installing.

1. Gluing straight onto the wall: A construction glue or grab adhesive is recommended for this.

2. Screwing directly into the wall:
Using black screws for the black backing option or silver or grey screws for the grey backing, the panels can be screwed directly into the wall through the acoustic felt.
We recommend a minimum of 9 screws per panel at 3.15” intervals across the width and 24” intervals down the length of the panel.
If installing into ceilings, make sure they are screwed into ceiling joists.
Please make sure the correct fixings are used if going into plasterboard, for example.

3. Screwing the panels into 1.8” timber battens:
We recommend screwing 1.8” timber batons to the wall and then screwing the panels directly into the batons through the acoustic felt to achieve optimum sound absorption.
Combined with Rockwool behind the panels between the batons, this will achieve Class A sound absorption.

4. As shown in the picture, install the light steel keel on the wall with a distance of 3.94" from the wall, and the recommended distance between the vertical keel is 23.6", and the horizontal keel can be adjusted according to the actual situation.
The middle of the keel needs to be filled with sound insulation cotton to obtain a more perfect sound absorption effect.

The product can be fixed on the keel by screws.

Technical Drawing

FIGURE 1

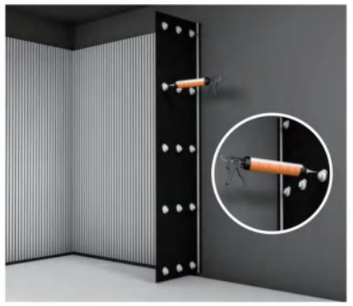


FIGURE 2

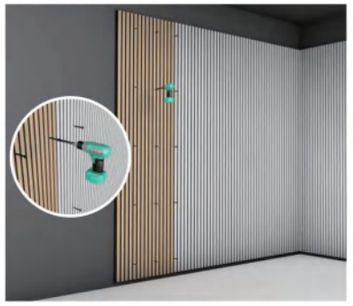


FIGURE 3

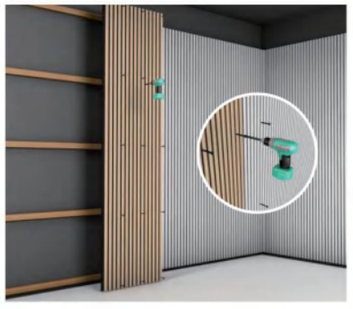
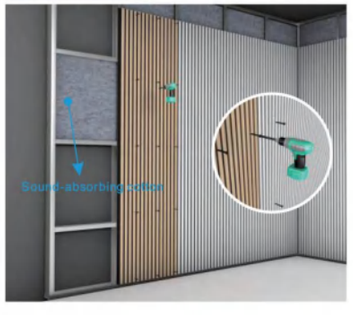


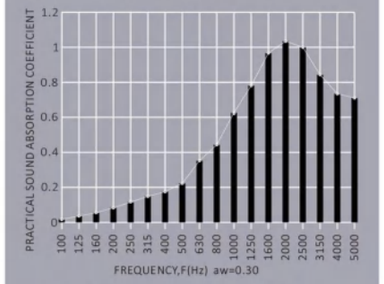
FIGURE 4



Sound Absorption Coeffcient for Acoustic Panels.

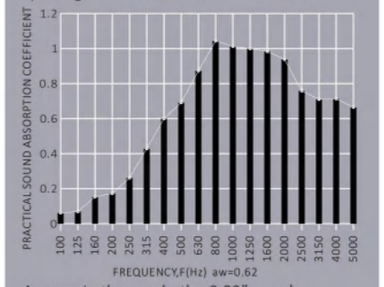
Laboratory measurements of sound absorption coeffcient were carried out in a reverberation room according to the test method of EN ISO 354:2003.

Panel mounted directly to the wall



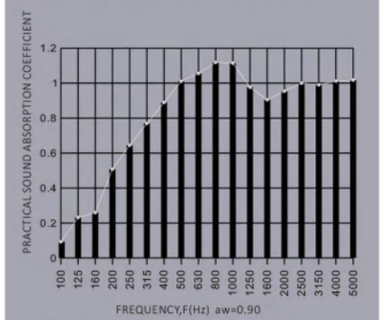
As seen in the graph, the 0.82” panel, mounted directly to the wall, obtains an absorption coefficient of 0.3 (MH).

Panel mounted with 1.8” timber batons spacing and mineral wool insulation



As seen in the graph, the 0.82” panel, mounted with 1.8”timber batons spacing and mineral wool insulation,obtains an absorption coefficient of 0.62 (MH).

Panels mounted on 3.94" pitch light steel joists and filled mineral wool insulation



As shown, the panels were mounted on light steel joists with 3.94” spacing from the wall and filled with mineral wool insulation for an absorption coefficient of 0.90 (MH).