



SOUNDPROOF MATERIAL

Wood Acoustic Panel • PET Panel • Luxury Home Accessory

<https://beacoustics.en.alibaba.com>
<https://bnpanel.com/>

NO. 134, WEST OF THE NORTH END OF YIAN AVENUE, JIANGZHUANG TOWN,
GAOMI, WEIFANG, SHANDONG

CATALOGUE
2025

Company Profile

Beien Construction Co., Ltd. is an environmentally friendly enterprise focusing on the research and development and production of polyester fiber sound absorbing board, clothsound absorbing board, flame retardant sound absorbing cloth, soundproof board and other acoustic materials. The company was founded in 2009, with sales headquarters located in the beautiful island city of Qingdao, and the production base is located in Gaomi Jiangzhuang Town, Weifang, 50 kilometers away from Qingdao port and airport, with convenient sea, land and air transportation and fast communication. The production base covers an area of 20,000 square meters, the

production area is about 6,000 square meters, and the fixed assets of the enterprise are 10 million yuan. In 2019, the company was recognized by Qingdao High-tech enterprises and successfully listed in Blue Ocean equities, is the national building materials industry recognized brand and quality and trustworthy enterprises.

Behind every great product is a strong factory. We have our own factory, with 14 years of production experience, to provide you with quality assurance. Direct sales, no middlemen. Experience the Beien's difference.



Product Advantages

About MDF Boards

- Beien uses high-density MDF boards weighing 760-800kg, while some merchants use low-density boards weighing 680kg.
- Compared with the common grey density boards on the market, the MDF boards of Beien are darker in color and more aesthetically pleasing.
- Beien insists on using density boards with an E0 environmental protection grade. Some merchants use density boards with an E2 environmental protection grade. Although they are cheaper, the formaldehyde content exceeds the standard, which affects the health of users.



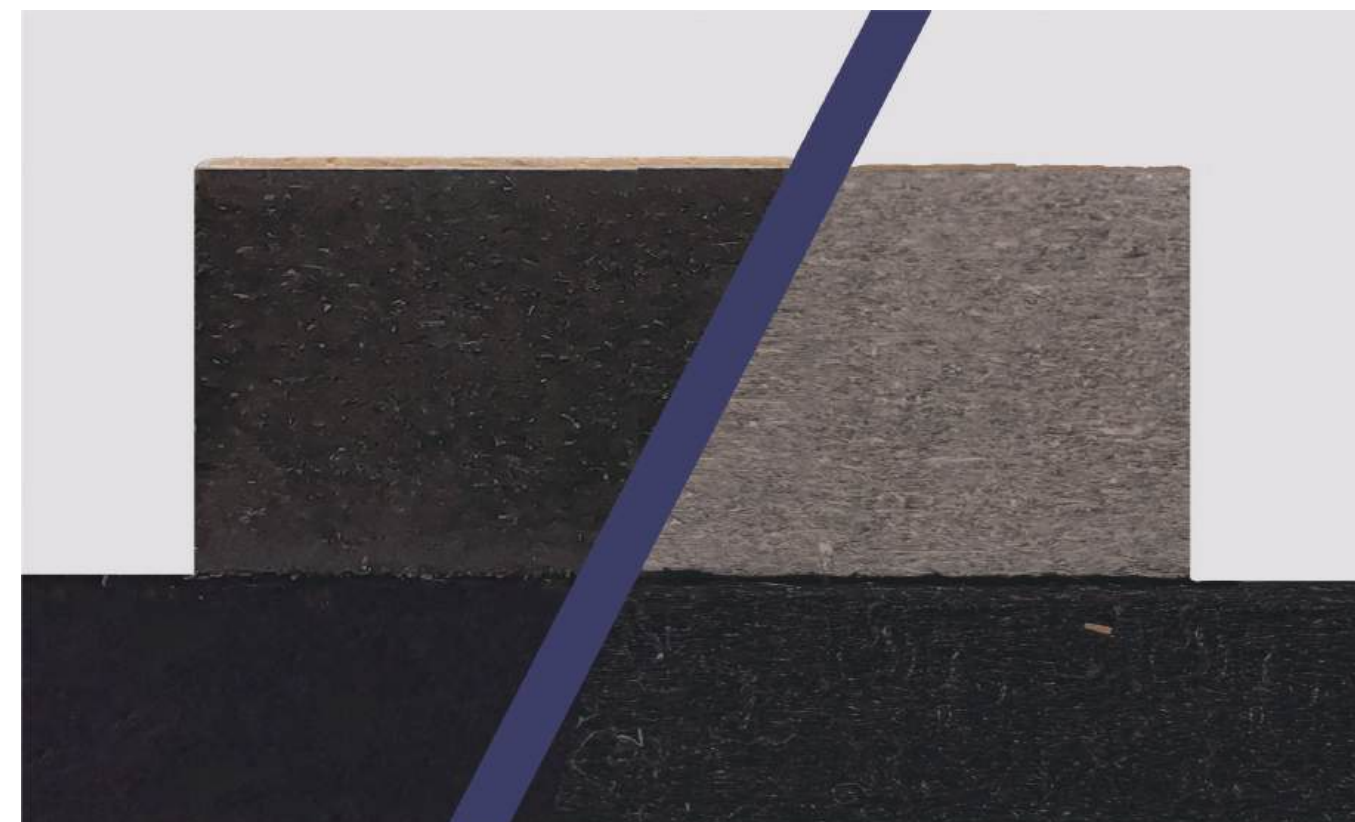
Beien's dark MDF board

VS

Other gray MDF board

About Wood Veneer

- The wood veneer used by Beien is 40 threads thick (about 0.4-0.5mm), with solid materials and sufficient thickness. In contrast, the wood veneer used by some merchants is 0.2mm thick, which is relatively brittle and prone to falling off.
- The grain of Beien wood veneer is deeper, more three-dimensional and beautiful, while the wood veneer used by many merchants on the market has a shallower grain and a poorer visual effect.
- Some of Beien's products have their wood veneer surfaces coated with fixed-color UV paint ensures that the wood veneer color does not oxidize and can effectively prevent moisture, leading many merchants.



Beien's 40 microns wood veneer

VS

Other ordinary wood veneer

Product Advantages

About PET Panels

- The density of Beien's PET panels is as high as 1700g. Compared with a large number of 1350g felts on the market, the quality of our panels is higher.
- The PET panel of Beien has fine and soft fibers, which is different from the rough and grainy braced panels.
- Unlike those PET panel merchants that use recycled waste materials as much as 60% to 70%, Beien's PET panel raw materials account for 80%.



Beien's fine and soft fiber **VS** Rough and grainy inferior fiber



Apply UV paint **VS** Do not apply UV paint



Beien's clear wood veneer grain **VS** Other shallow veneer grain

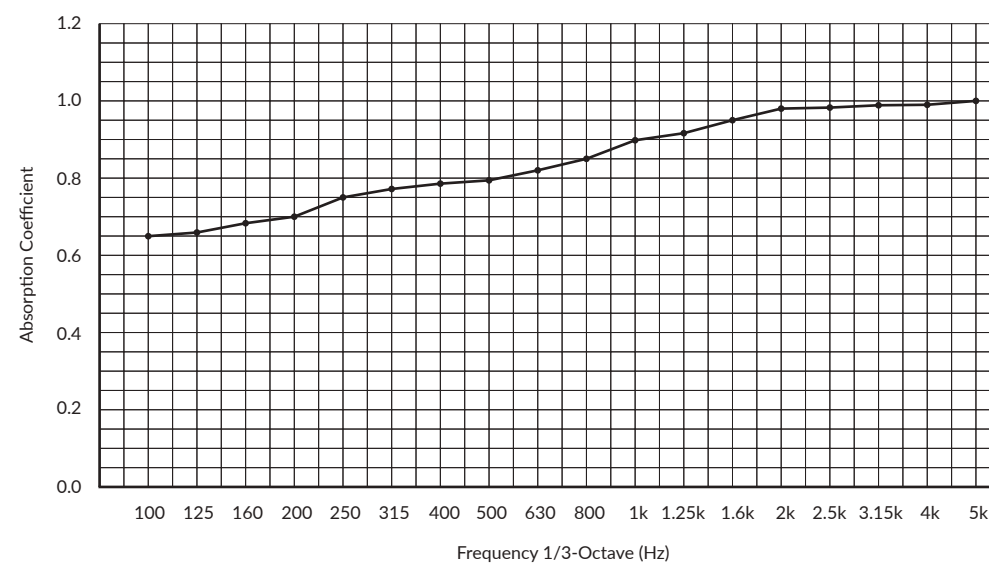
Wood Slat Acoustic Panel

The Beien's wood acoustic panel offers a well-designed wood strip for decorative wall and ceiling panels with superior acoustic properties. These panels easily enhance the walls and ceiling and embody contemporary elegance. Featuring a luxurious, smooth veneer finish, the natural wood series features an innovative, environmentally friendly acoustic felt material with a smooth sheet. The simple installation process can quickly change any space.

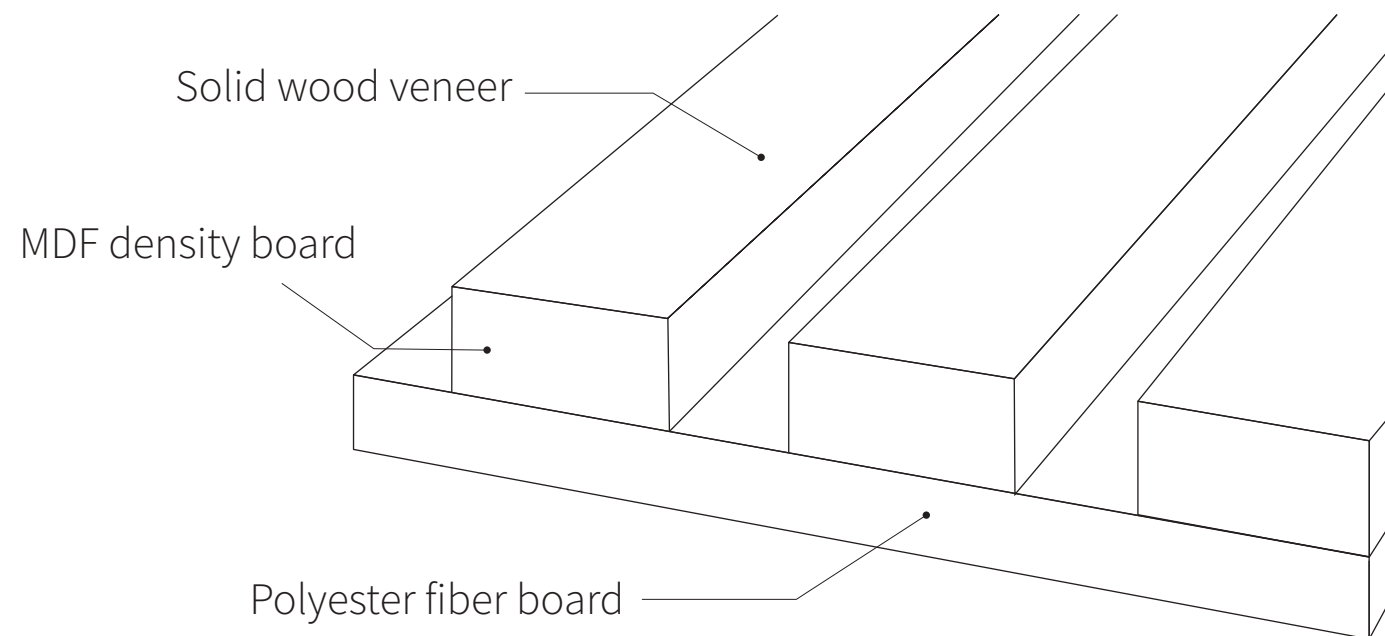


Freq. Hz	α^s
100	0.66
125	0.67
160	0.70
200	0.74
250	0.77
315	0.79
400	0.80
500	0.82
630	0.85
800	0.89
1000	0.91
1250	0.92
1600	0.95
2000	0.97
2500	0.97
3150	0.98
4000	0.98
5000	0.99

Sound absorption coefficient diagram



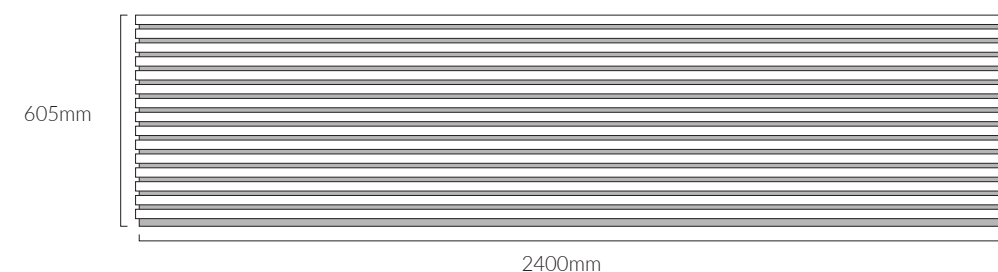
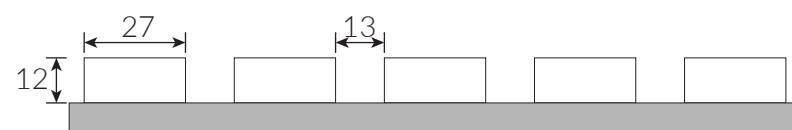
*Note: The sample density is 320kg/m³.



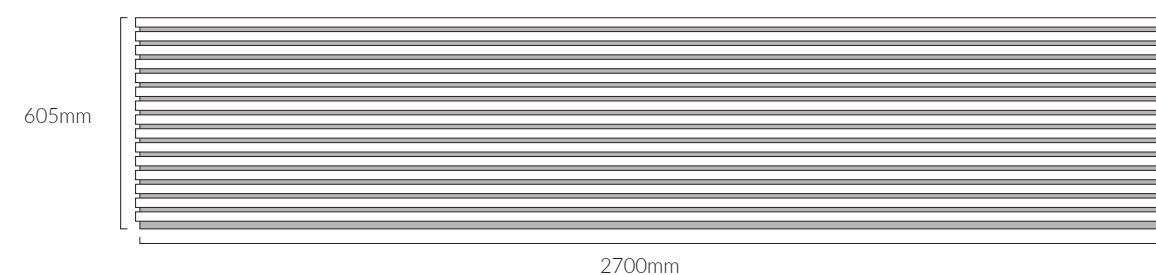
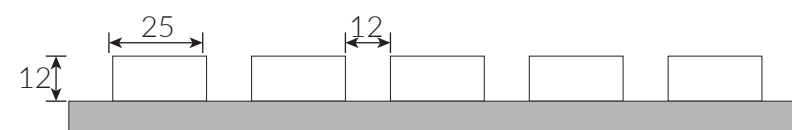
*Different from other medium density boards on the market, Beien's density board uses 760-800kg high-density board, after many tests, its stability and pressure resistance is better, but also more beautiful, popular in Europe and the United States.

Specification Type

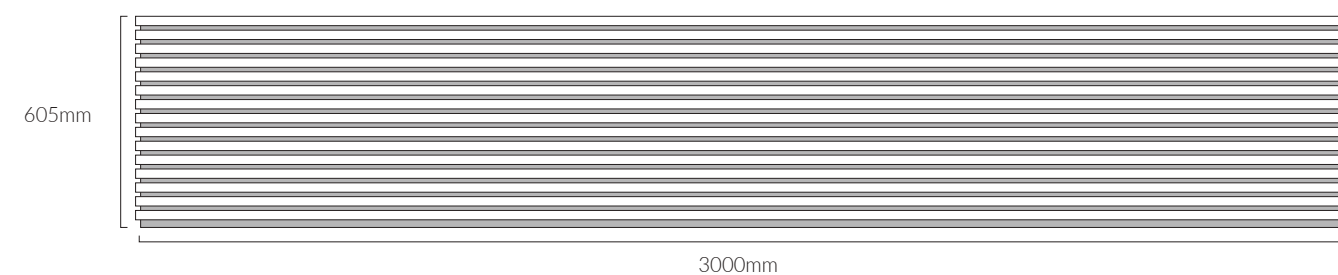
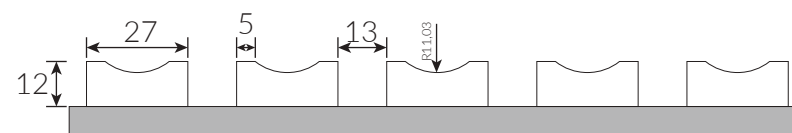
BN-01



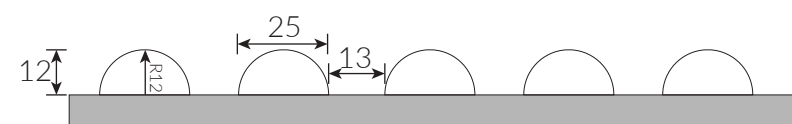
BN-02



BN-03



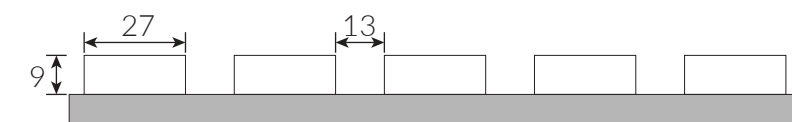
BN-04



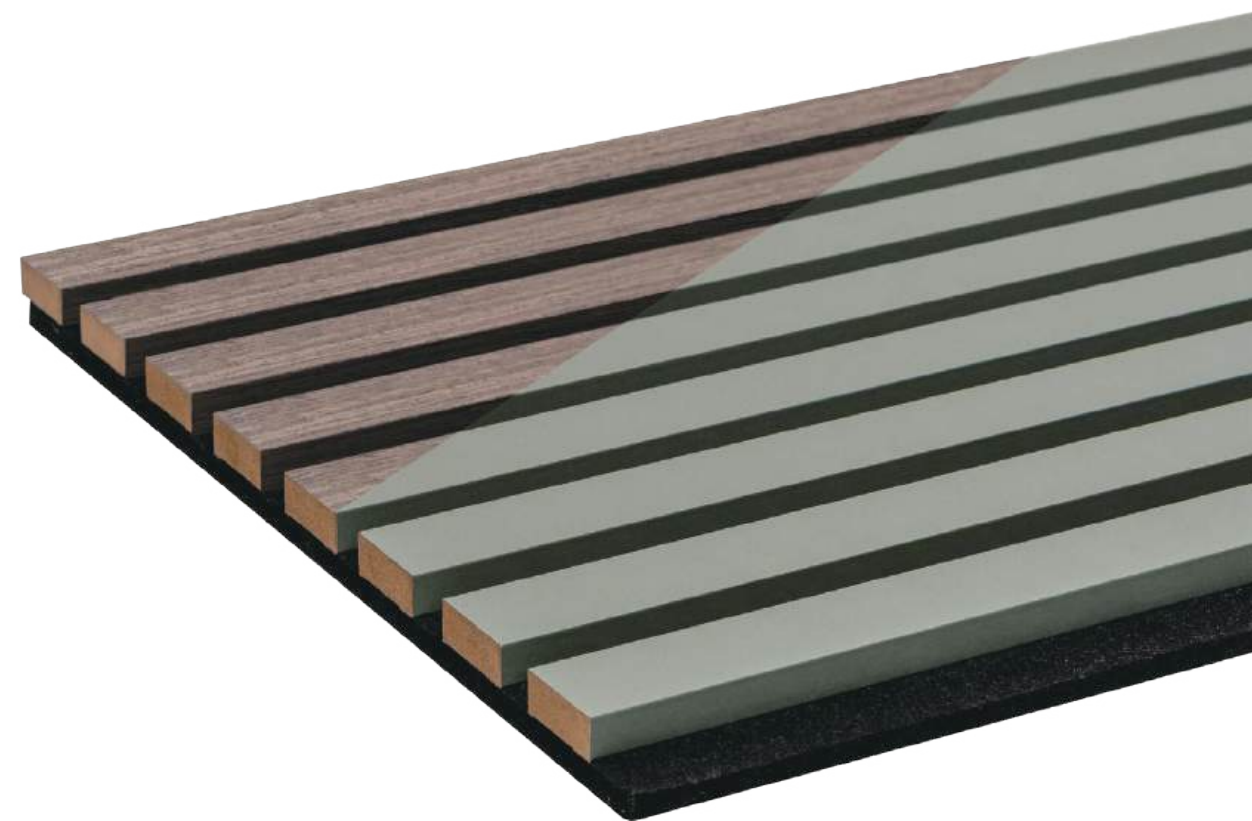
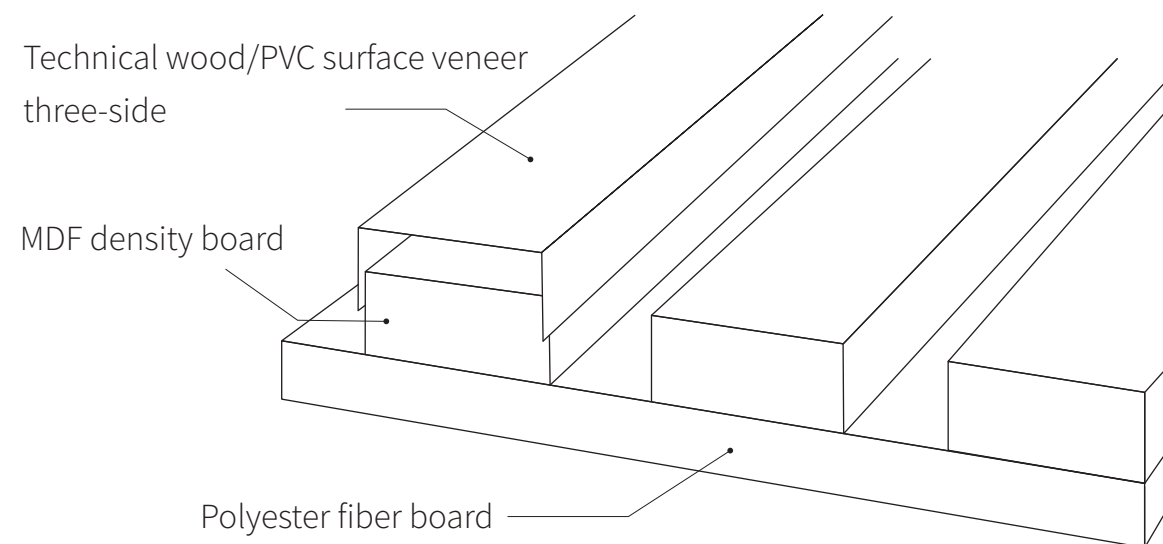
Our panels are available in three general sizes: 2400mm*605mm*21/18mm
2700mm*605mm*21/18mm
3000mm*605mm*21/18mm

*Other customizations can be customized, please contact customer service.

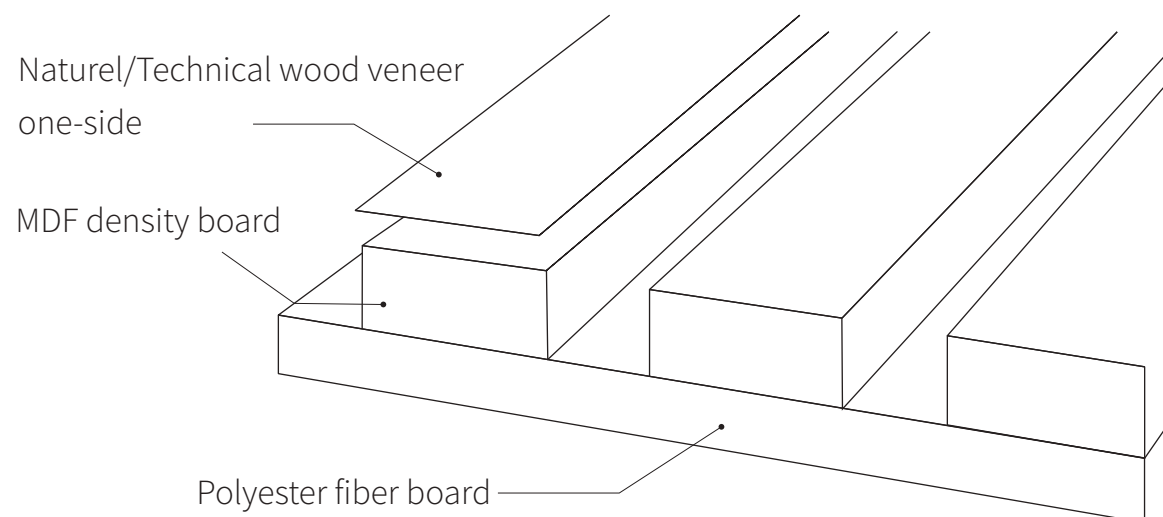
BN-05



Three-side Veneer



One-side Veneer



Technical Wood Veneer



TBW-01



TBW-02



TBW-03



TBW-04



TBW-05



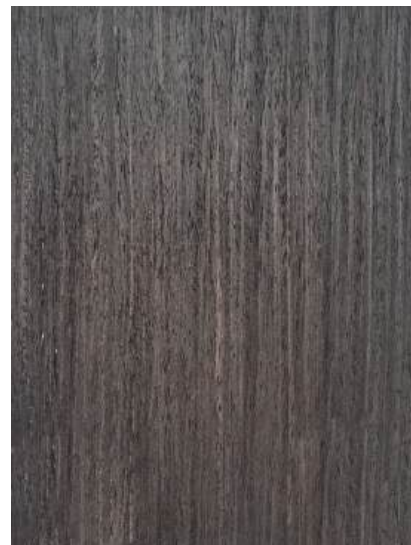
TBW-06



TBW-07



TBW-08



TBW-09



TBW-10



TBW-11

Natural Wood Veneer



NBW-01



NBW-02



NBW-03

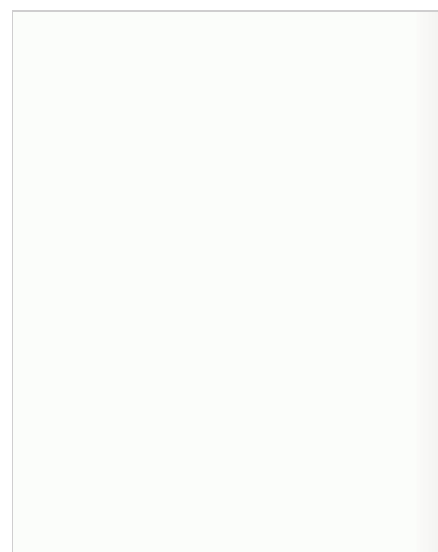


NBW-04



NBW-05

PVC



PBW-01



PBW-02



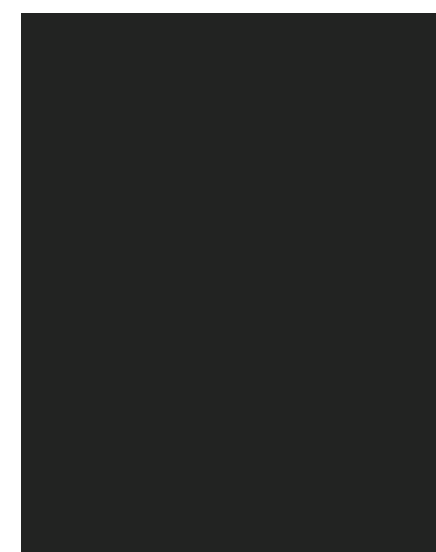
PBW-03



PBW-04



PBW-05



PBW-06

PET Panel

Beien's PET acoustic panels are the lowest source price and are made from 100% polyester. The product is environmentally friendly, pollution-free, and can provide professional customized services. The product is versatile and can be used in a variety of scenarios. It can be fixed on walls, ceilings and more smooth and flat surfaces, which not only effectively reduces ambient noise, but also plays an obvious decorative role, creating a new space for you. Our products are made from recyclable and environmentally friendly materials.



Specification Type

1220mm*2420mm*9mm

1220mm*2420mm*12mm

1220mm*2420mm*15mm

1220mm*2420mm*24mm

Other sizes can be customized. Please consult customer service. We are able to provide online installation guidance.

Here you can customize any pattern you want: Hexagon/pentagon/circle/other shape.

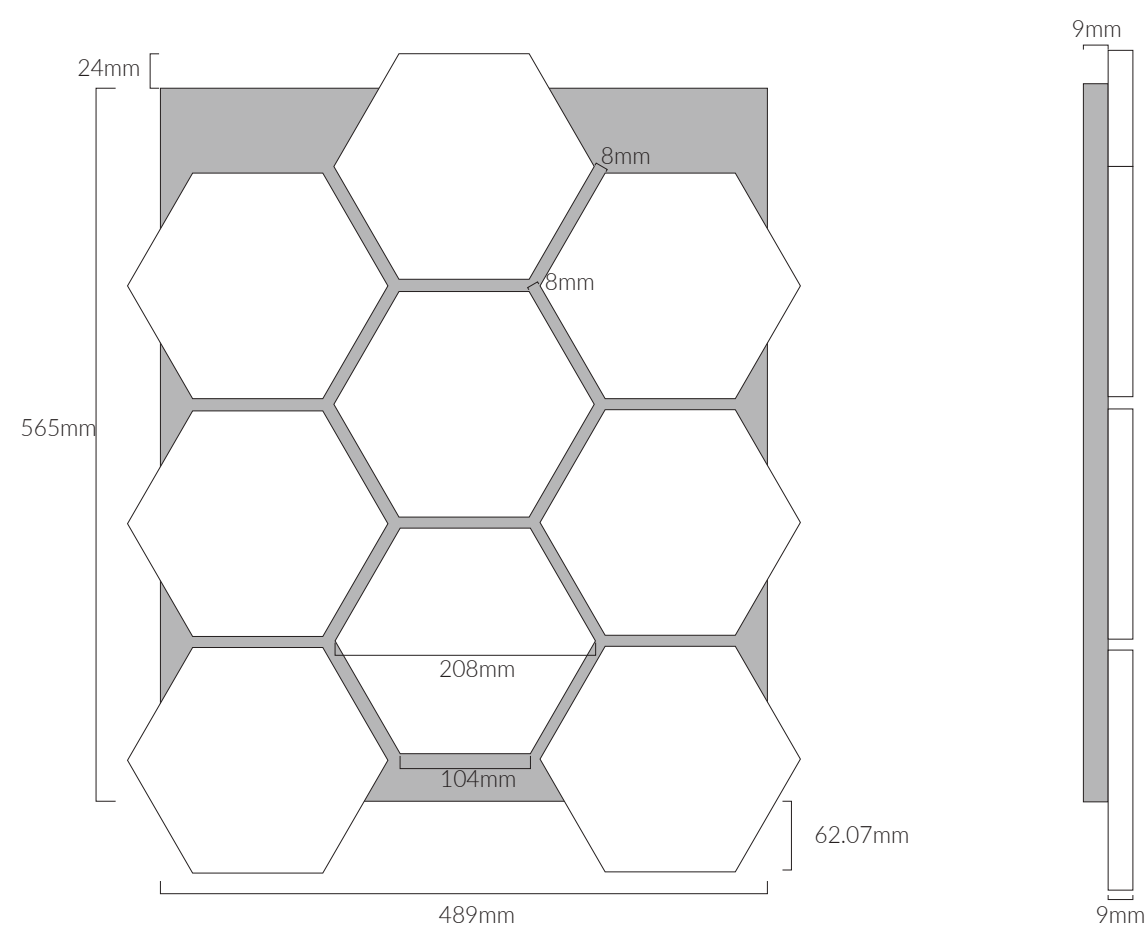
Product raw material 100% polyester fiber.

Each 12 "12" panel contains the equivalent of four recycle bottles.



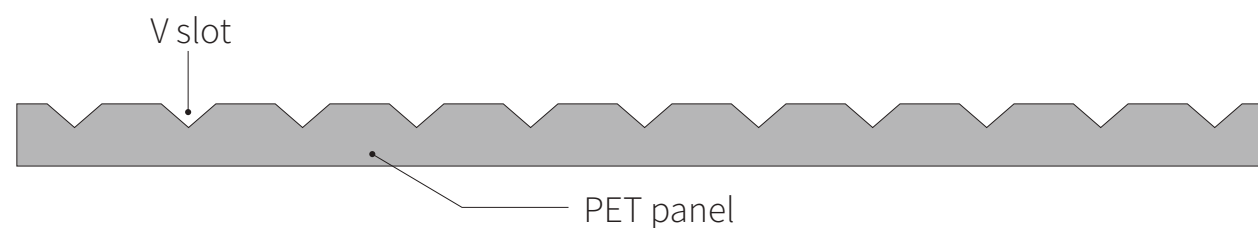
Hexagen Wood Acoustic Panel

Hexagons are very popular custom shapes, with colors and shapes that approximate honeycomb. The finished products of this specification are lighter and more decorative.



Engraved V Slot PET Panel

These engraved V slot PET panel bring in a lot of design opportunities — you just have to use your imagination and make a unique combination. The different colors available make it really easy to create something special, while the handy size and installation will help you easily and in no time improve the acoustics of the place.



Irregular PET Panel

In the design that pursues acoustic effects and spatial aesthetics, custom PET sound-absorbing boards offer you unlimited possibilities. Whether it's special sizes, irregular cuts, or creative patterns, we can precisely achieve them, allowing acoustics and design to blend perfectly.

Flexible customization, breaking through limitations. Any size, supporting non-standard specifications, perfectly adapting to various space requirements.

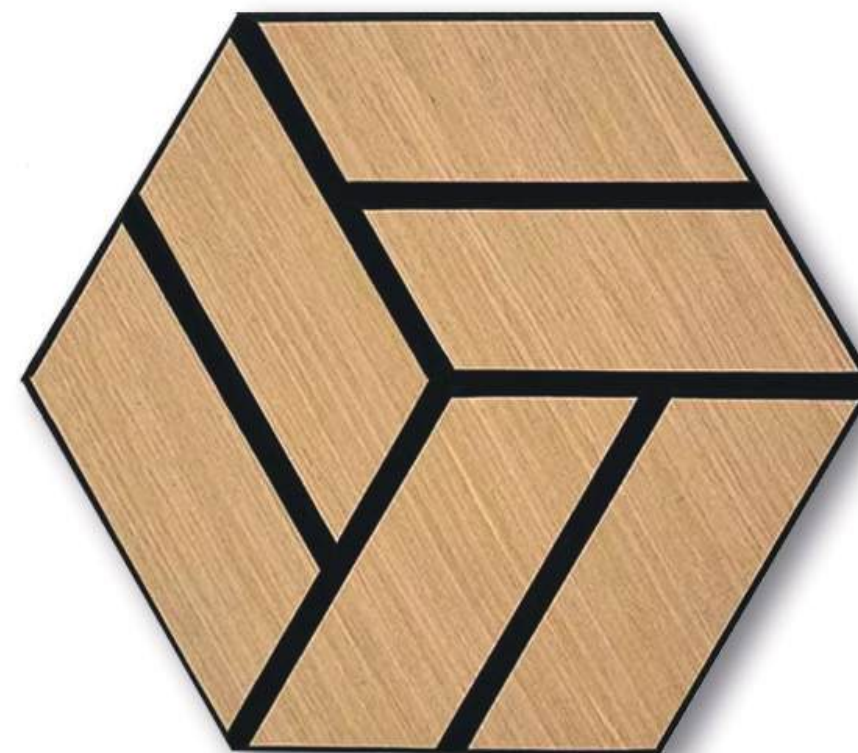
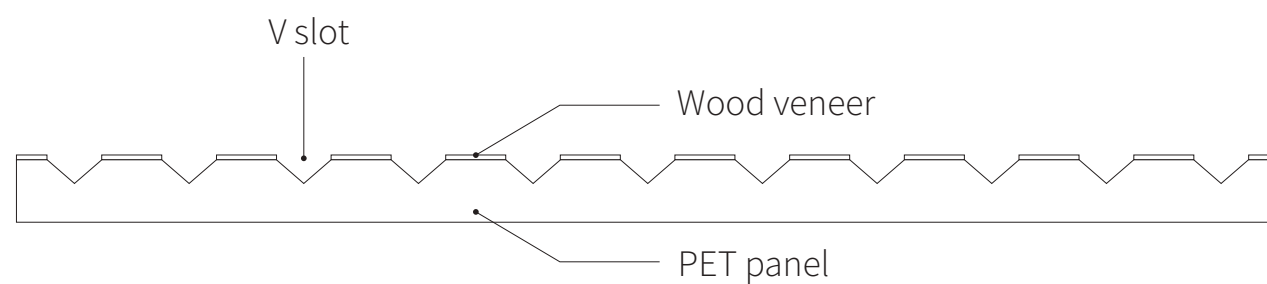
Diverse shapes, capable of cutting unique forms such as circles, waves, and geometric patterns.

Color individuality, offering a variety of color series to choose from.



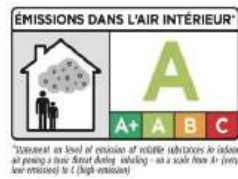
Wood Veneer PET Panel

The panel is made of polyester board and wood veneer, lightweight and beautiful. With polyester board as the base plate, the surface of the laser carved V-shaped grooves to form decorative patterns, and the surface is covered with wood veneer.



Perforated PET Decorative Panel

Based on PET material and combined with precise cutting techniques, a modern decorative panel with fine hollowed-out textures is created. It is suitable for scenarios such as home background walls, commercial space partitions, and lighting decorations. With a simple design, it enhances the texture of the space and infuses the environment with a sense of breathing and luxury. Environmentally friendly, durable, easy to clean and maintain, it is an ideal choice for those who pursue a balance between fashion and functionality.



PET Slat Panel

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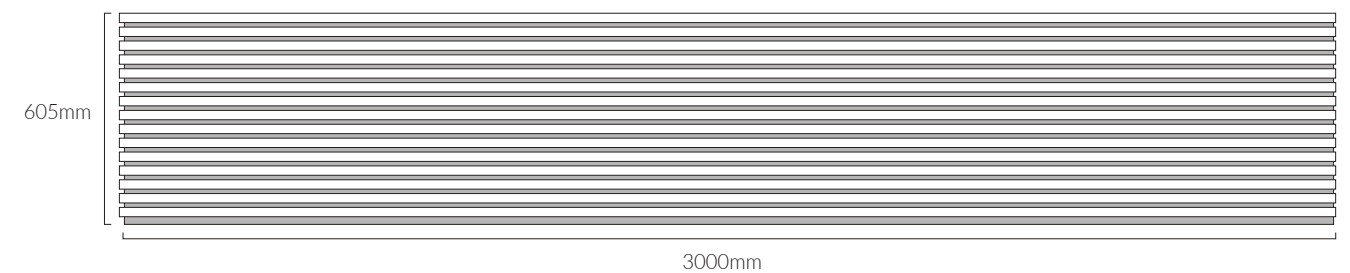
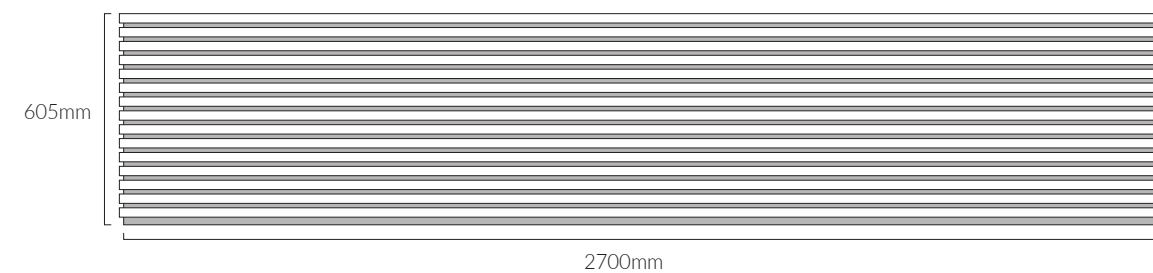
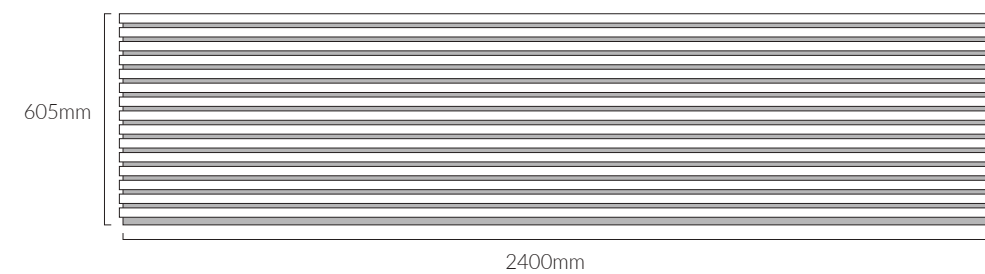
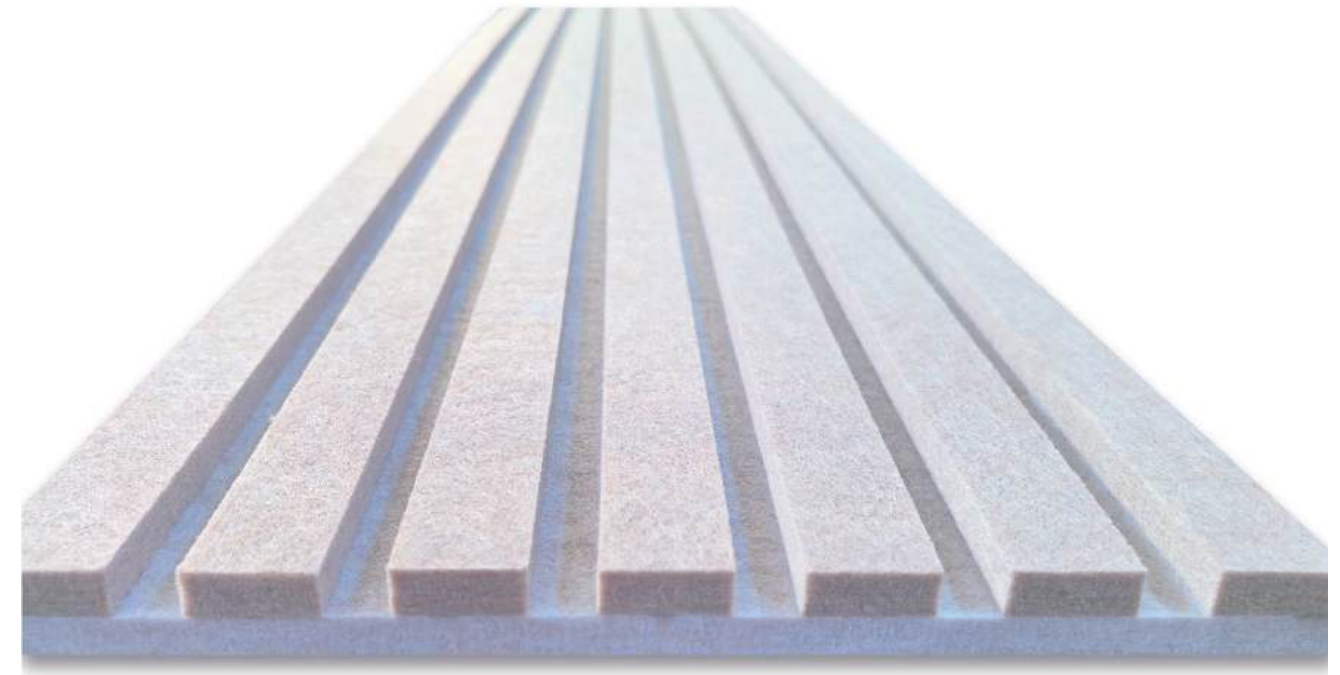
Specification Type

Our panels are available in three general sizes: 2400mm*605mm*18/21mm
2700mm*605mm*18/21mm
3000mm*605mm*18/21mm

*Other customizations can be customized, please contact customer service.

Product raw material 100% polyester fiber.

Each 12 ""*12" panel contains the equivalent of four recycle bottles.

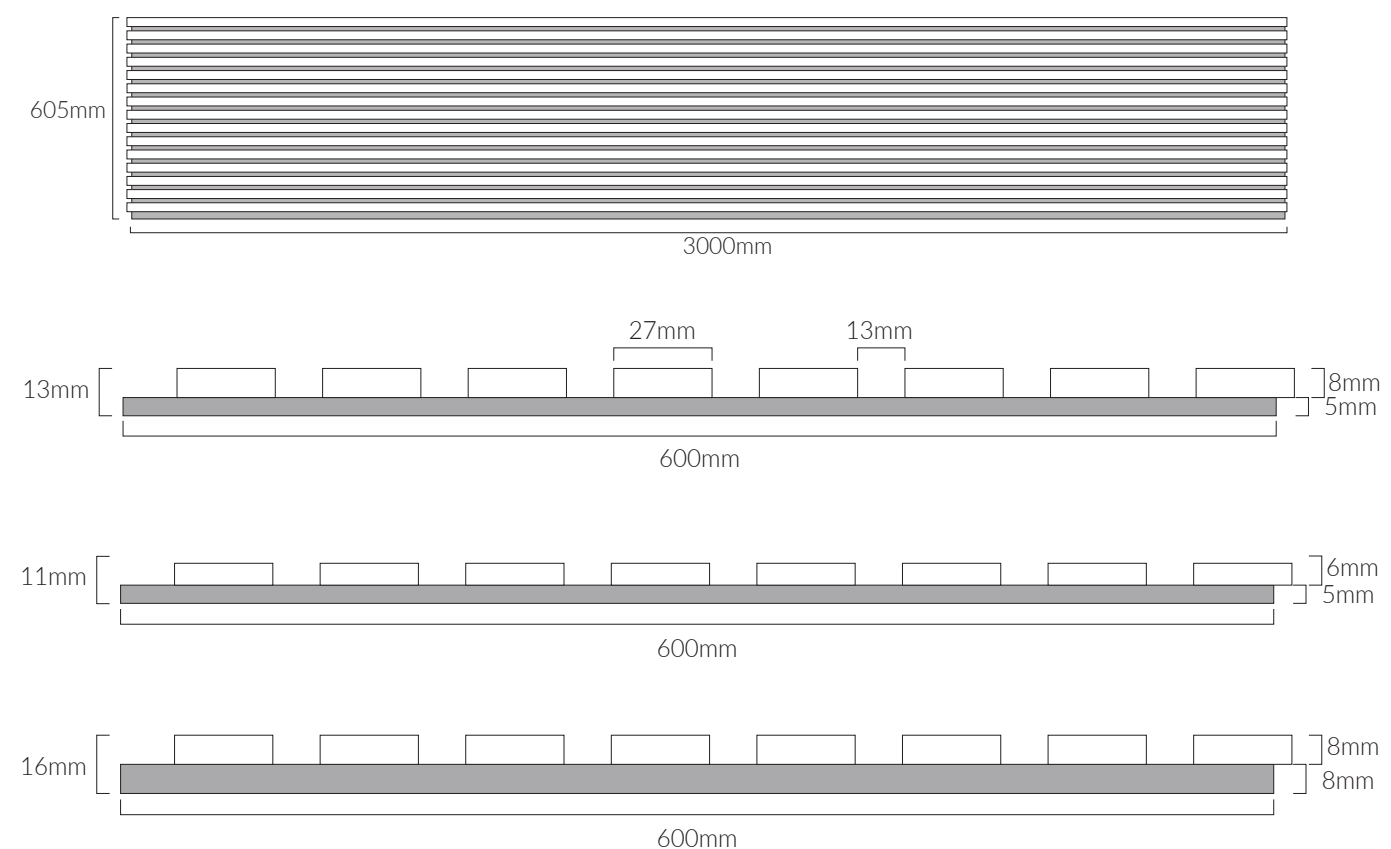
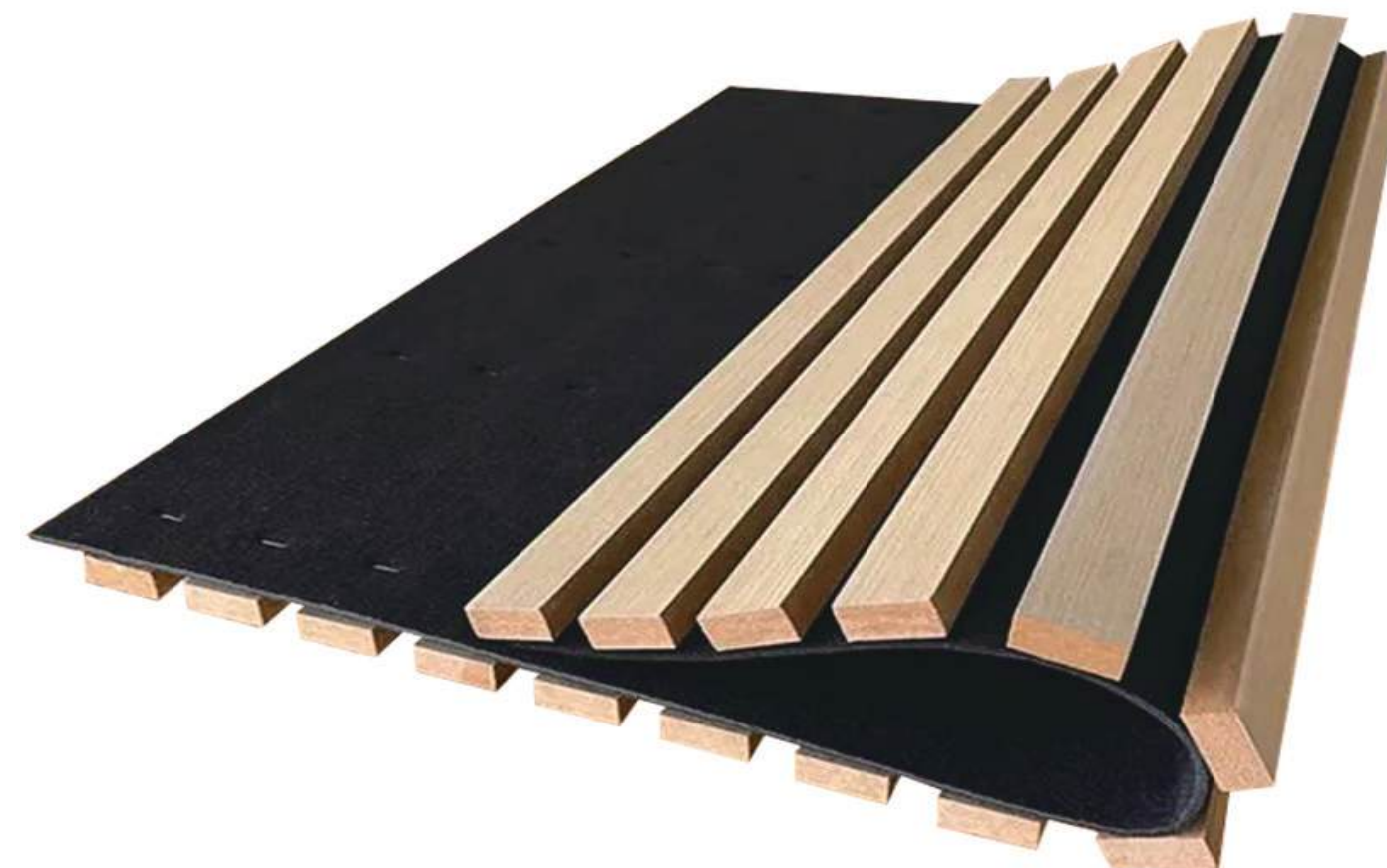
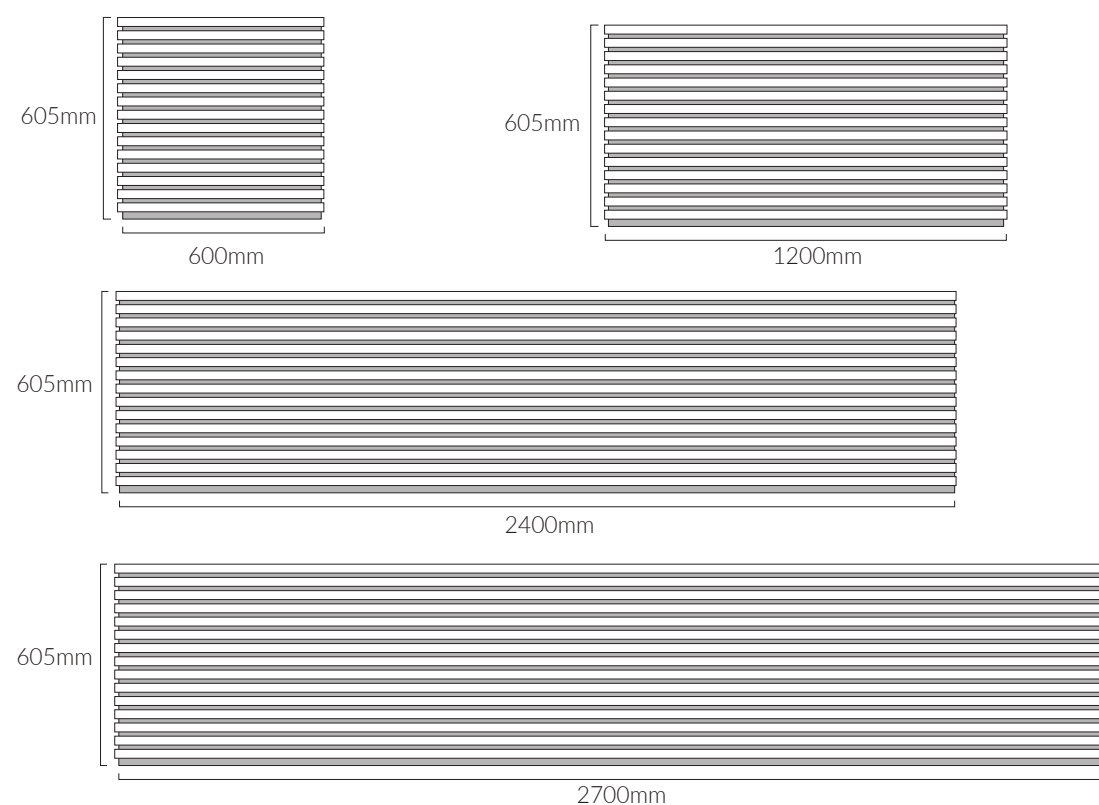


Curved Acoustic Panel

In the modern space where acoustic comfort and aesthetic innovation are combined, the flexible slat curved sound insulation board stands out. Free bending, unlimited creativity. These panels are made of highly elastic composite materials and flexible slat structures, effortlessly conforming to curved, wavy or custom geomeuses, and seamlessly integrating with non-traditional architectural forms.



Specification Type



LED Light

Introducing our new LED strip lights, designed to perfectly integrate with acoustic panels and bring seamless lighting solutions to your home.

Our new LED strips are crafted exclusively for acoustic panels, ensuring a perfect fit and enhanced functionality.

The flexible silicone material with a matte finish allows for effortless installation—simply press the strip into the panel grooves, no tools required. The matte finish matches the color of our black felt, making the LED strips nearly invisible when turned off.



Specification Type

Light source configuration: 3000K/4000K/6000K

Lamp power: 10W/meter

Lamp beam angle: 120°

Light efficiency (LM) ≥35

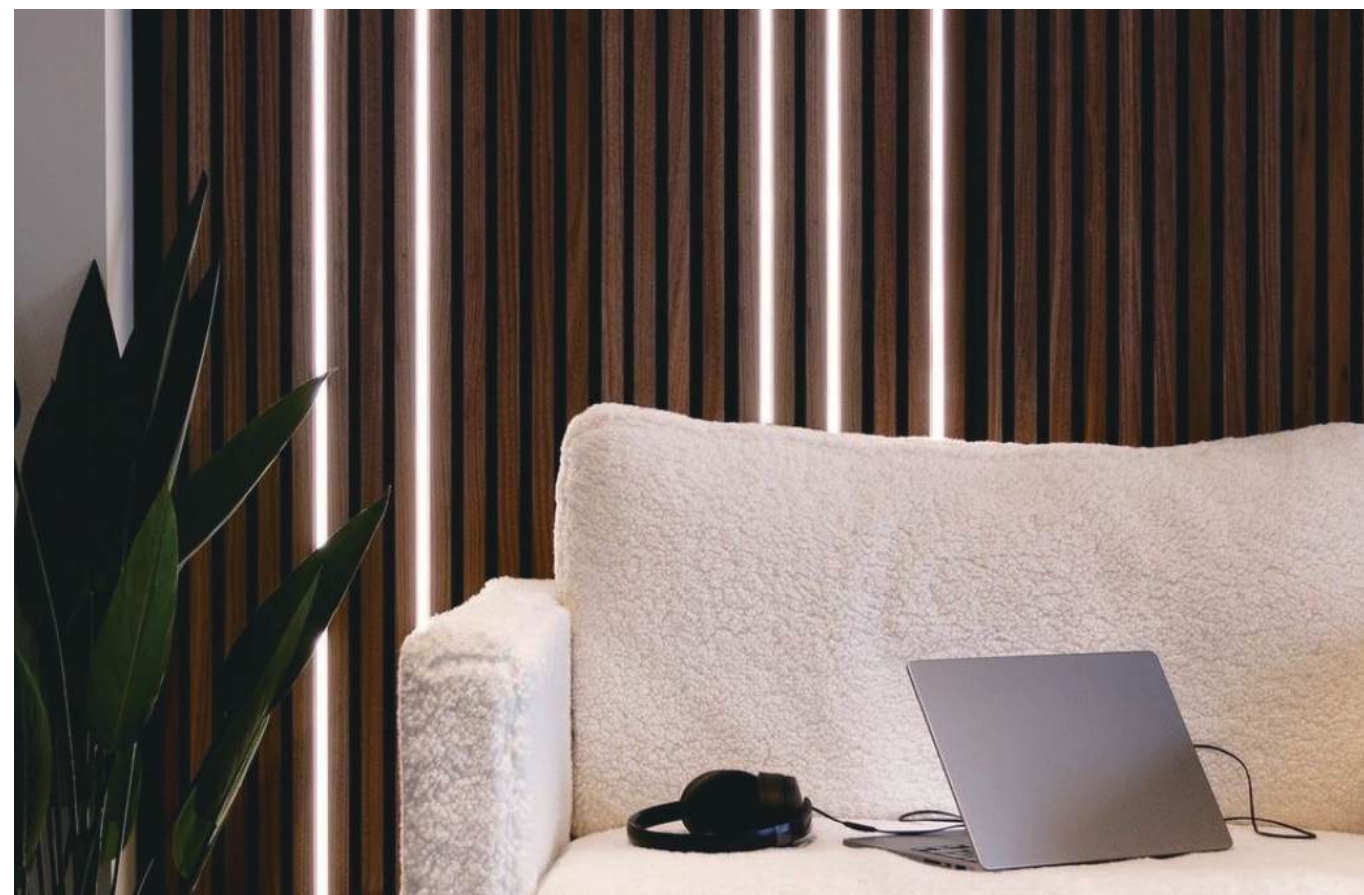
Color rendering index: ≥80

Protection level: IP67

Voltage: 24V

Size: 2400/ 3000mm

Accessories: Controller + power supply(60/150W)+ remote control+3m extension cord



Shelf

We designed this shelf to give your panels more purpose. It's strong, functional, and made to hold books, decor, and everyday essentials—right where you need them.

Mounts in seconds. No tools required.

We only guarantee that our accessories will fit our panels.



Hanger

Streamline your space with our minimalist hangers, perfect for any item and designed for Akupanel. Choose from single, vertical, or horizontal styles for clutter-free organization. Their design adds a sleek touch, and they're easily rearranged without leaving marks.

