



COMPANY INTRODUCTION

CHANGZHOU PROLUXE HOME TECHNOLOGY CO.,LTD. is located in the hinterland of the Yangtze River Delta plain, southern Jiangsu RiverYin City Washi town. Construction industrialization is a new way of construction industry development vigorously supported by the state, through standardizationArchitectural design and modular, factory parts production, to achieve the building components of the universal and modernAssembly and mechanization of field construction.Changzhou Proluxe Home Technology Co.,Ltd.is a national high-tech enterpriseIndustry, is committed to new building materials, acoustic material assembly type wall and other building industrialization materials and partsResearch and development production.

Best-selling Europe and the United States for 10 years, reliable quality! For the purpose of first-class living acoustic environment, constantly mentionFor high quality sound absorbing materials, rich categories.

The company adheres to the mission of "caring for employees, achieving customers, responsible society, and sustainable development"Together with strategic partners for "health, environmental protection, safe green life" and unremitting efforts.

Proluxe adhering to: to create a new quality of life space for the mission; To "exceed customer expectations" for the purposeBid; Committed to the sustainable development of the company, to become the benchmark of the acoustic materials industry. We struggle hard,Open and enterprising, sincere to the letter, team cooperation, only to achieve customers.



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.

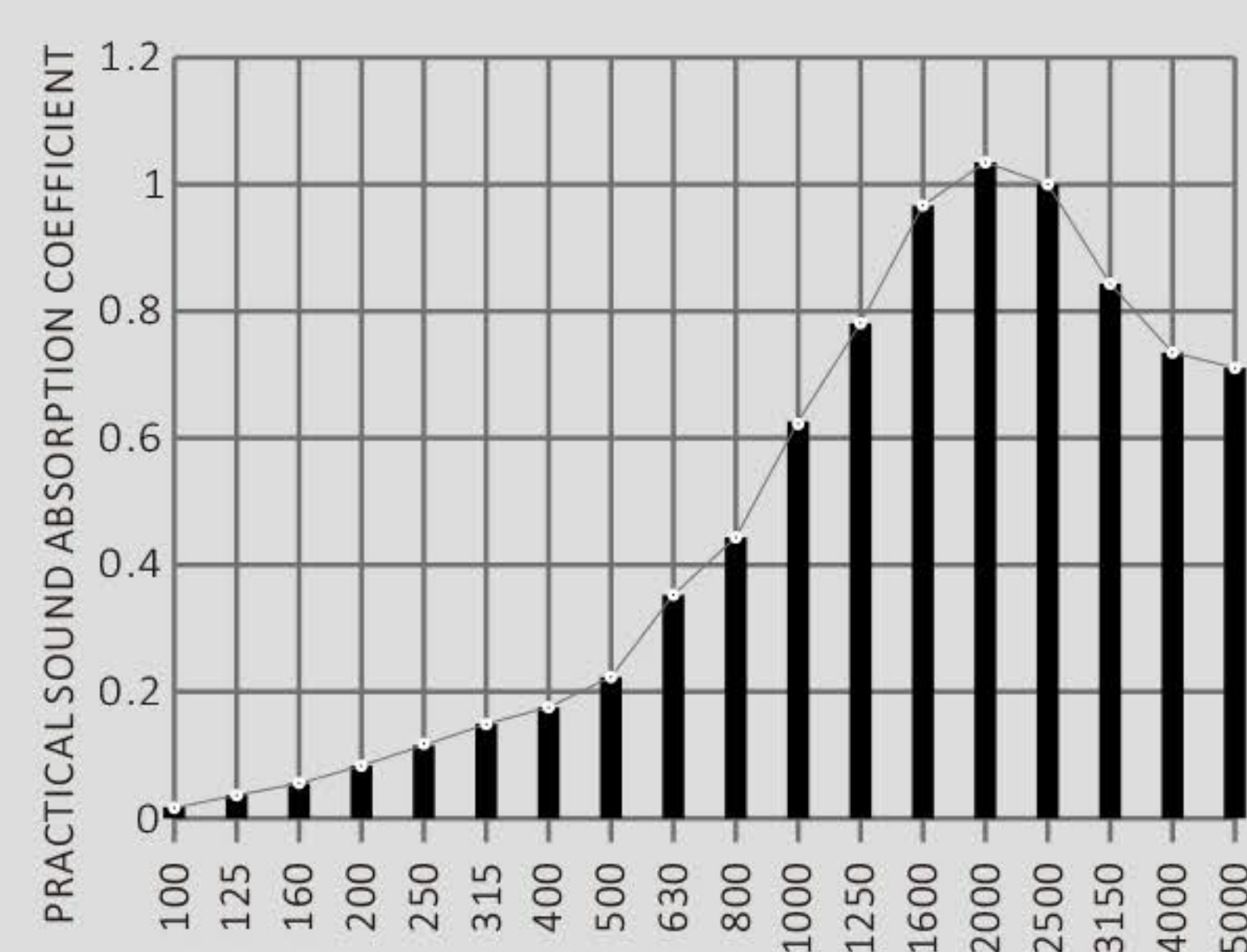
PRODUCT SPECIFICATIONS

Model:	60% Polyester;30%MDF;10%Veneer
Surface:	Melamine/Varnished 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 COEFFICIENT FOR ACOUSTIC PANELS

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

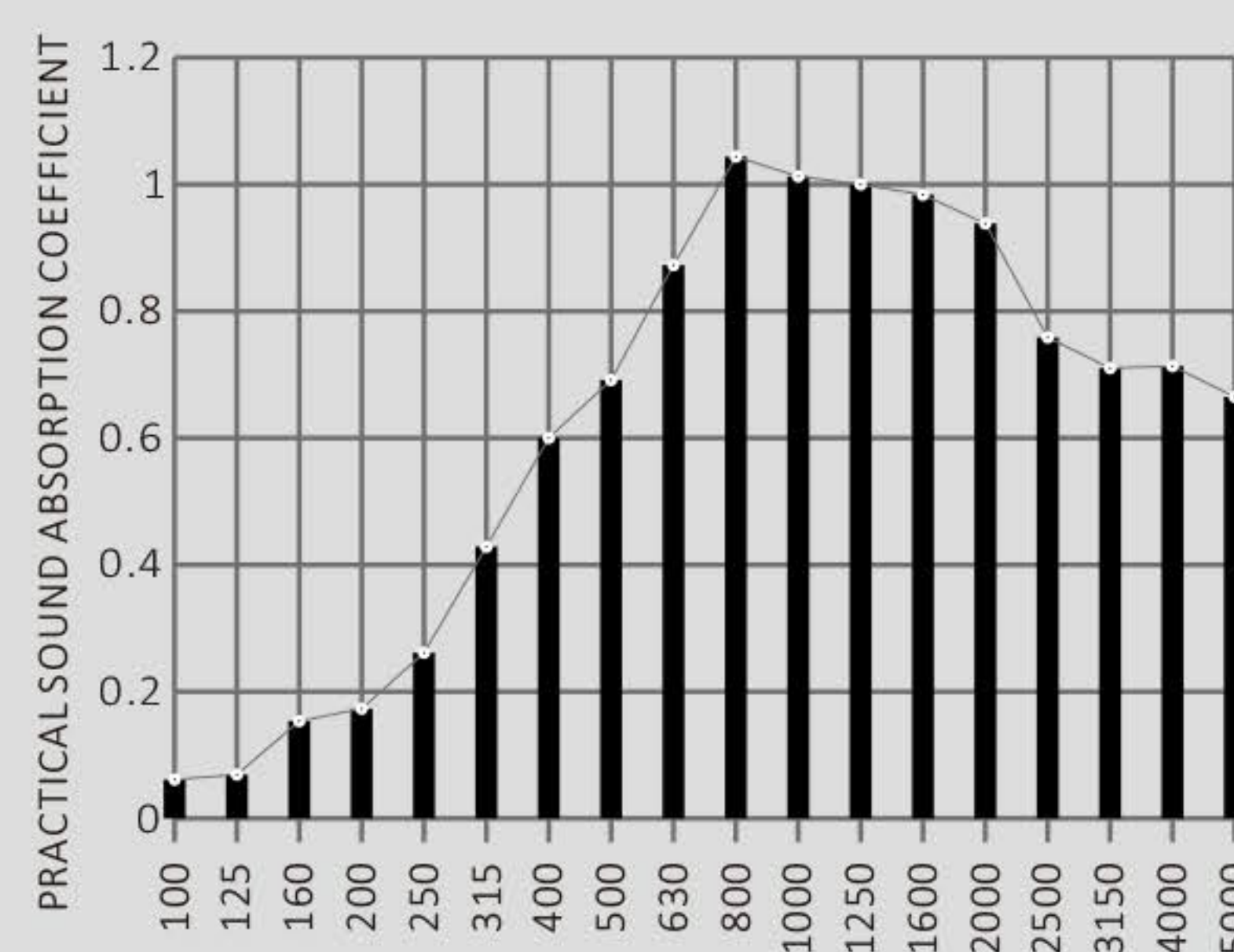
Panel mounted directly to the wall



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).

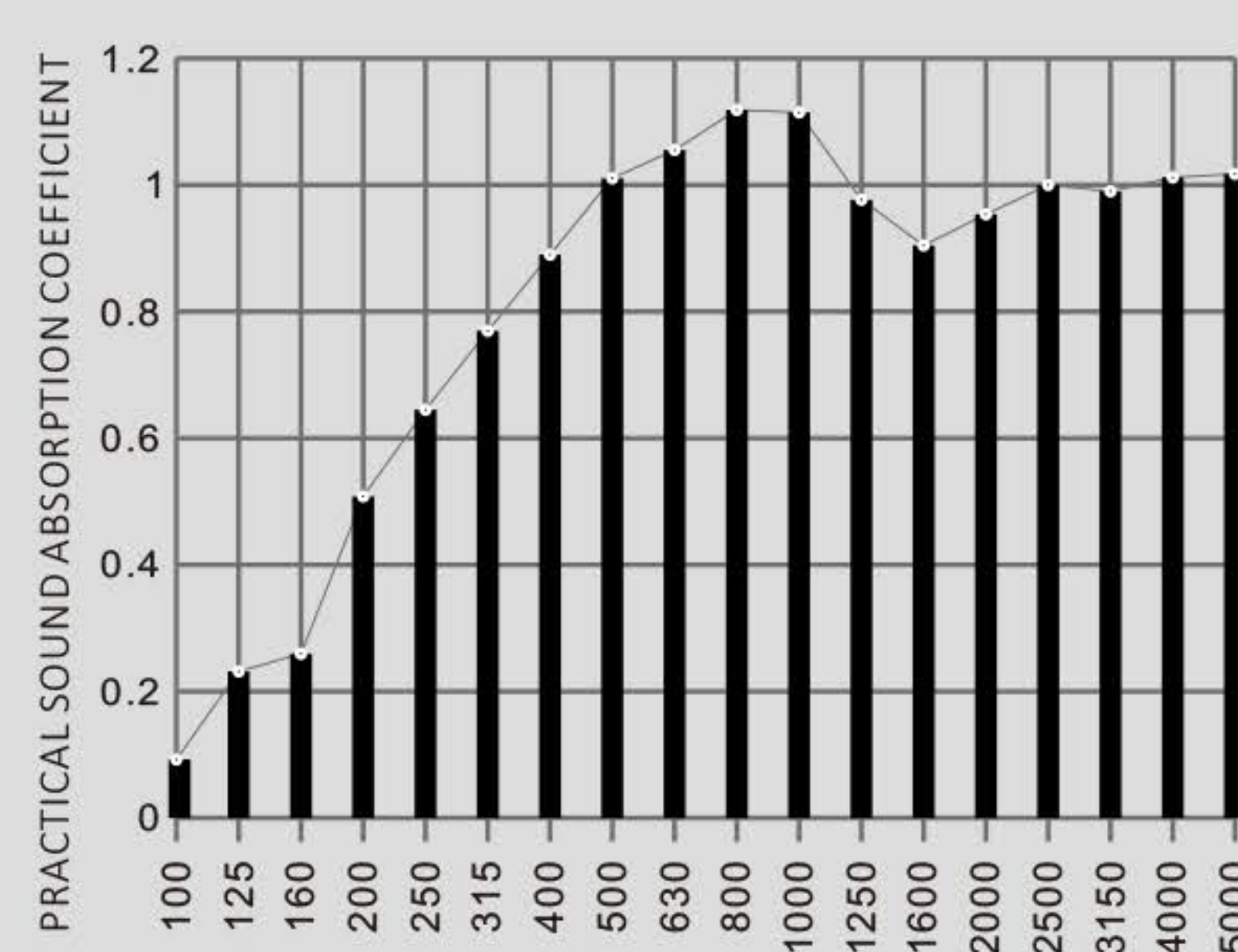
Panel mounted with 1.8" timber batons spacing and mineral wool insulation



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# Slnor Oak



9# Black Oak



10# Oak



11# Black Walnut



12# Teak



13# classic oak



14# Light Oak



15# Grey Oak



16# Oiled Oak



17# Deep Dark



18# -B2994



19# black oak



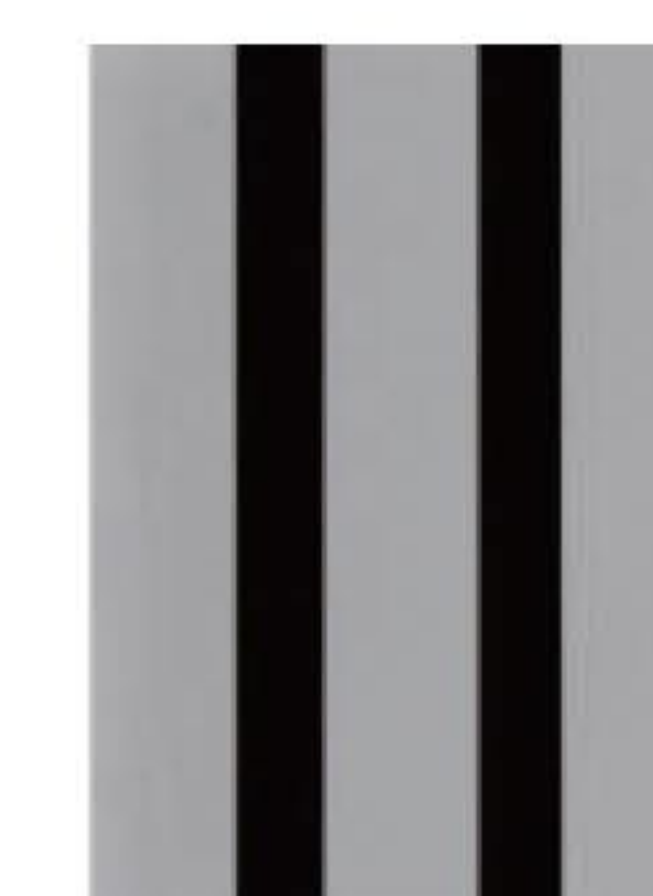
20#



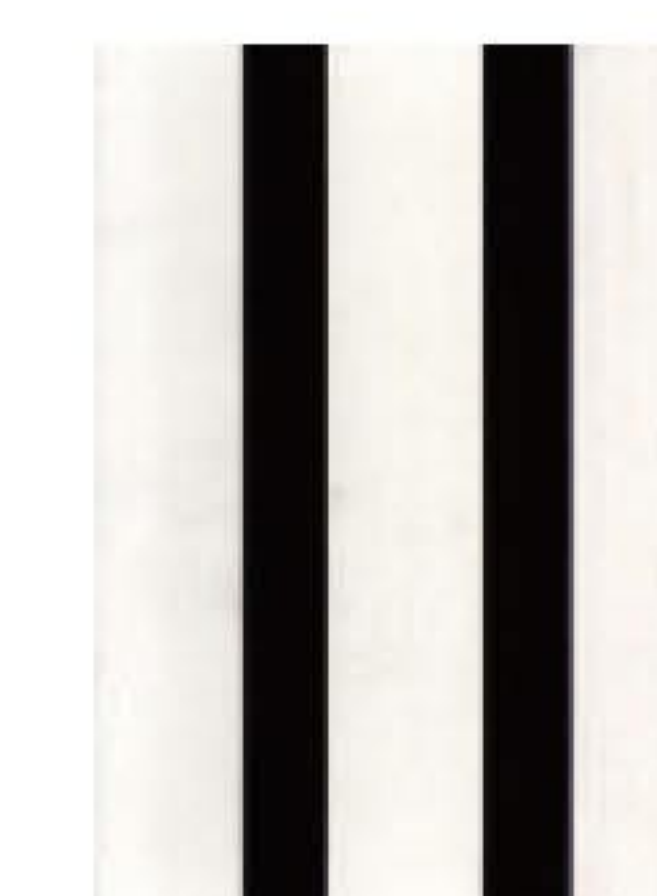
1699S



UV-Black



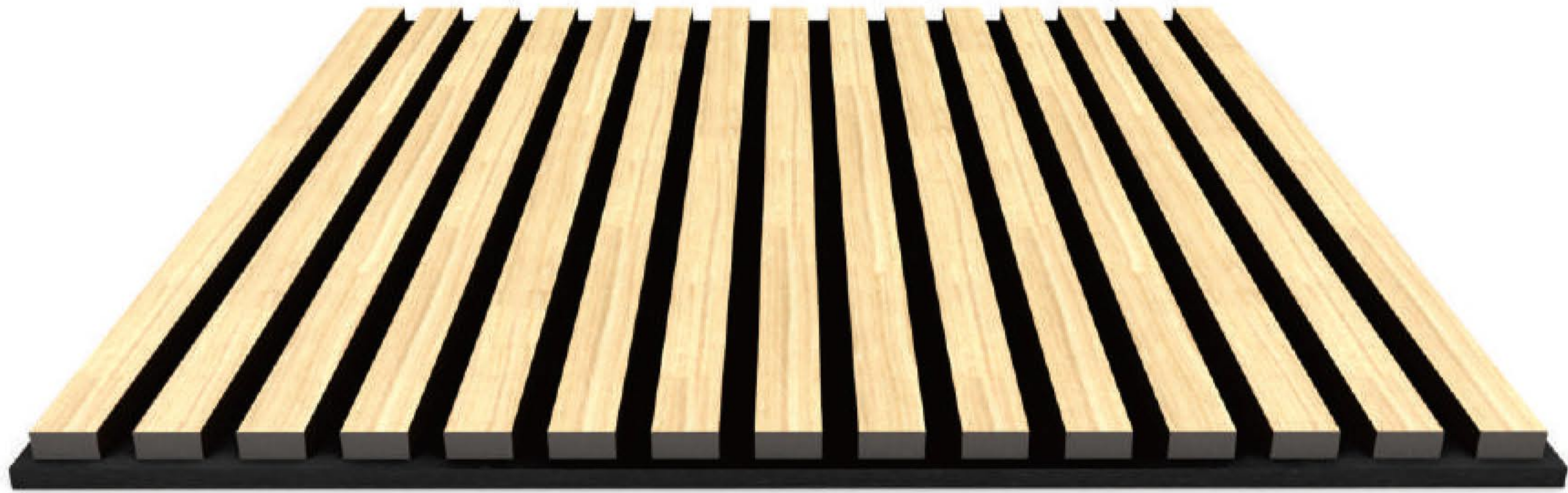
UV-Grey



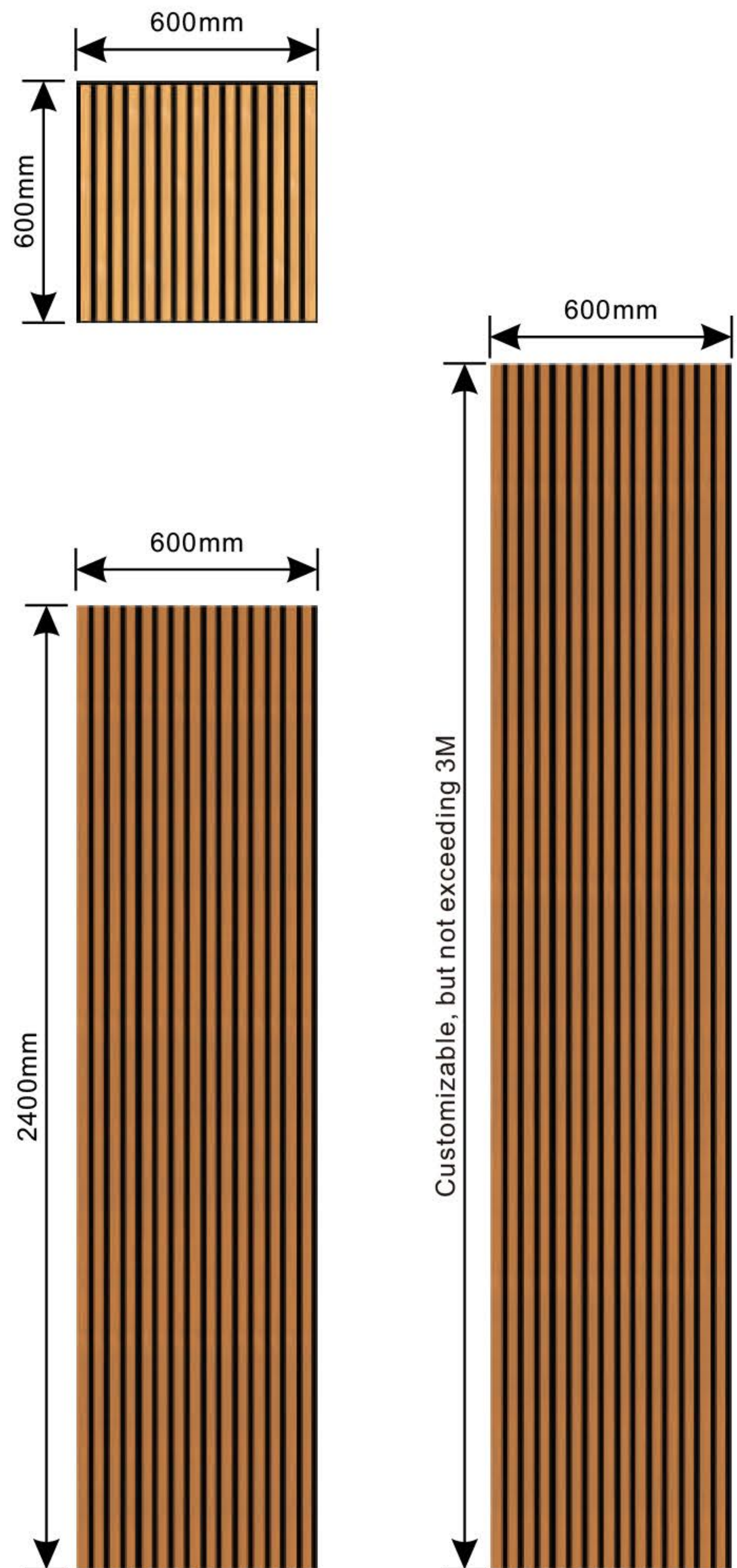
UV-White

COLOR

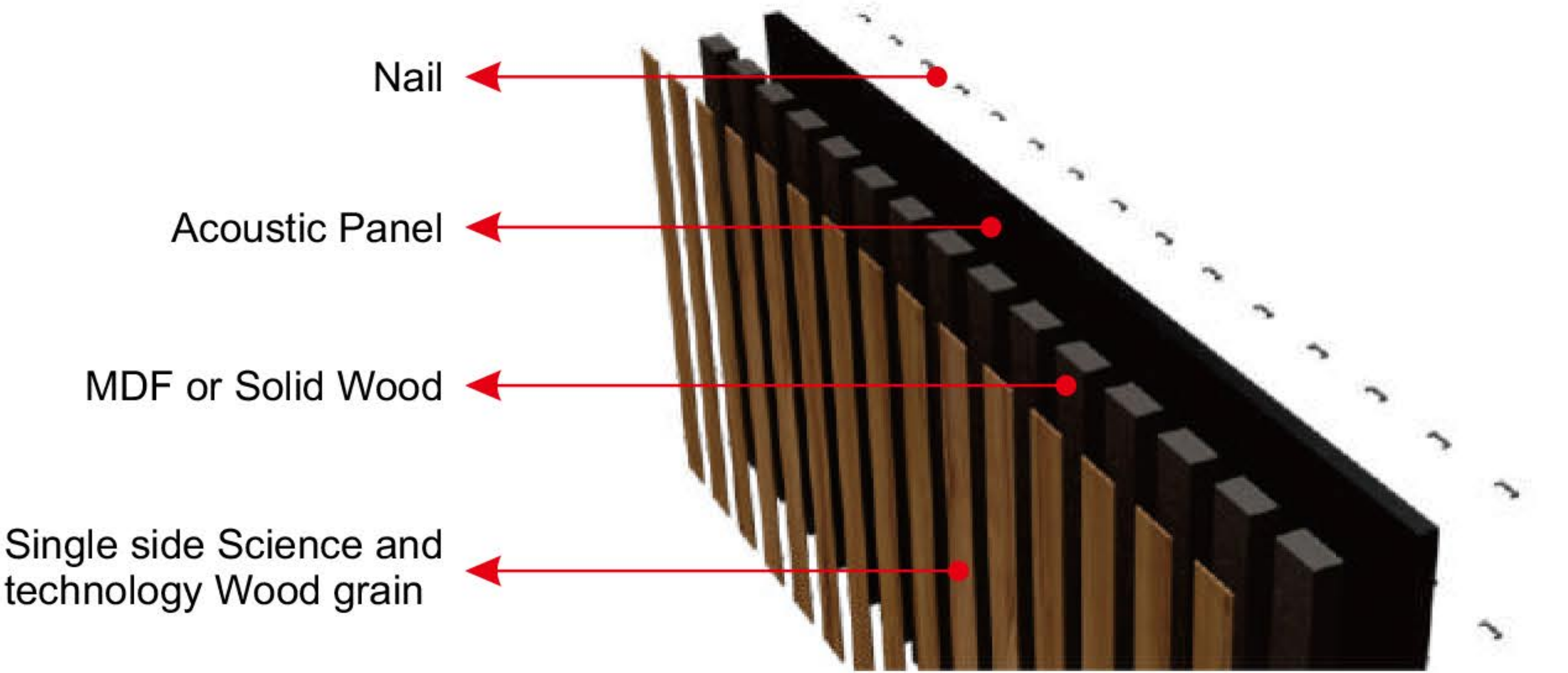
SINGLE WOOD VENEER ACOUSTIC SLAT PANEL



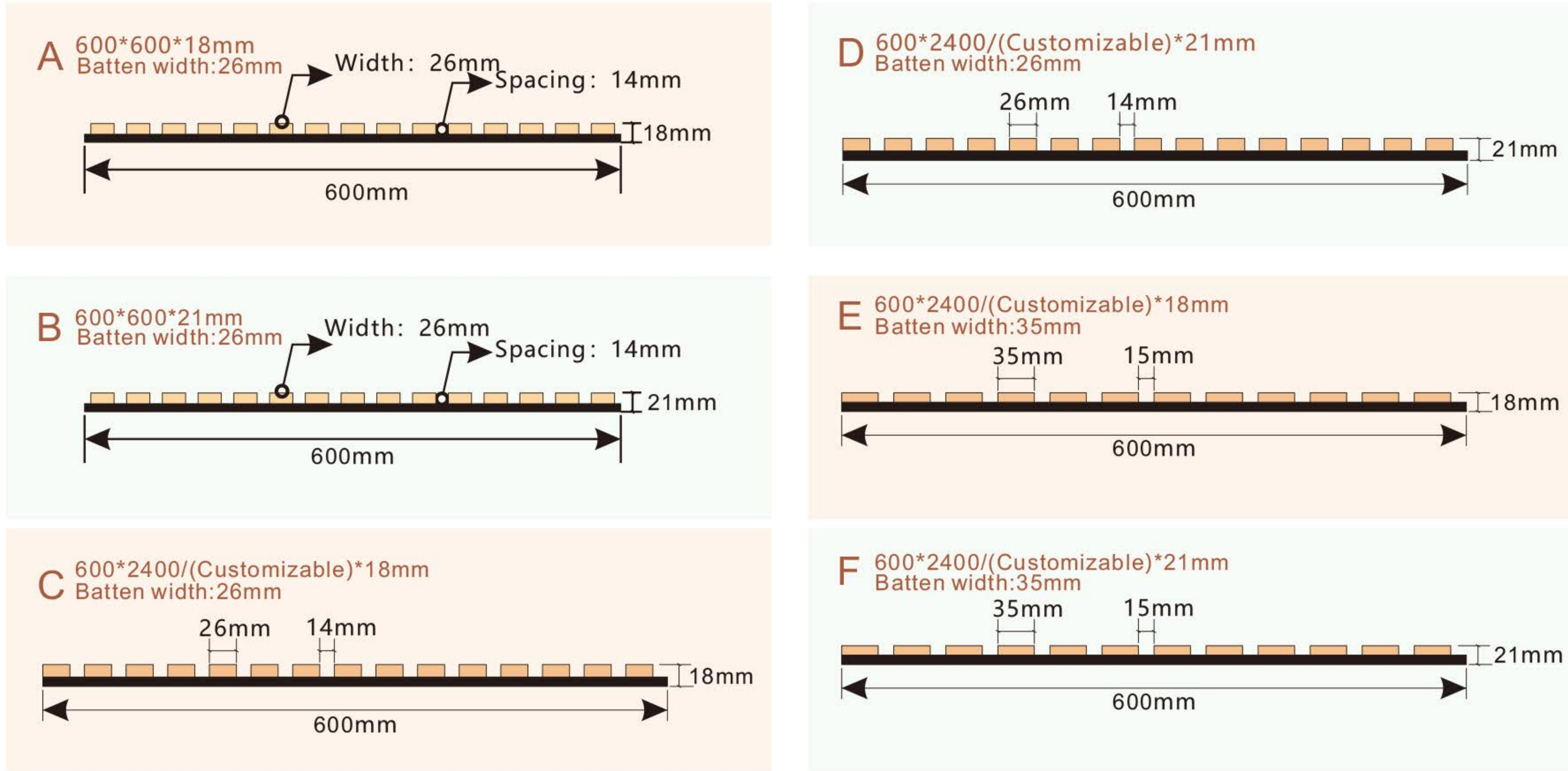
NORMAL SIZE



PRODUCT STRUCTURE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS



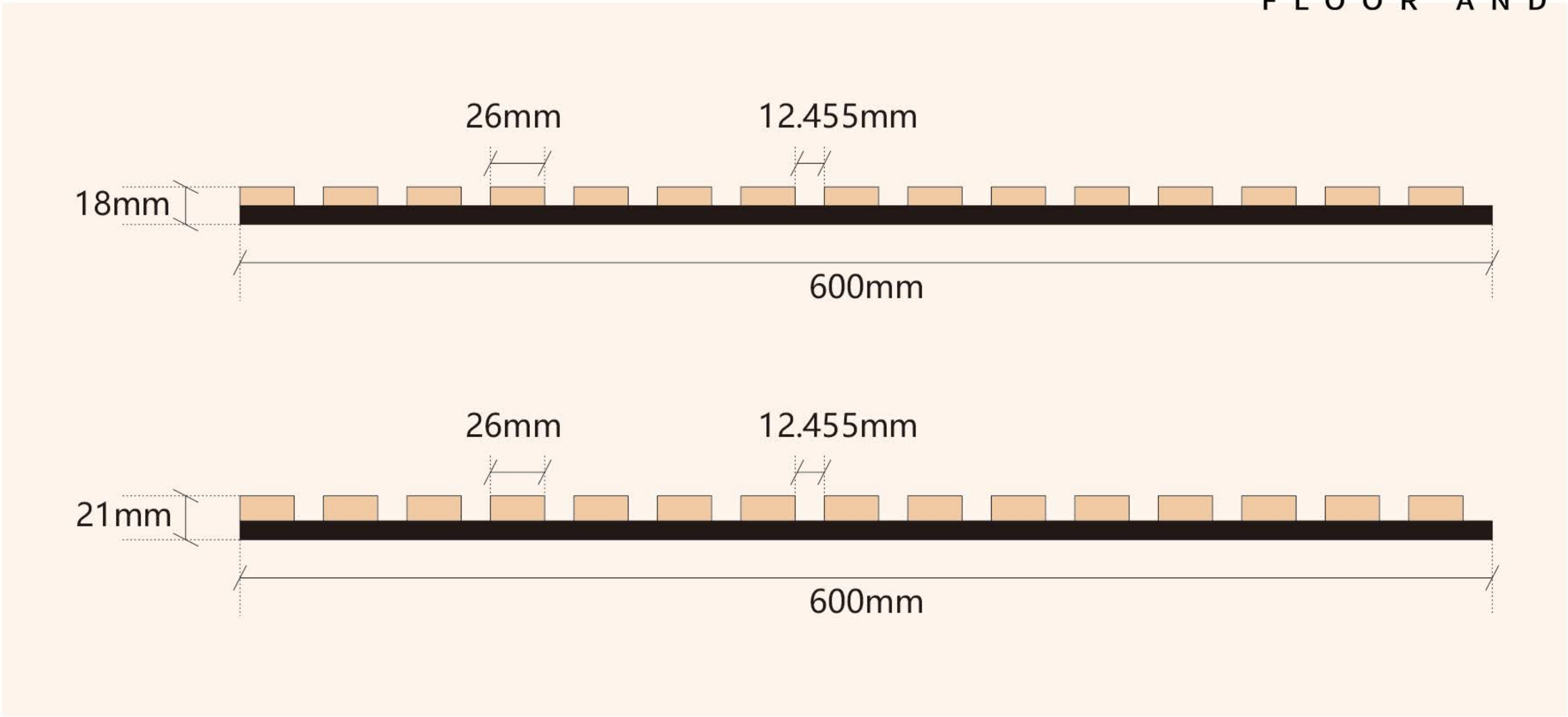
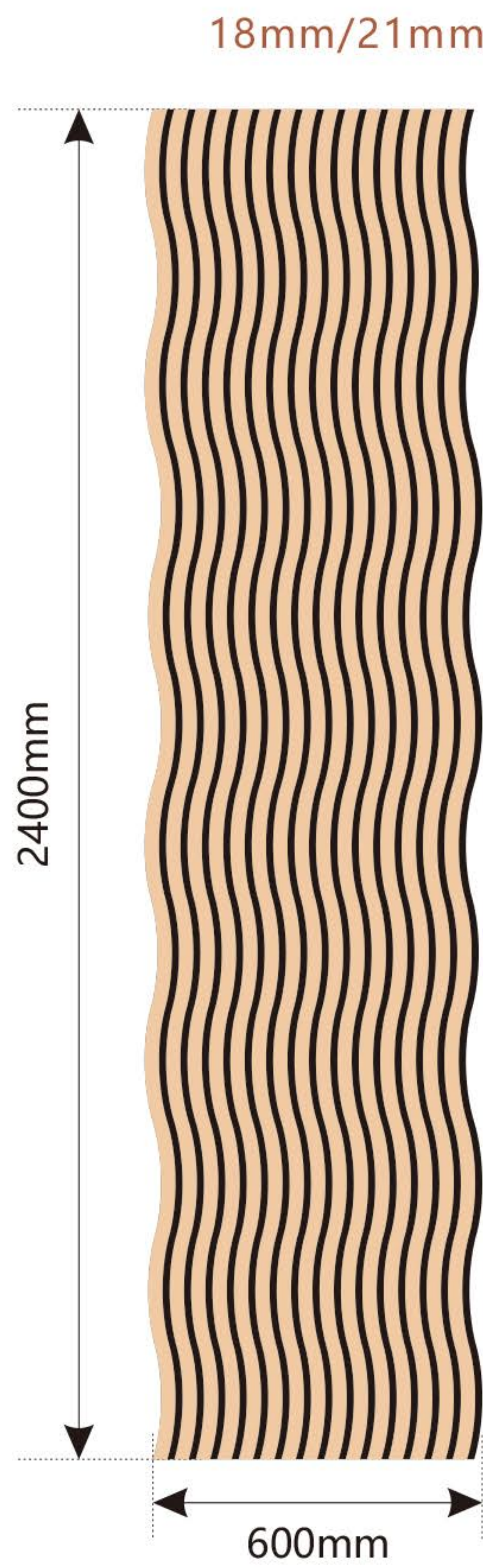
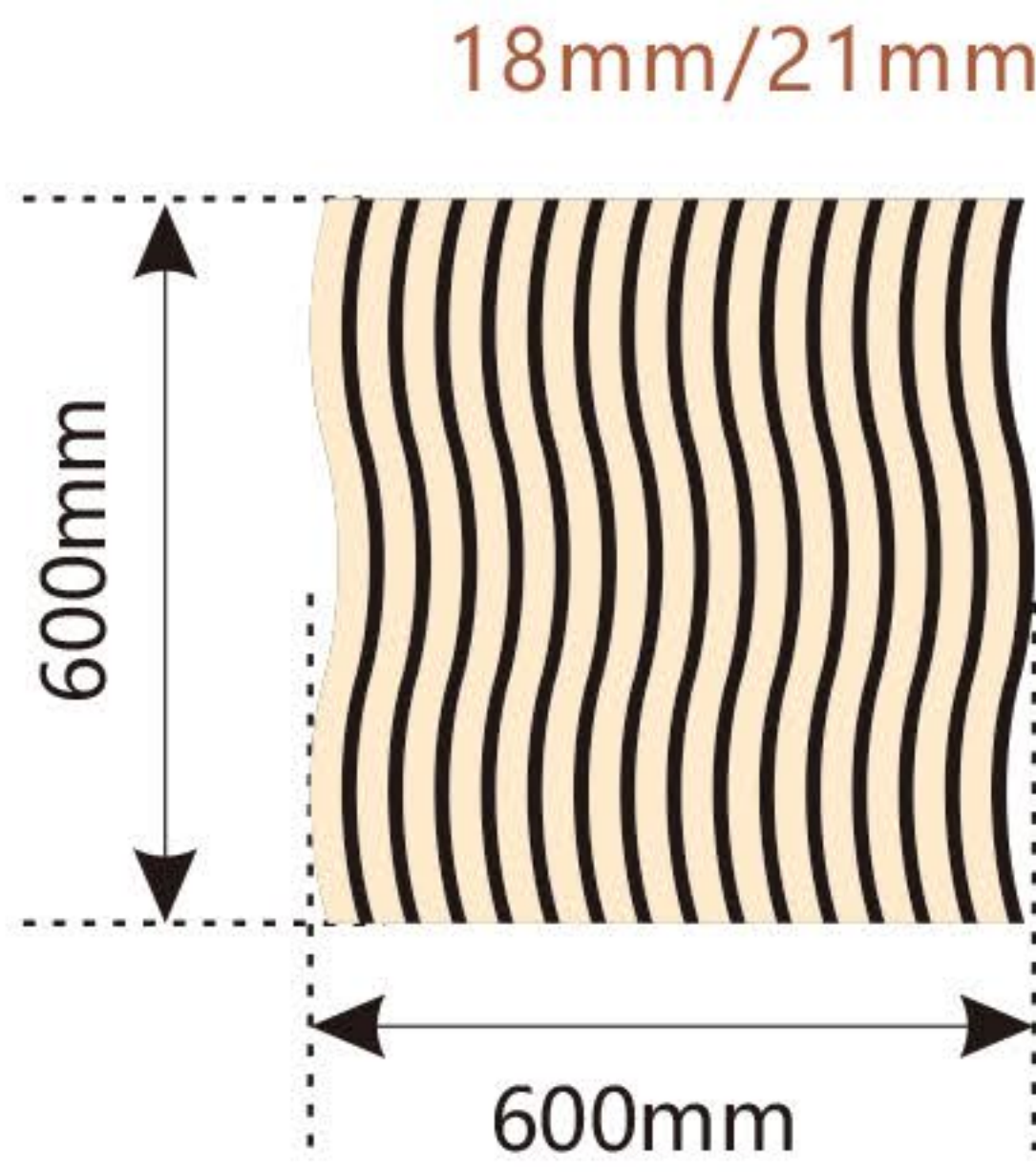
CURVE GRID PLATE

Polyester Fiber Decorative Slat Panel

THGF-BL

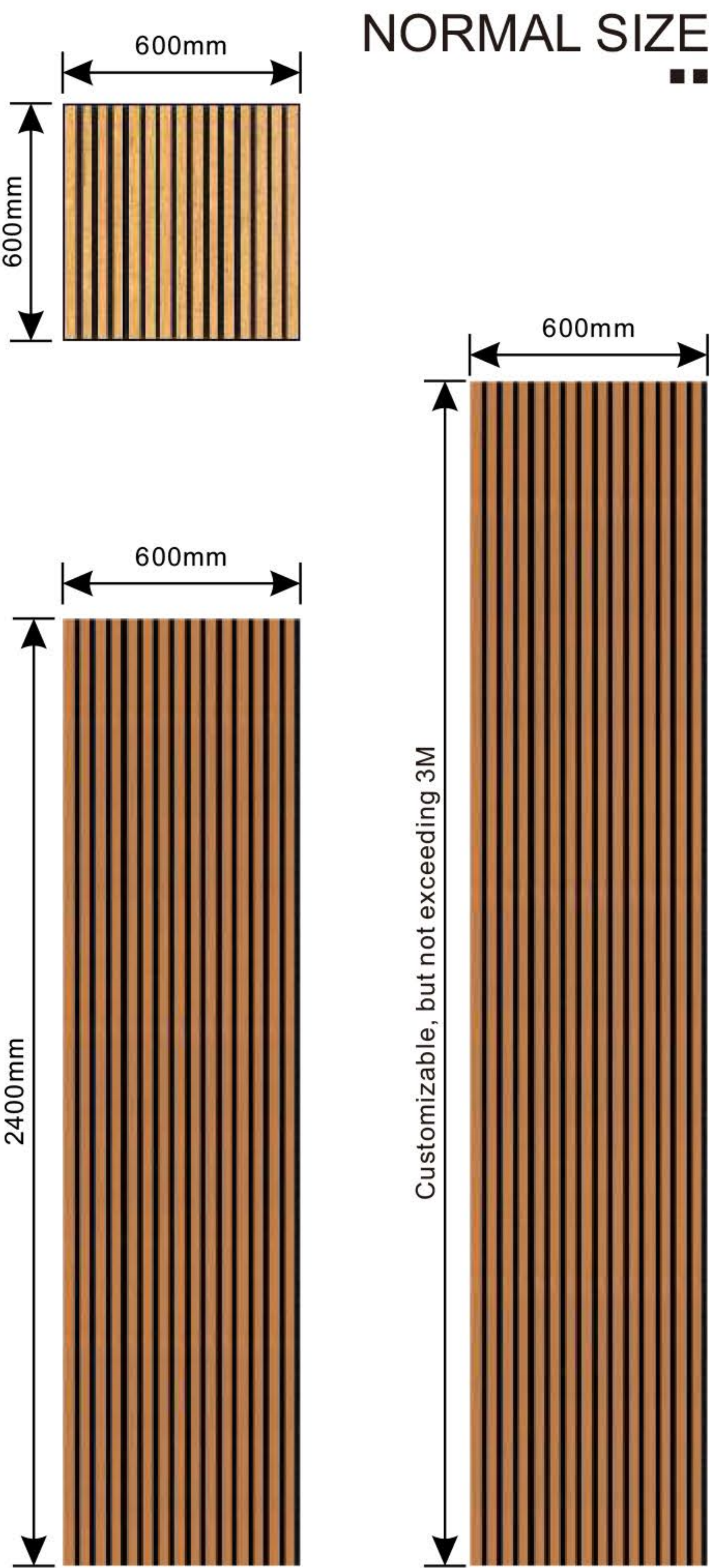


NORMAL SIZE ■■

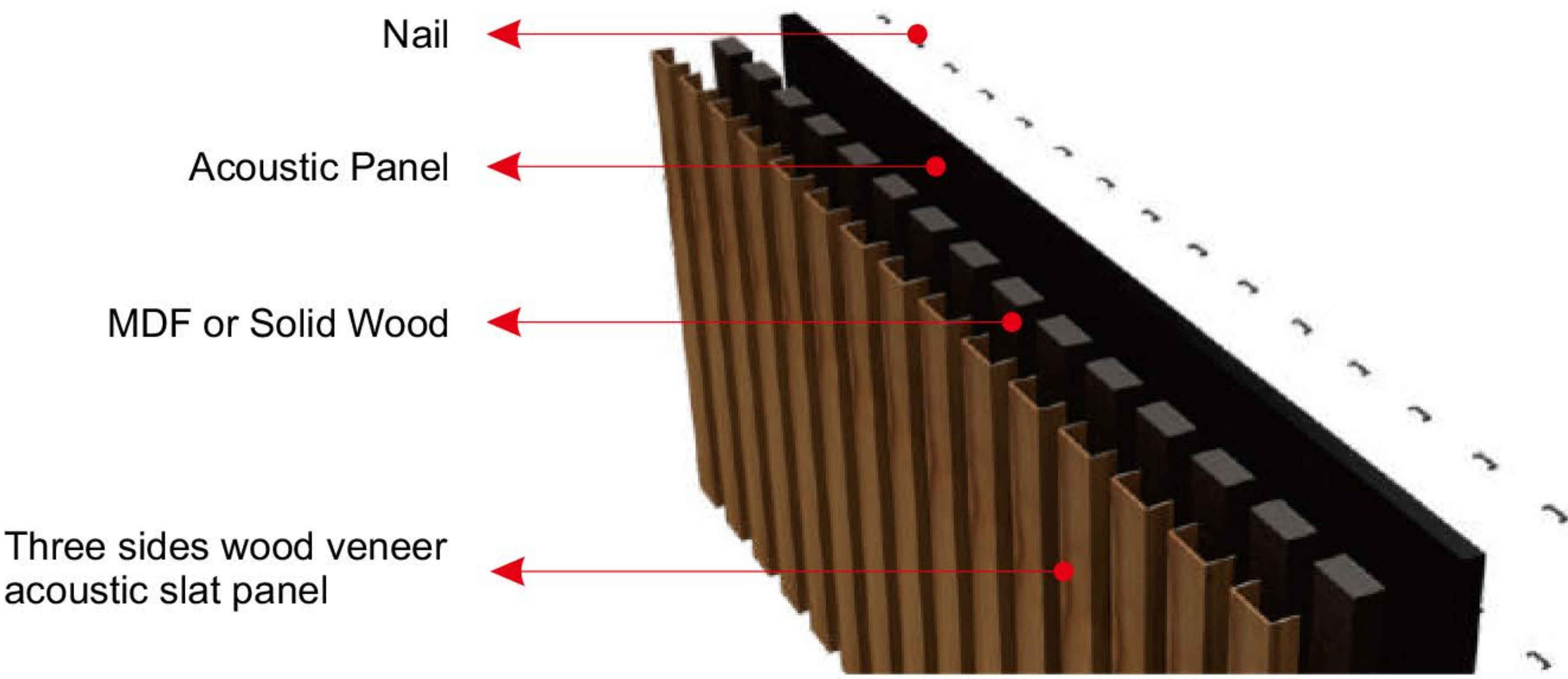


THREE SIDES WOOD VENEER ACOUSTIC SLAT PANEL

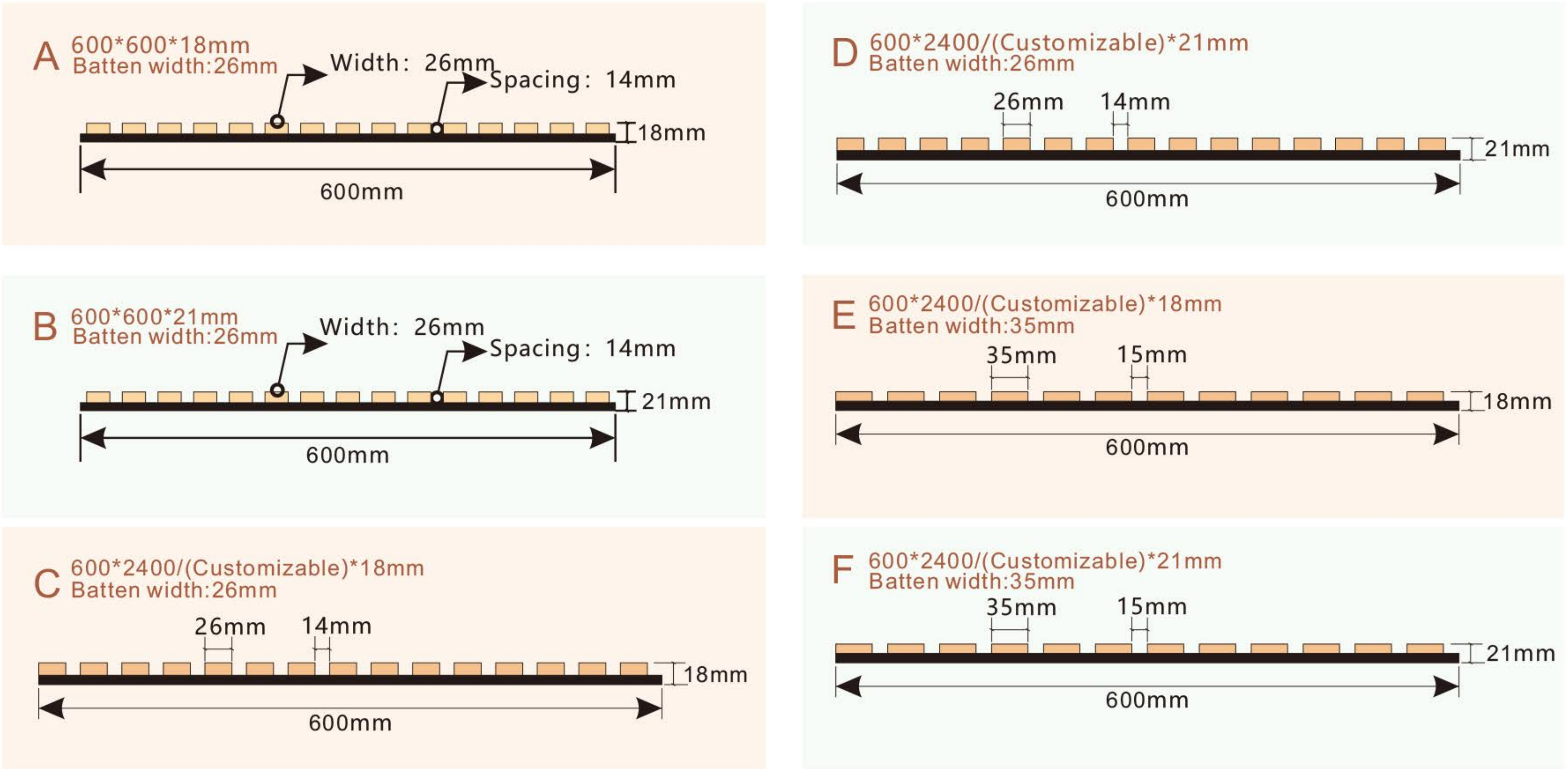
THGF-3S



PRODUCT STRUCTURE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS



ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

THGF-RZ

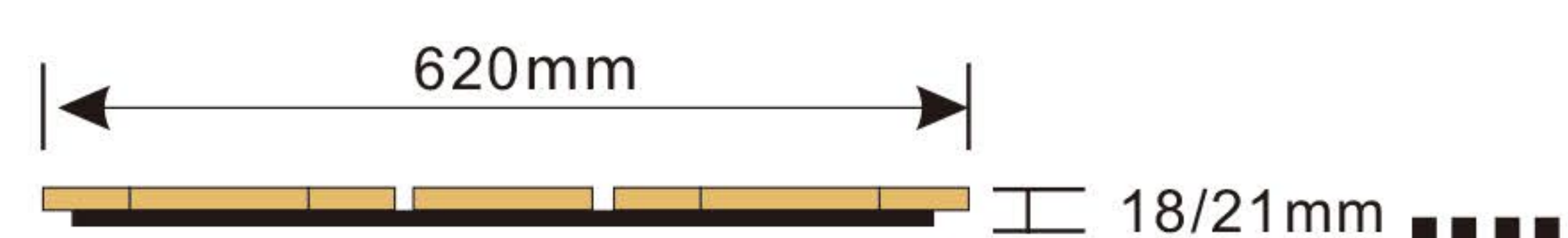
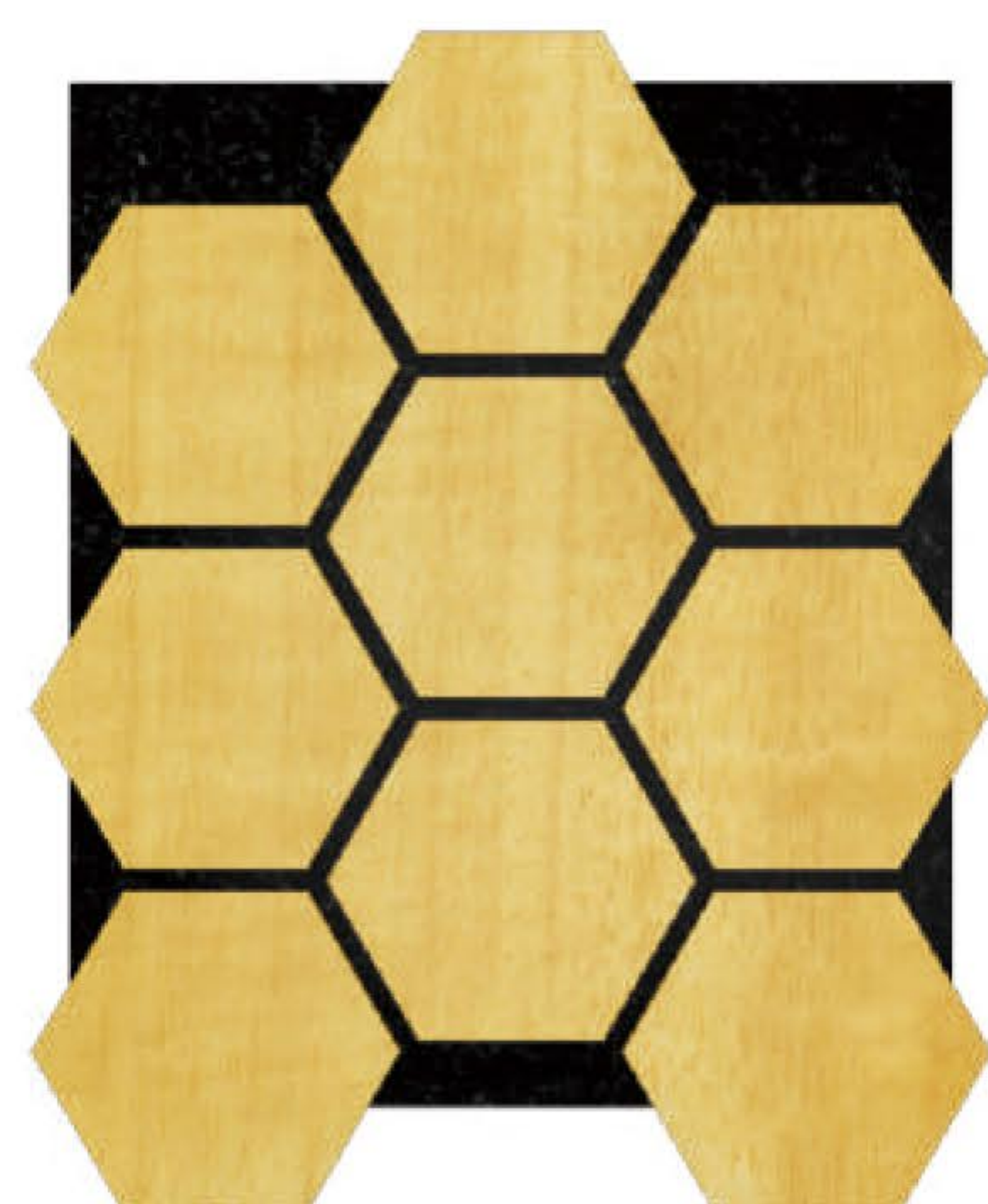
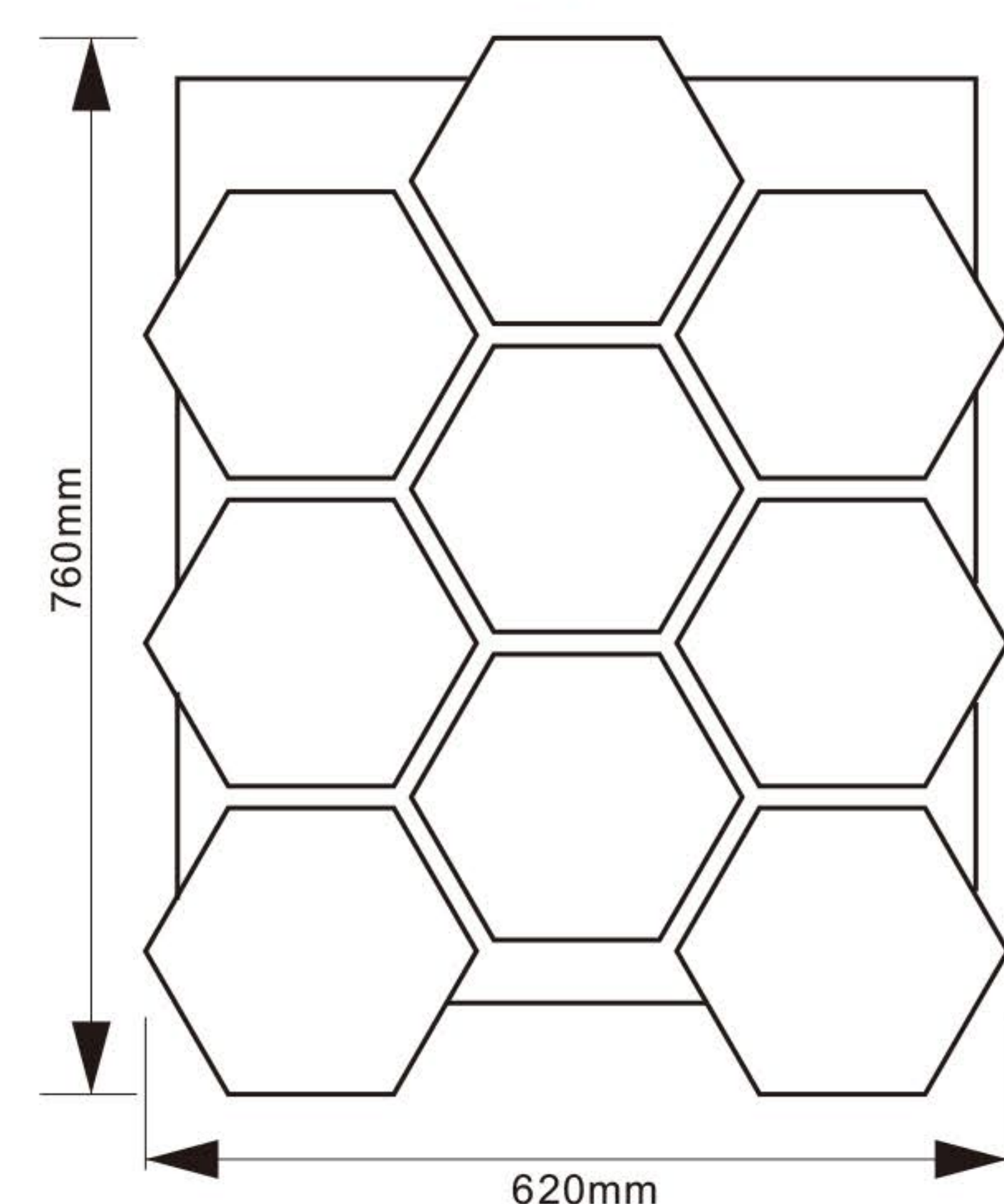
NORMAL SIZE



ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

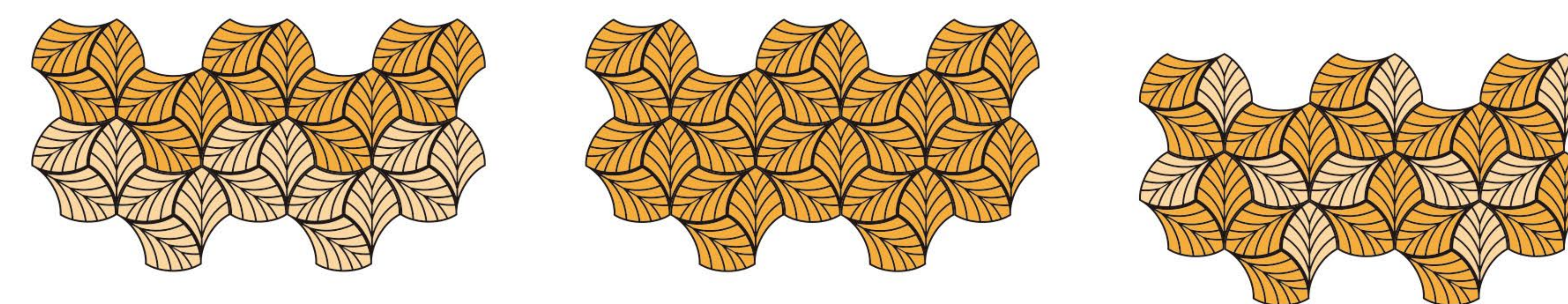
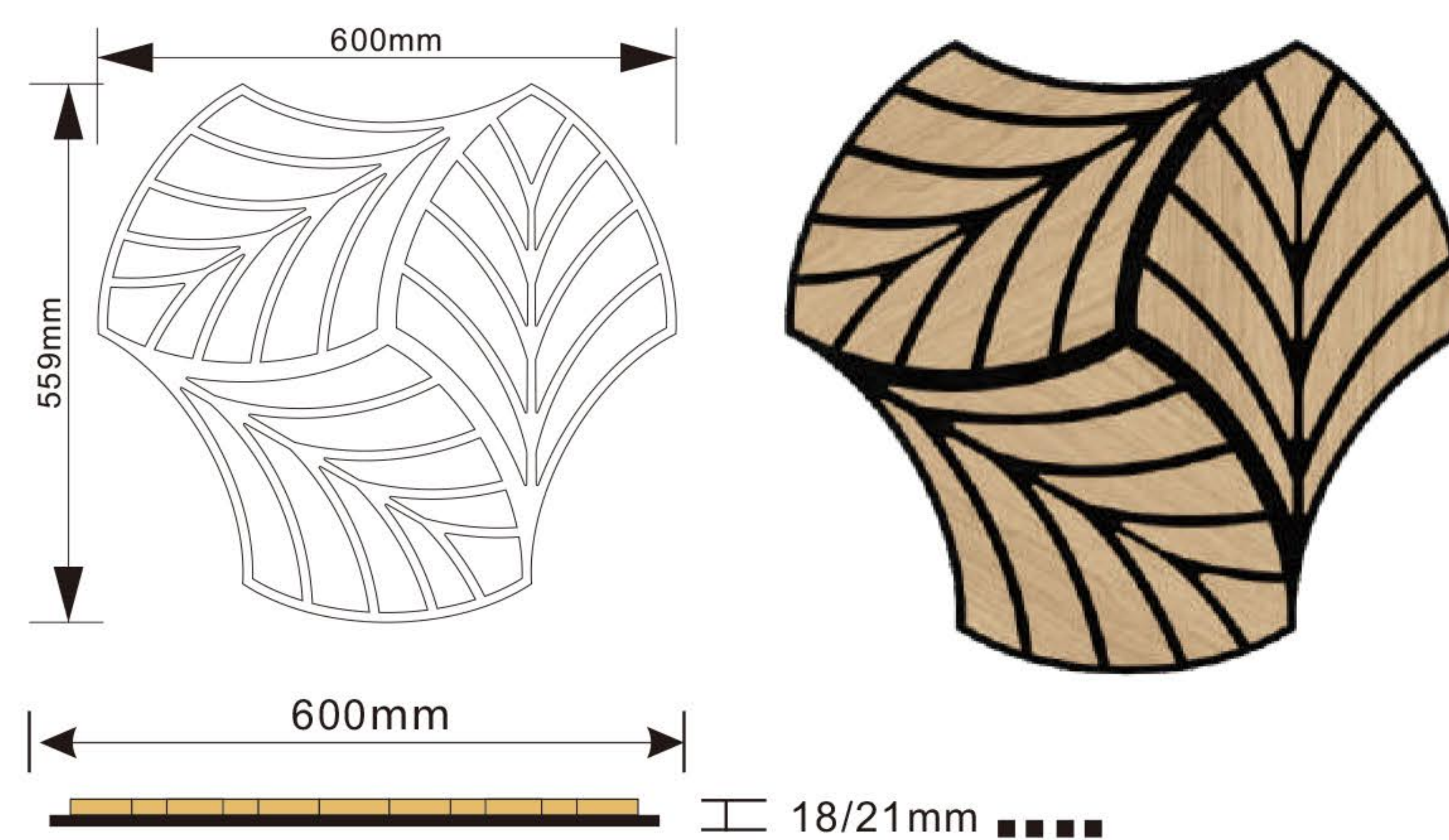
THGF-ZH6
NORMAL SIZE



ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

THGF-YZ
NORMAL SIZE



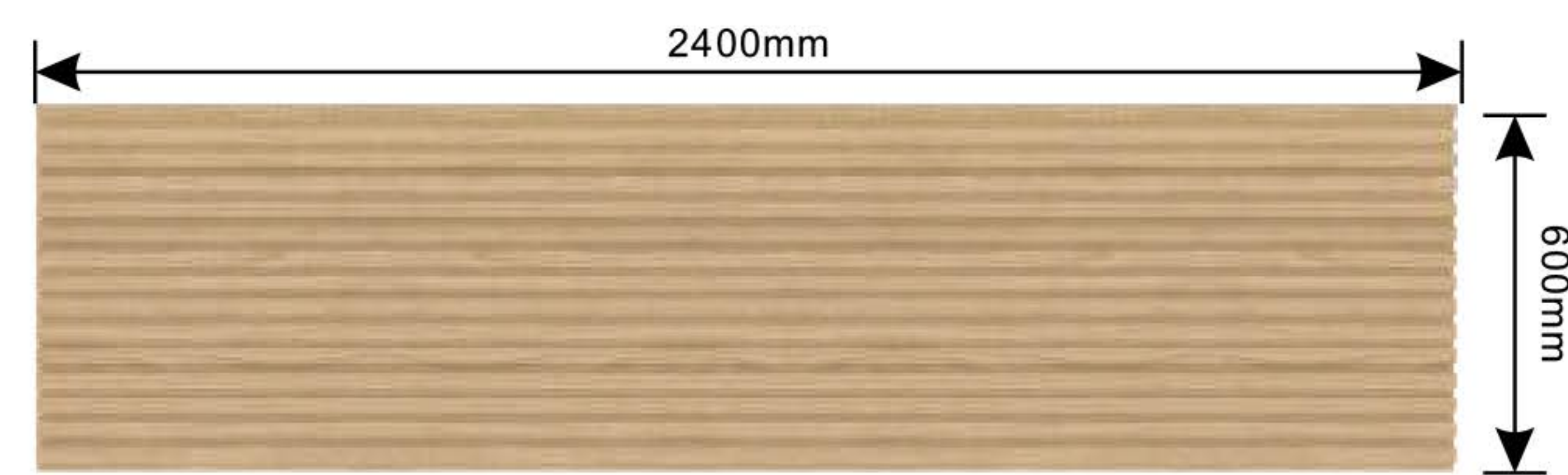
ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

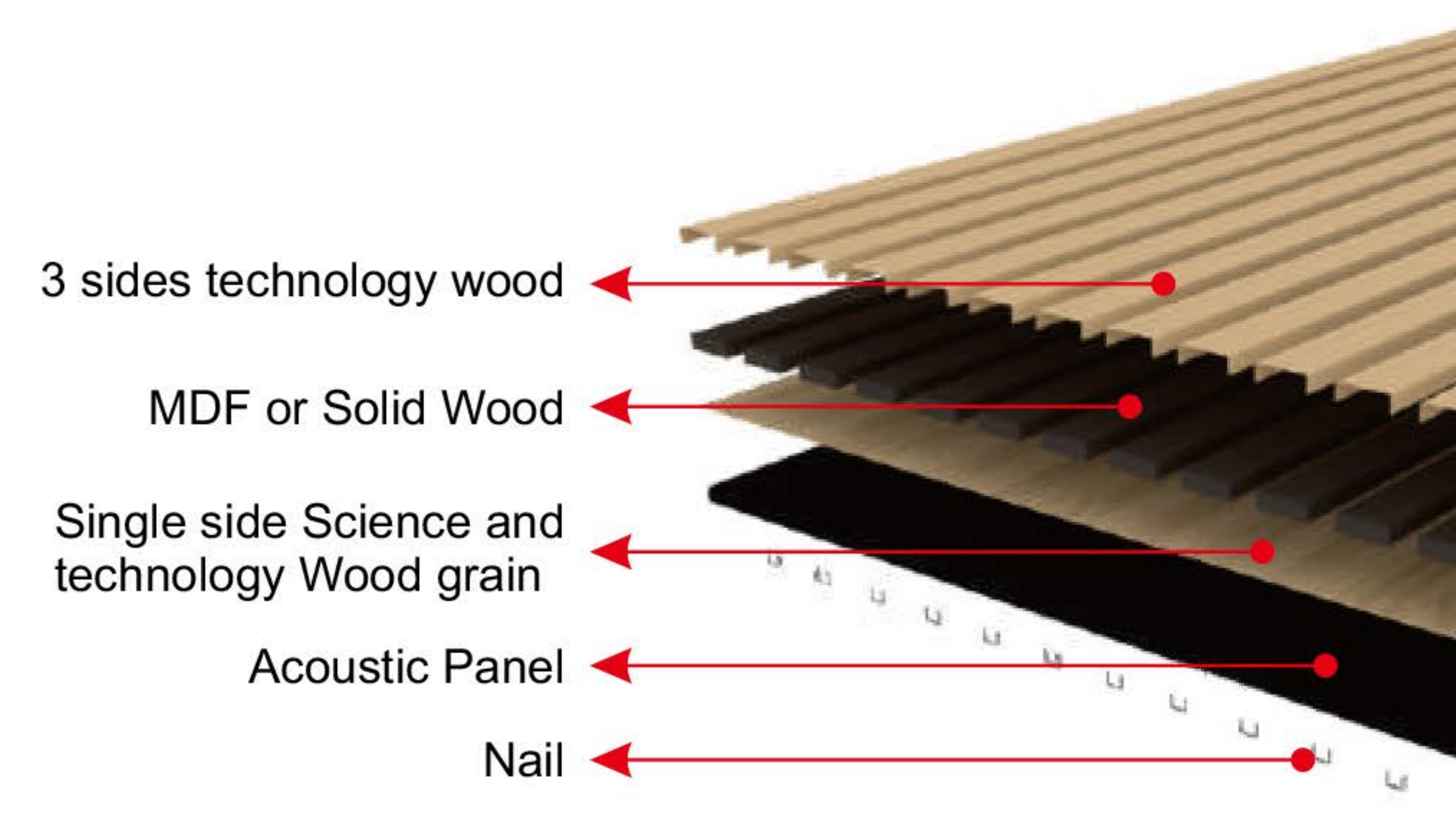
THGF-TDS



NORMAL SIZE



PRODUCT STRUCTURE

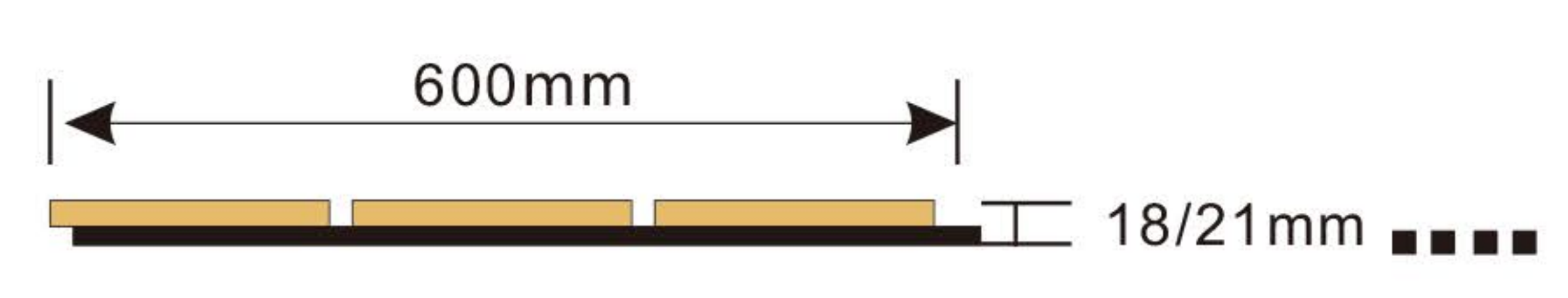
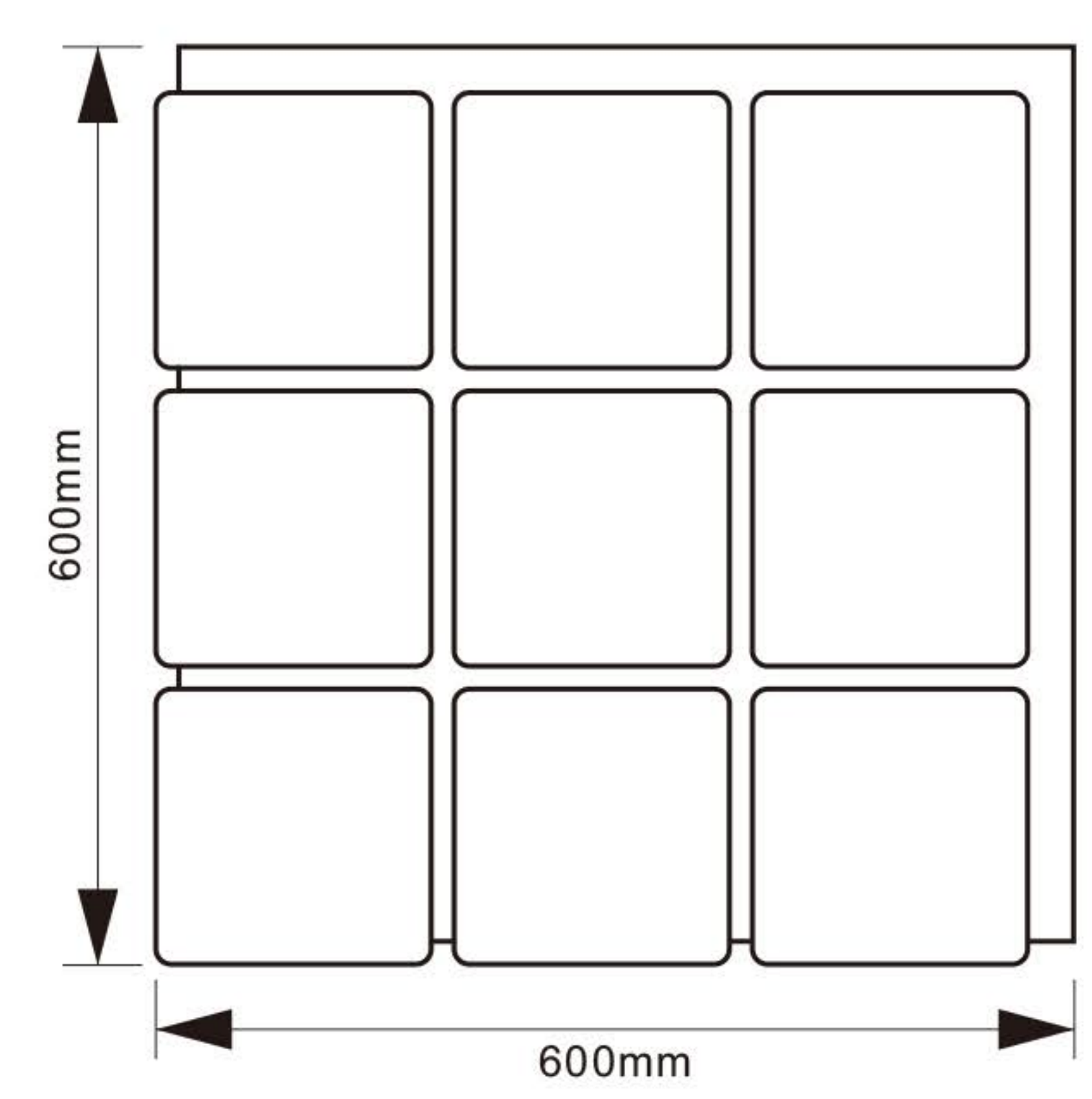


ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel

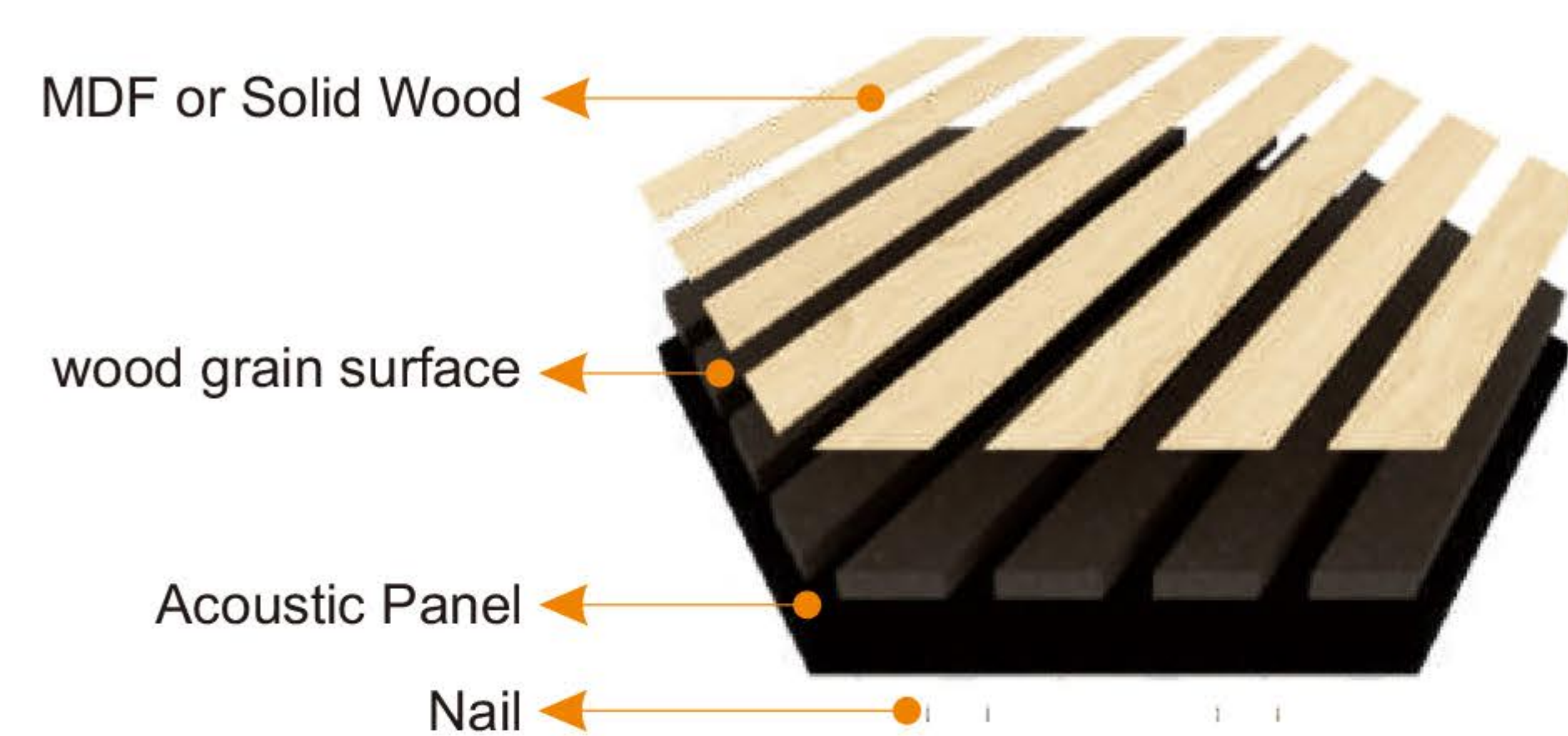
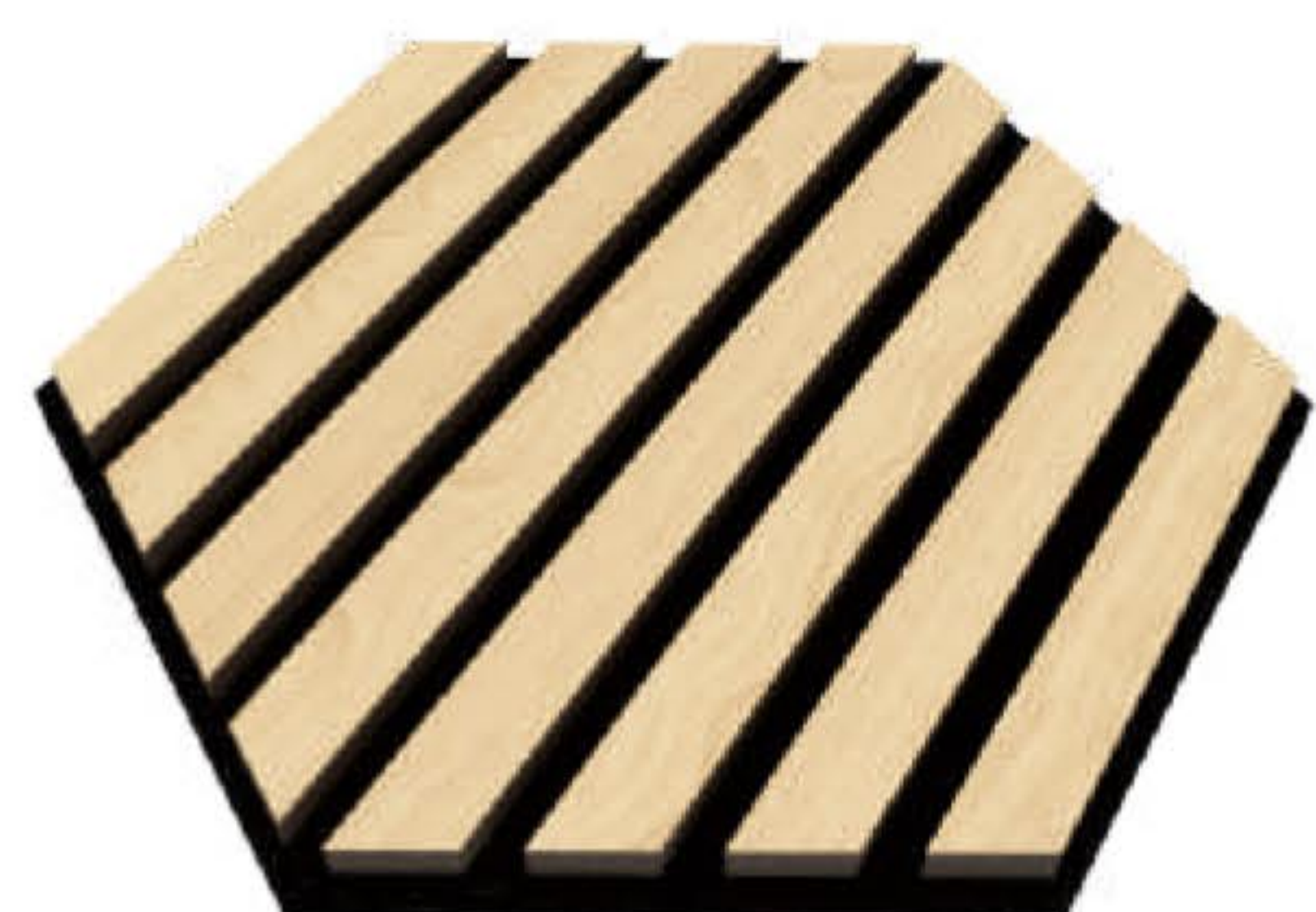
THGF-ZHZ

NORMAL SIZE

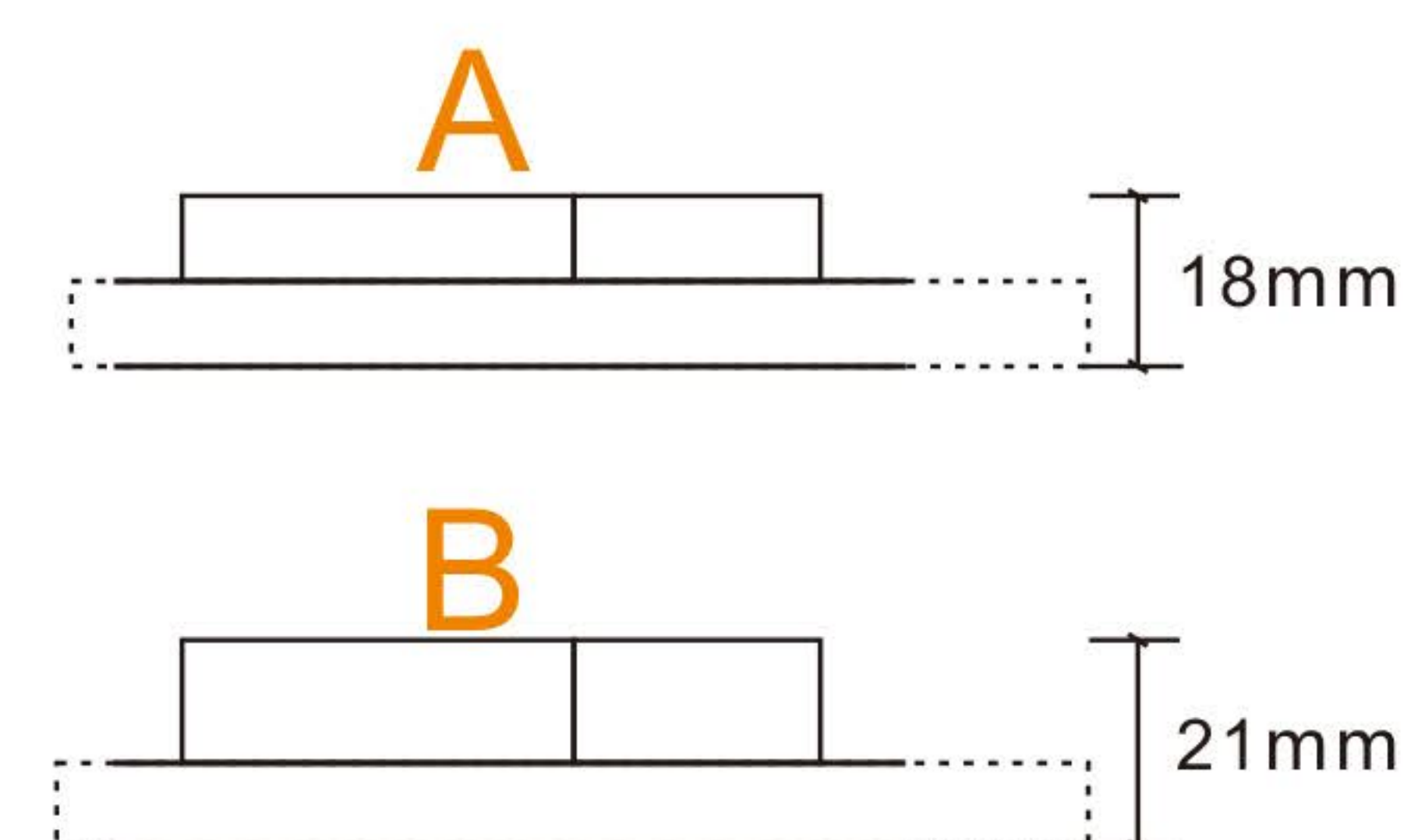
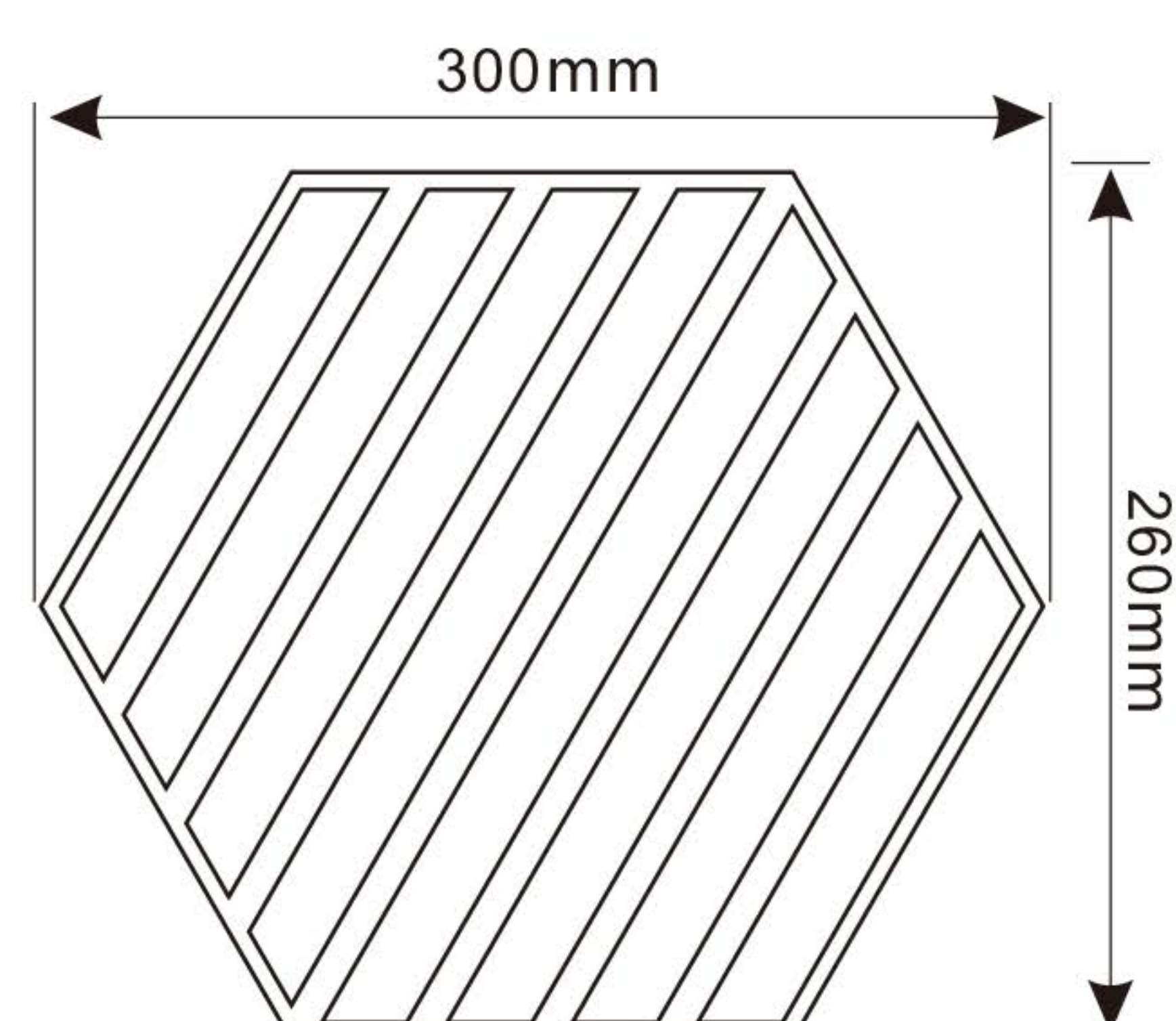


ACOUSTIC SLAT PANEL

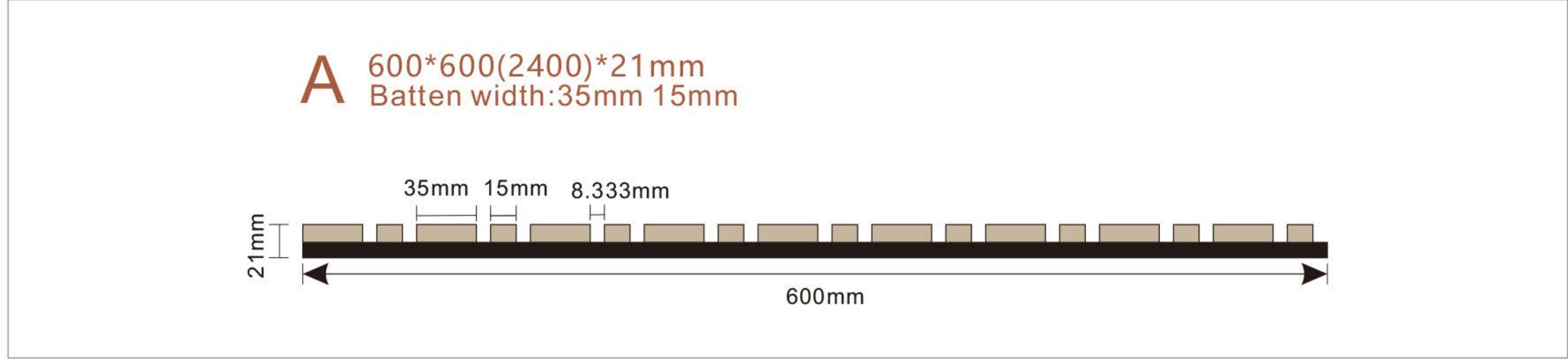
THGF-6B



NORMAL SIZE



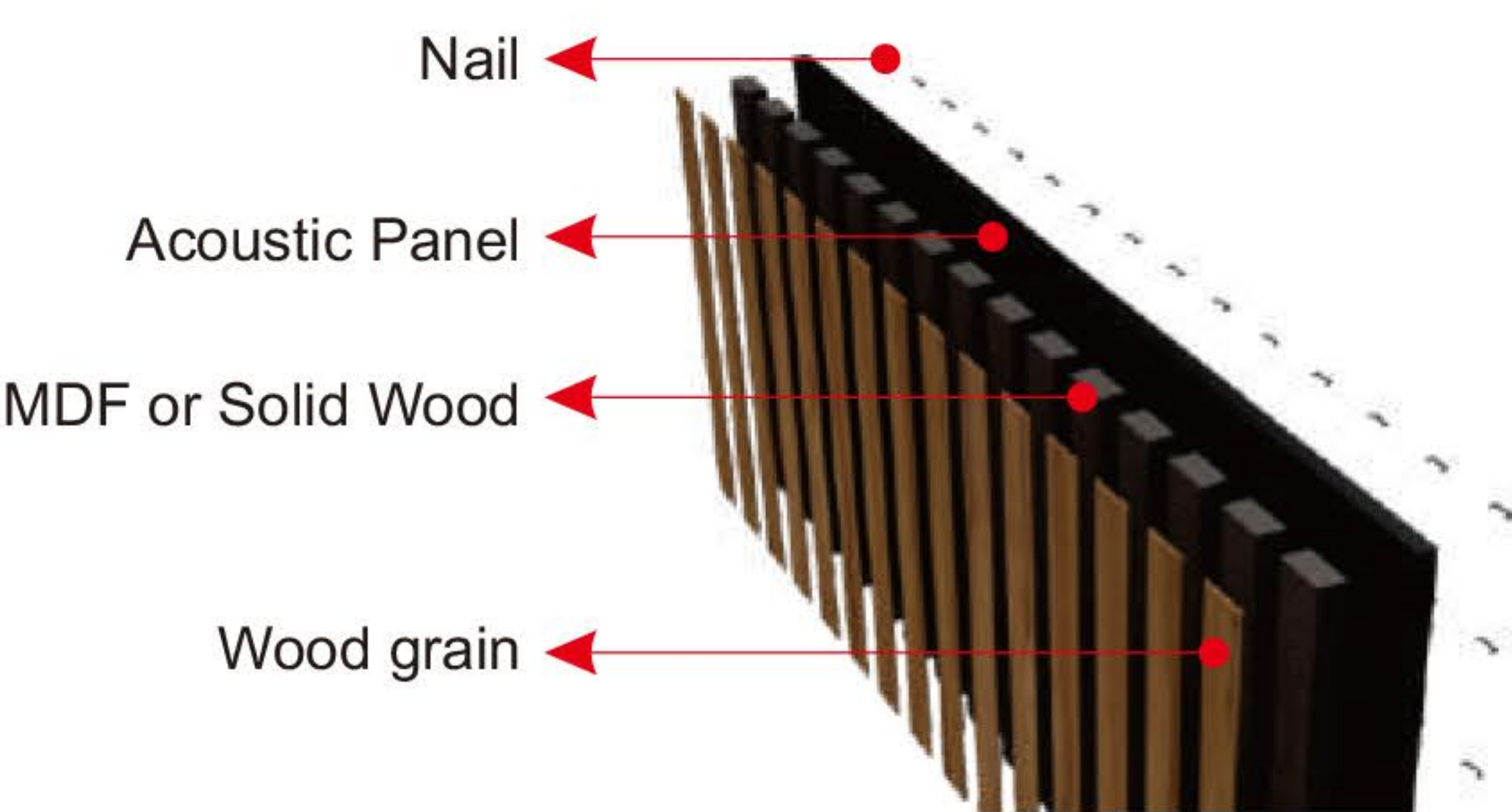
DETAILED DRAWINGS OF PRODUCT DIMENSIONS



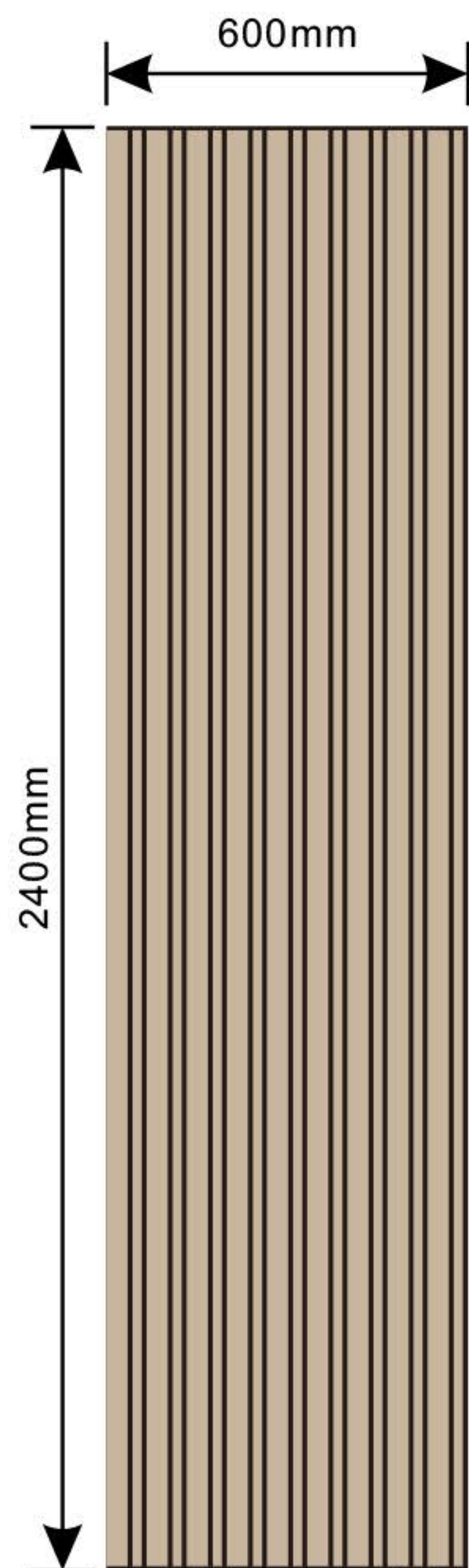
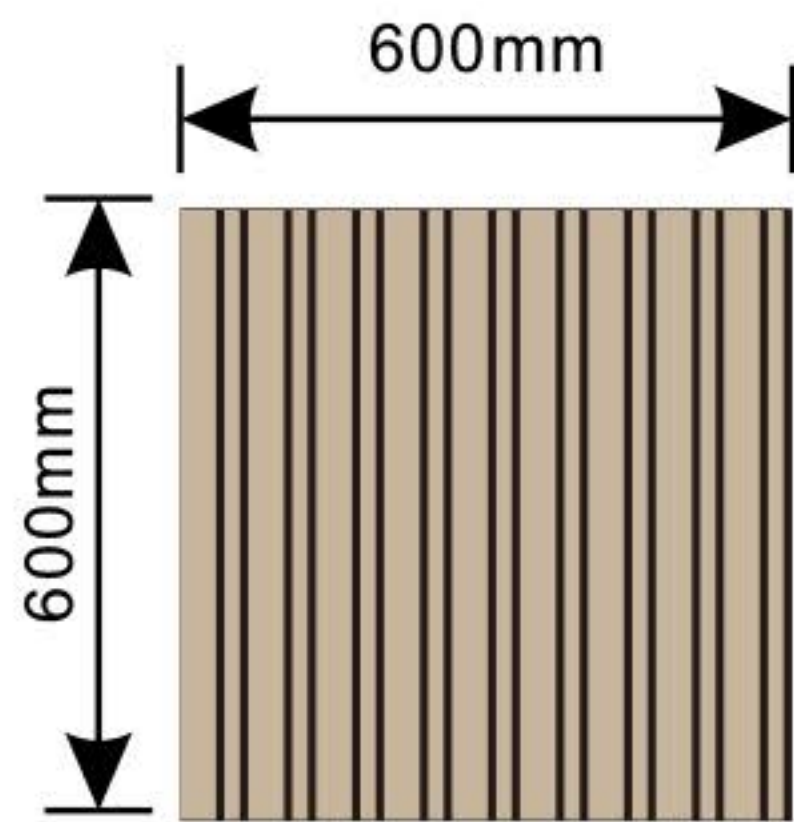
ACOUSTIC SLAT PANEL

THGF-DX

PRODUCT STRUCTURE



NORMAL SIZE



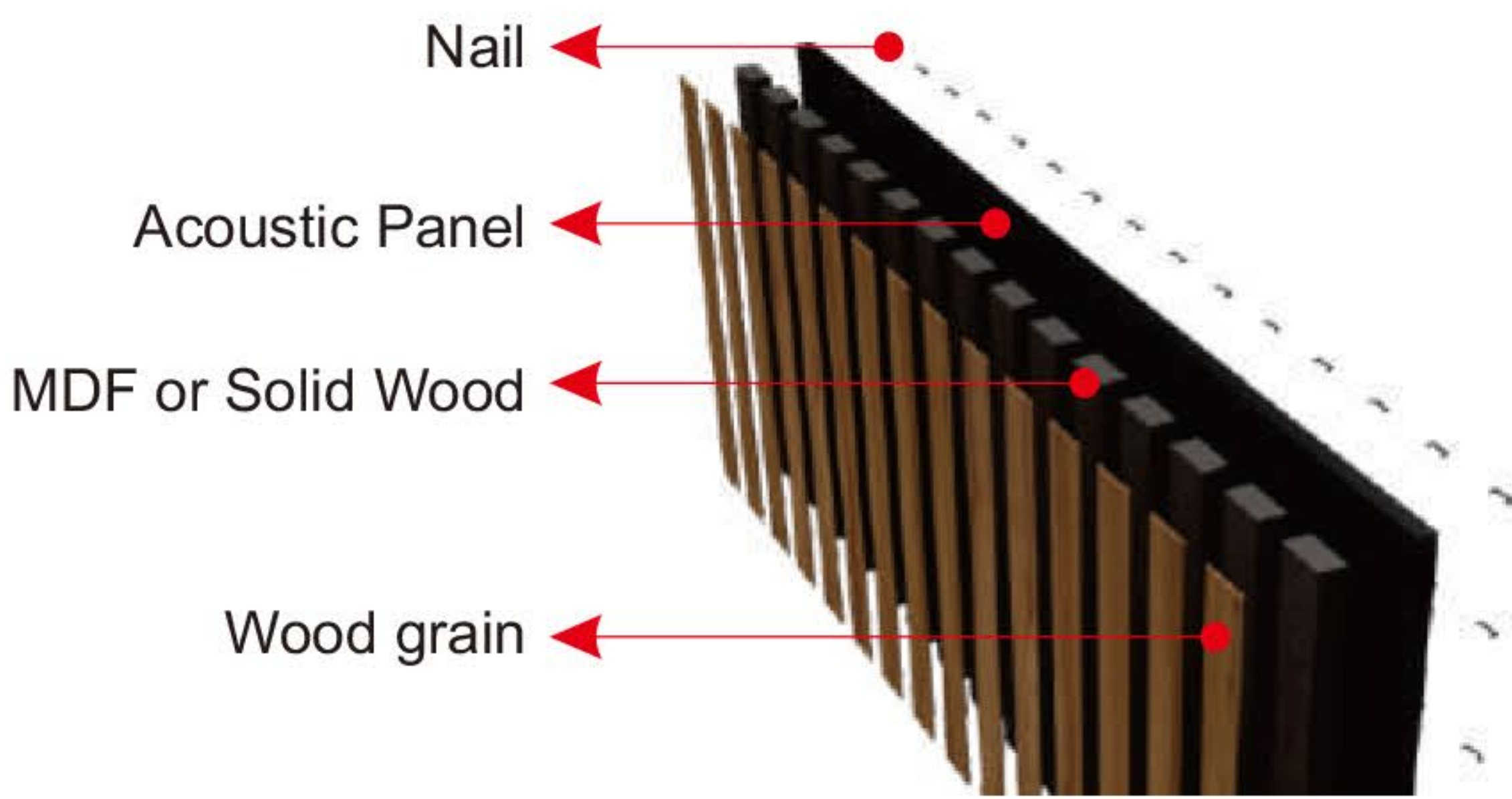
DETAILED DRAWINGS OF PRODUCT DIMENSIONS

ACOUSTIC SLAT PANEL

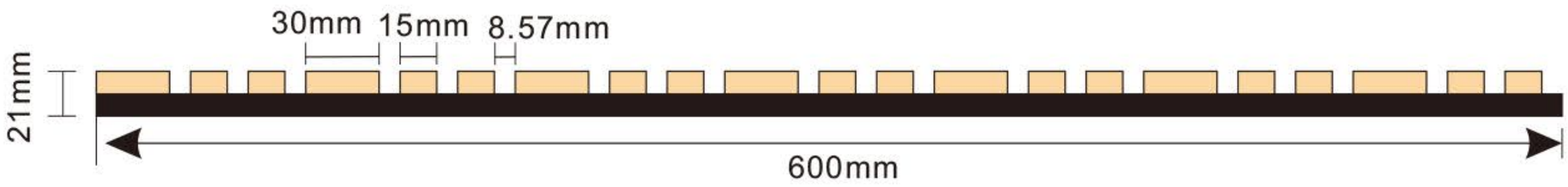
THGF-DXX



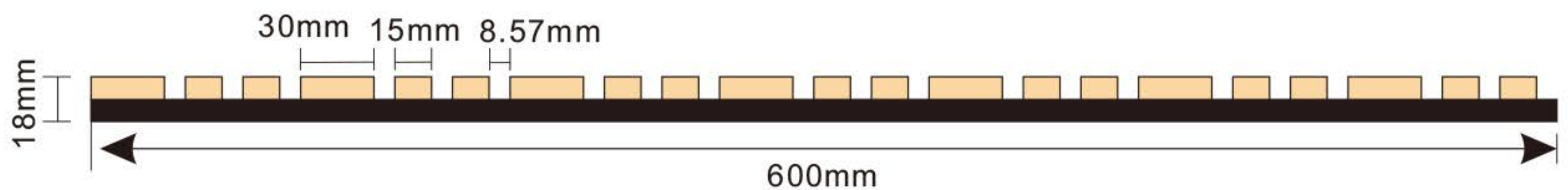
PRODUCT STRUCTURE



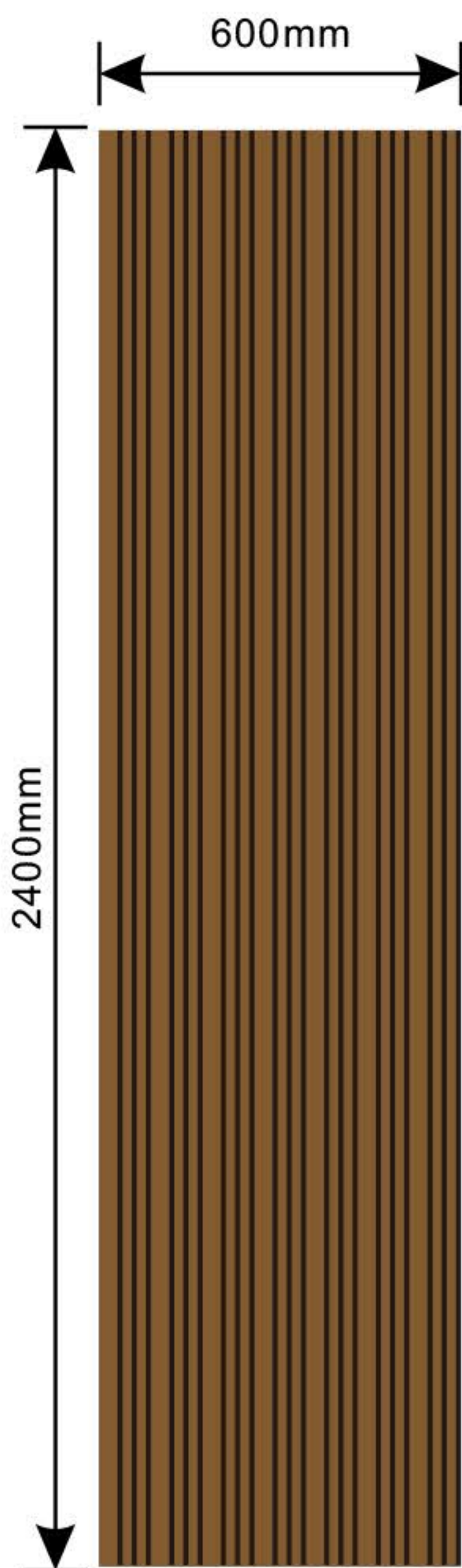
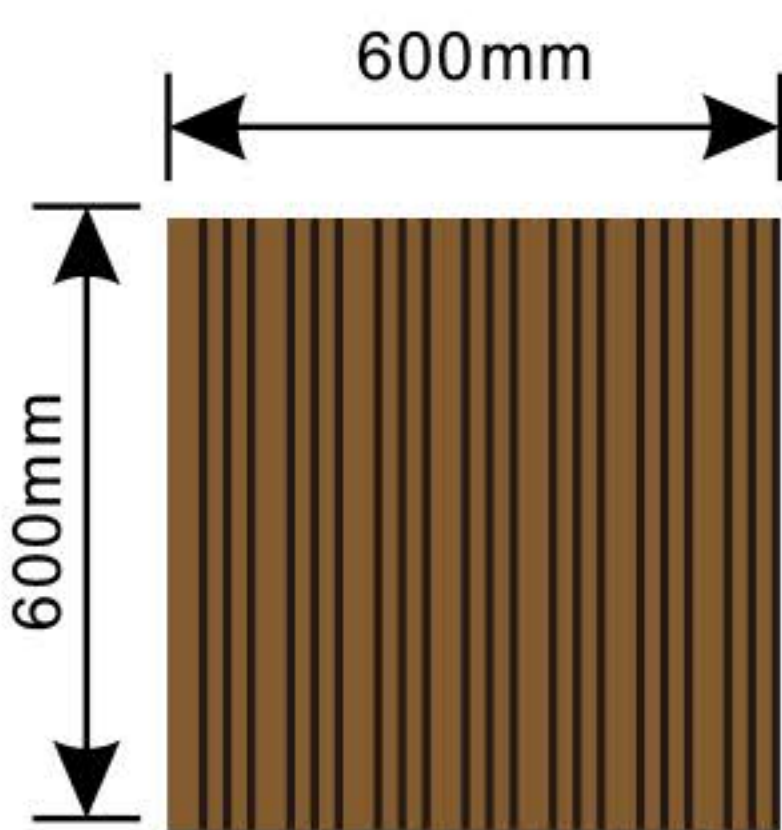
A 600*600(2400)*21mm
Batten width:30mm 15mm



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



NORMAL SIZE

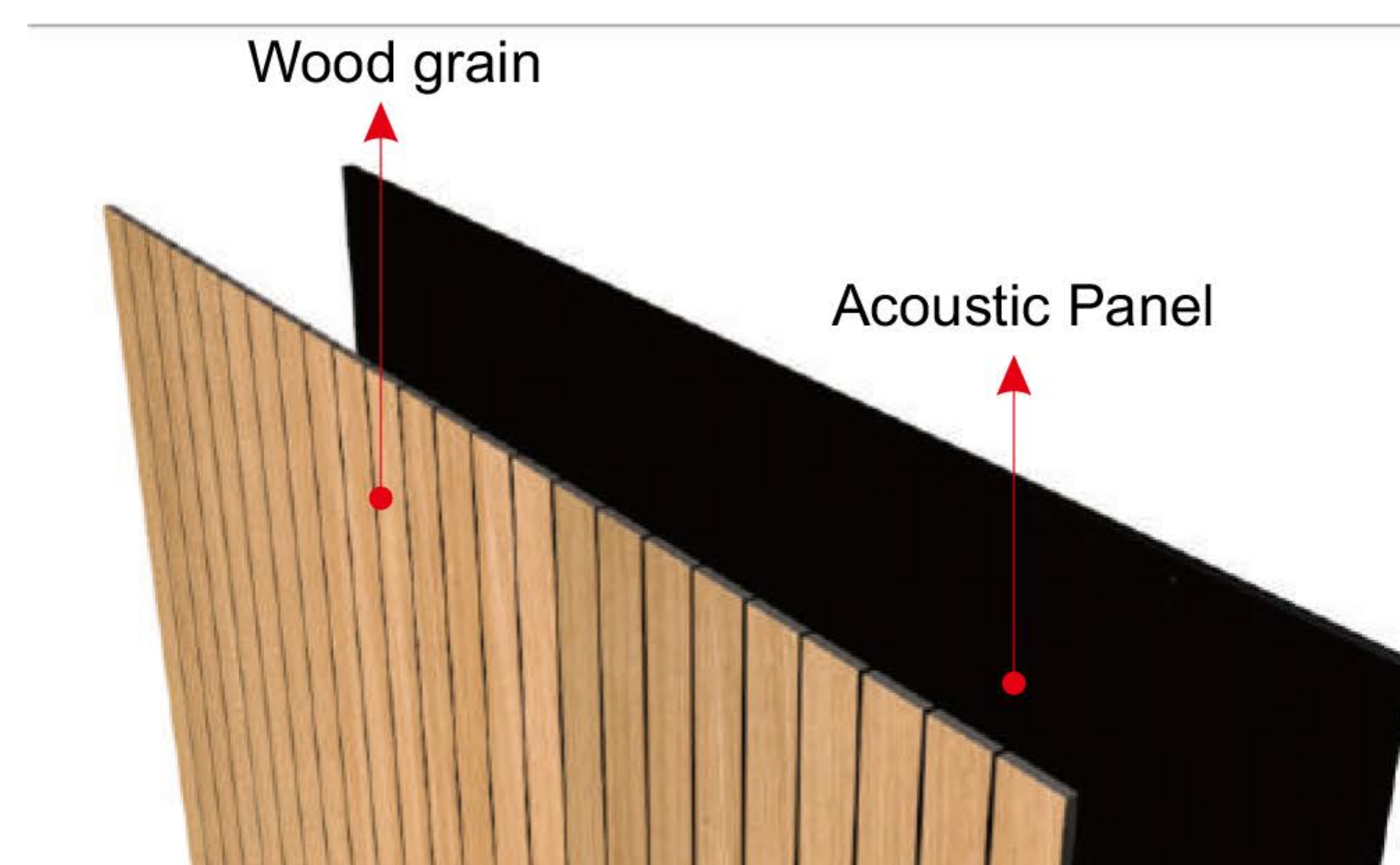


ROLLABLE SINGLE WOOD VENEER ACOUSTIC SLAT PANEL

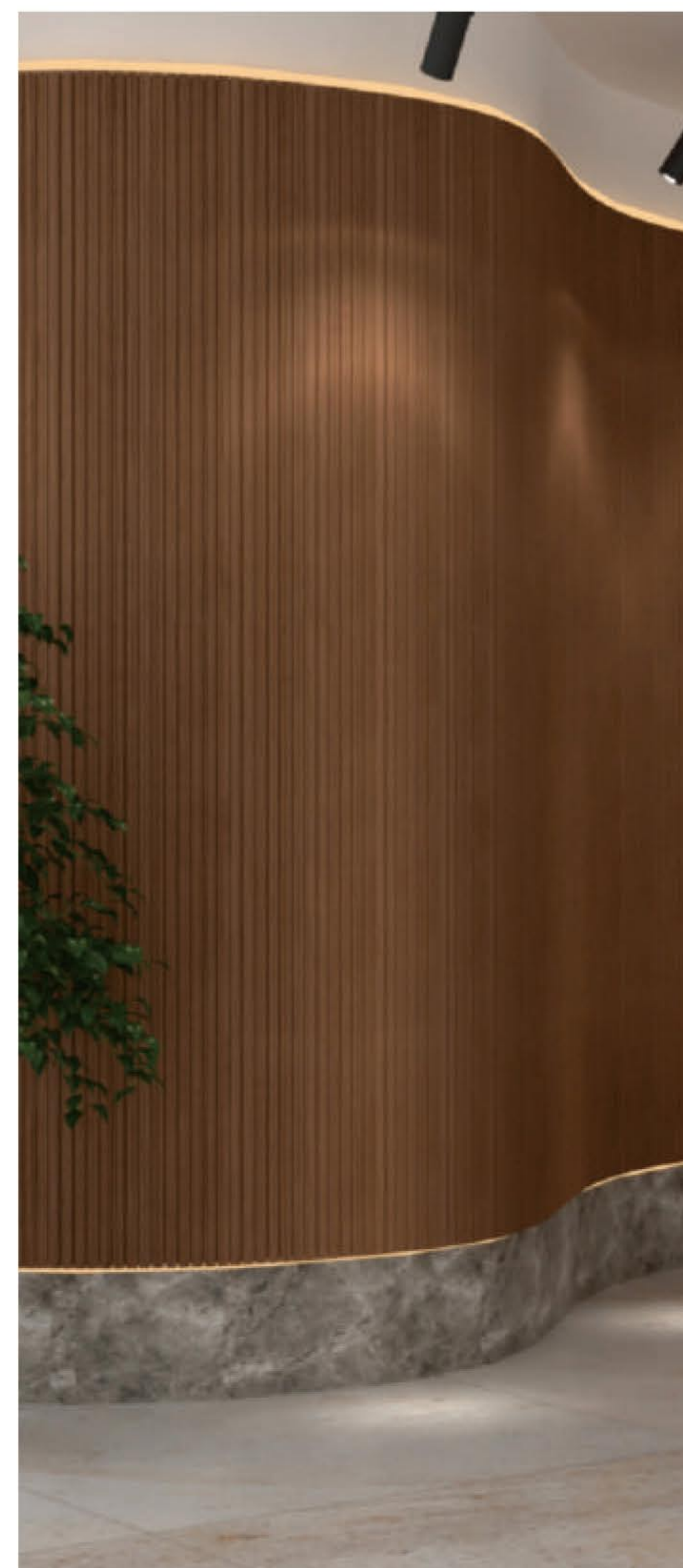
THGF-J



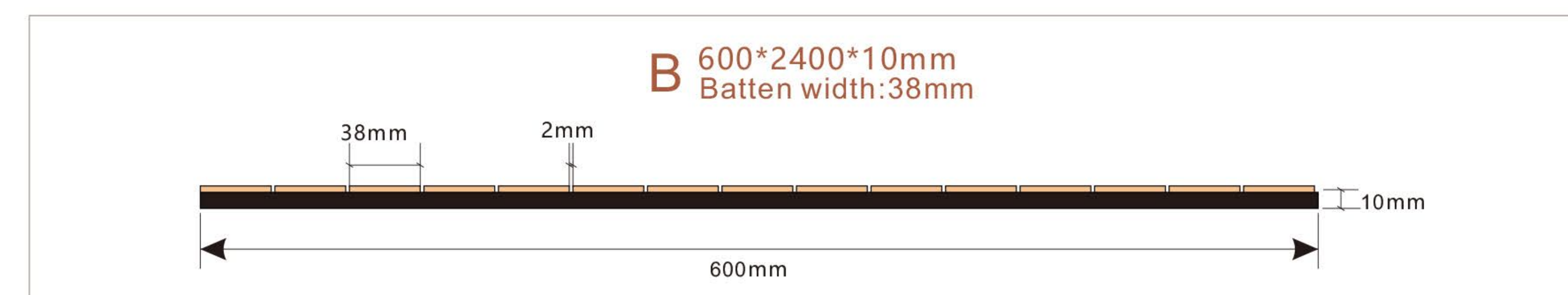
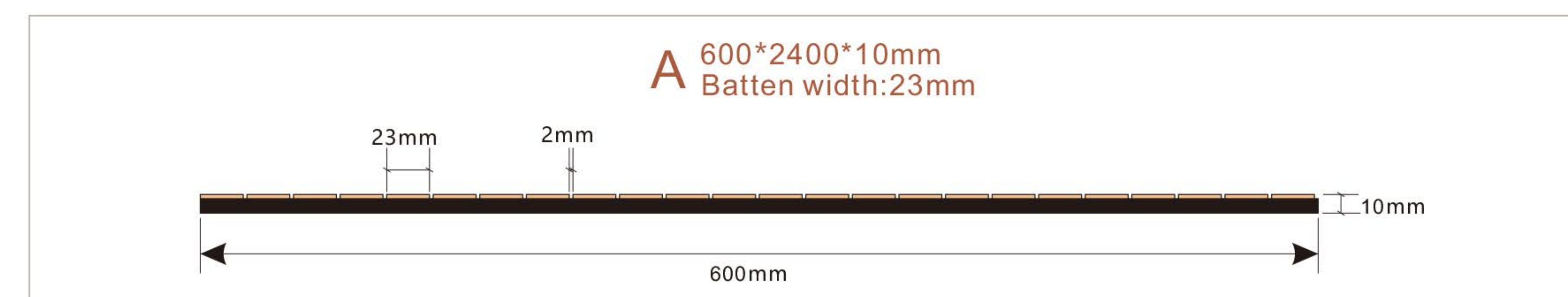
PRODUCT STRUCTURE



NORMAL SIZE

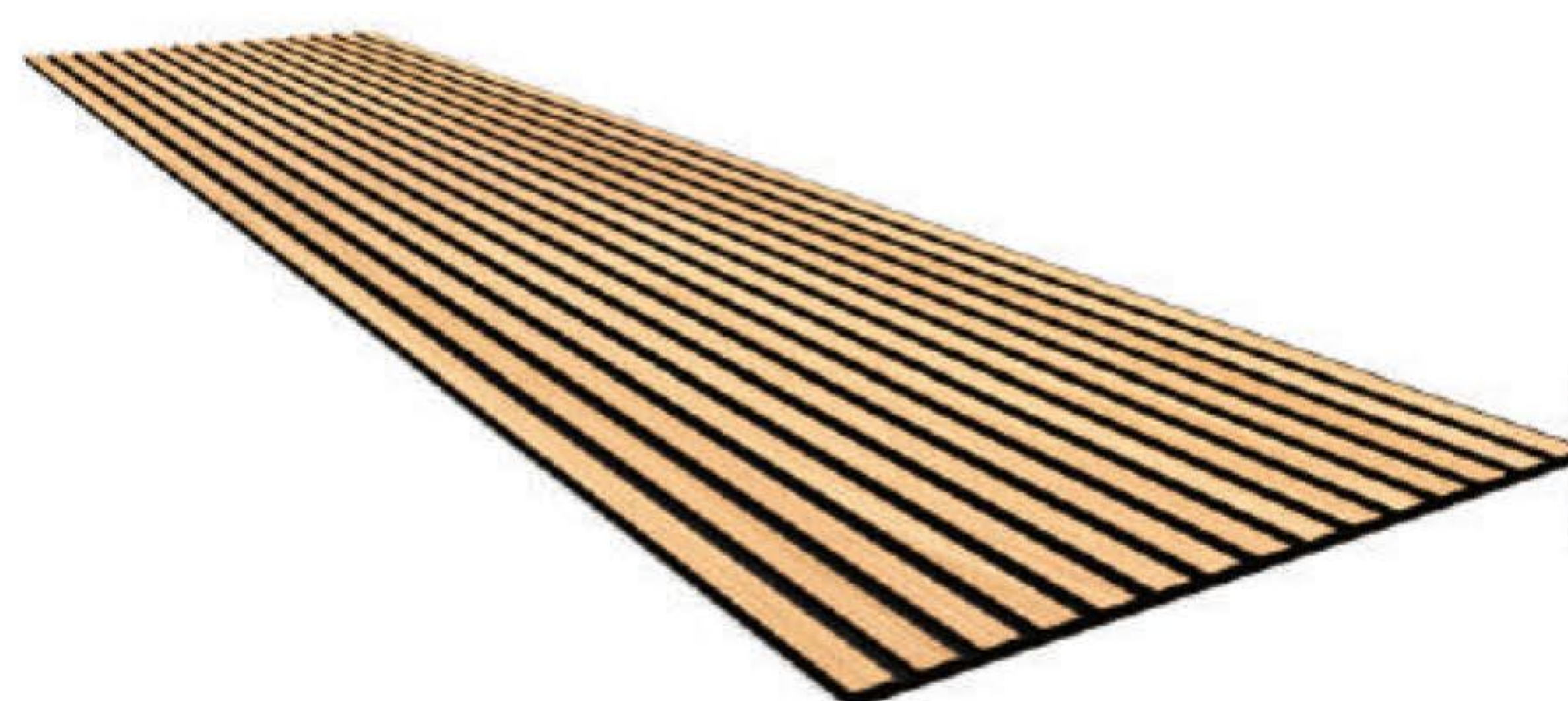


DETAILED DRAWINGS OF PRODUCT DIMENSIONS

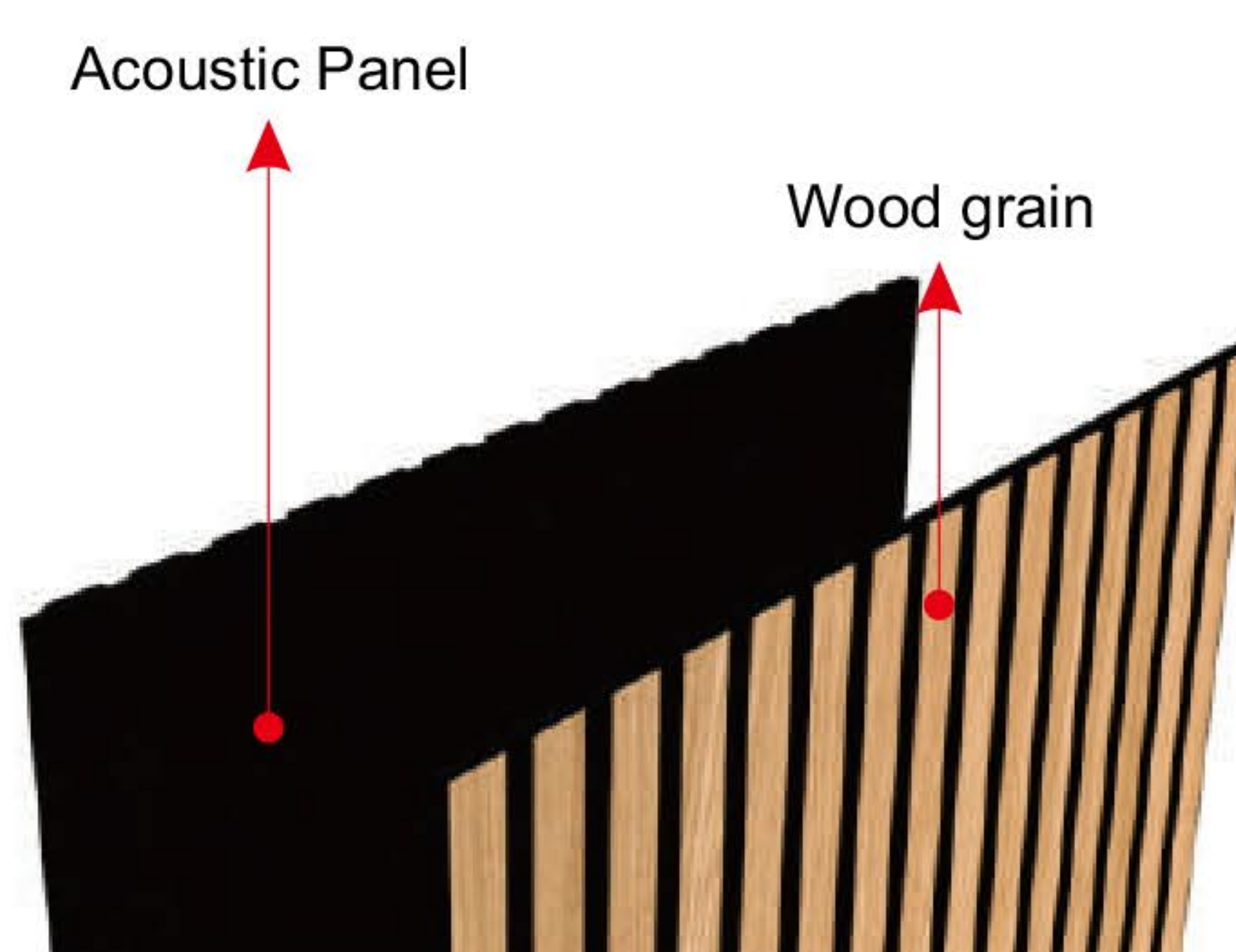


WOOD VENEER ACOUSTIC SLAT PANEL WITHOUT MDF

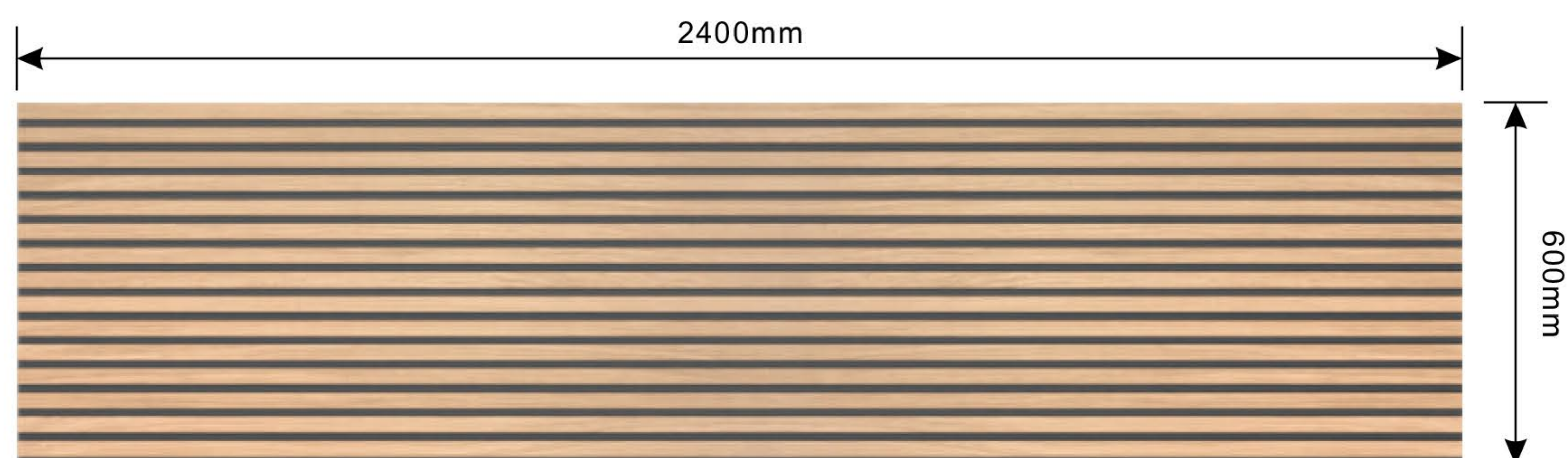
THGF-PE



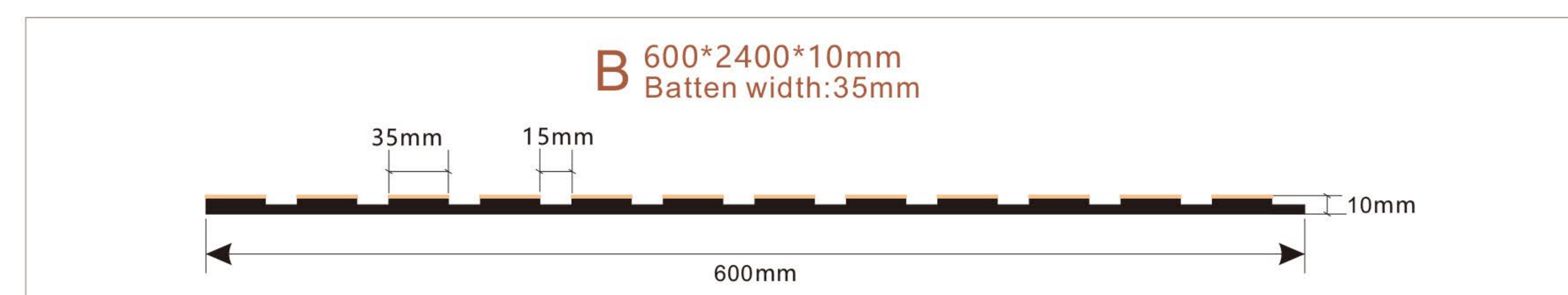
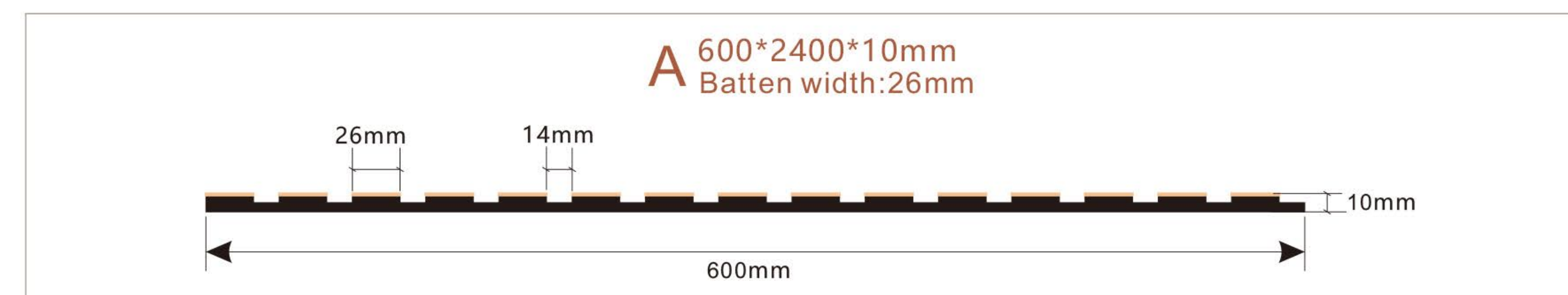
PRODUCT STRUCTURE



NORMAL SIZE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS

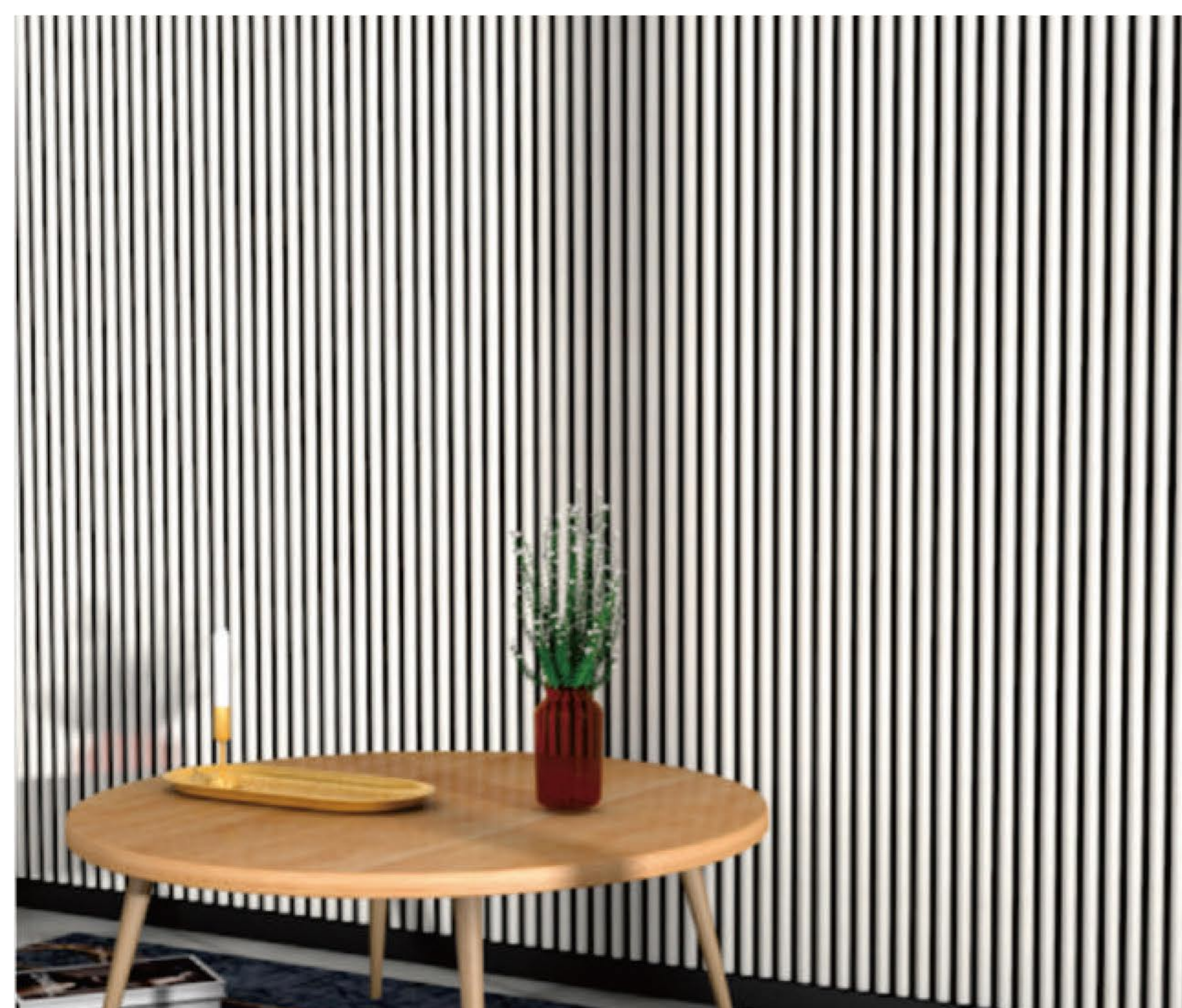
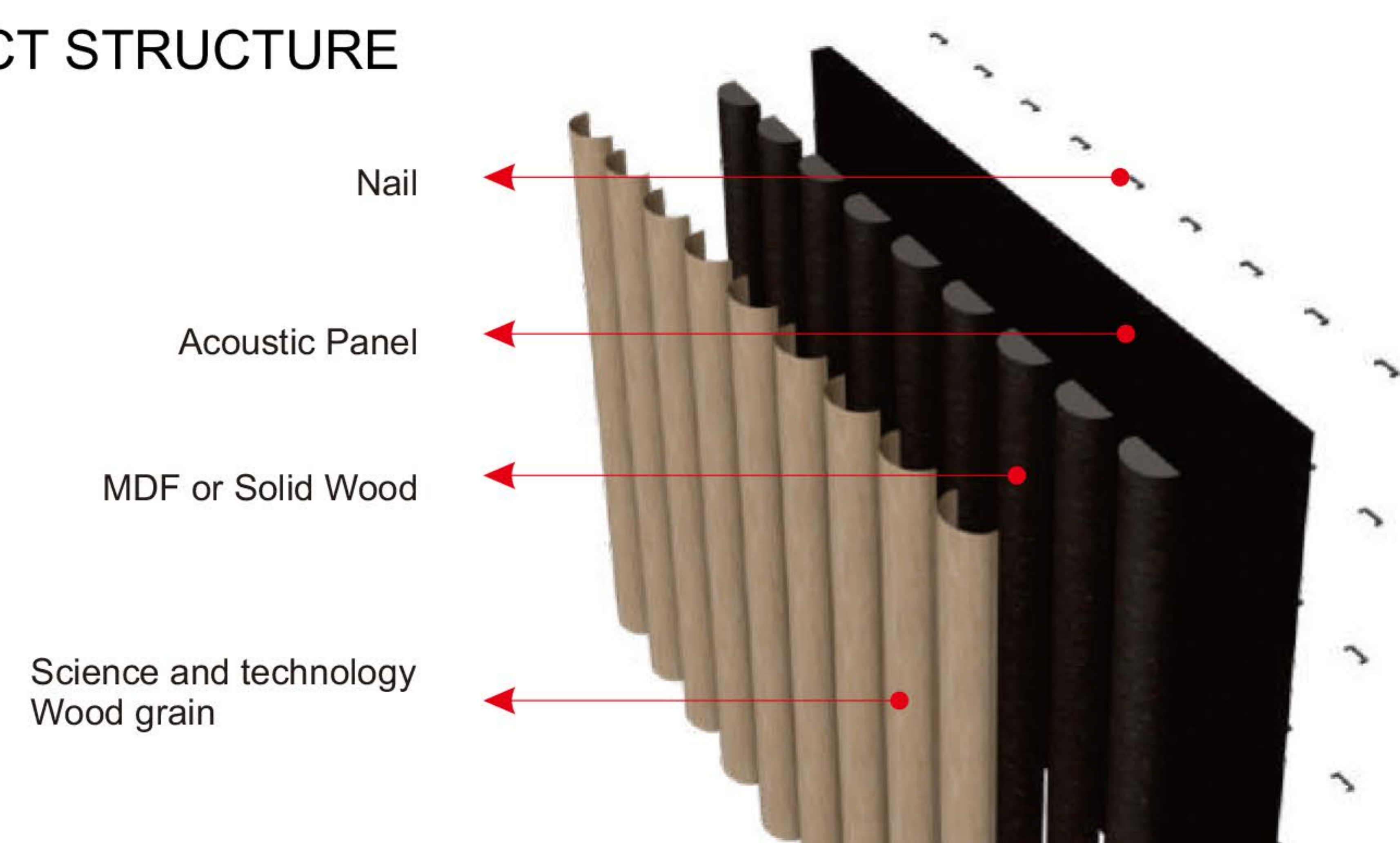


CIRCULAR WOODEN VENEER ACOUSTIC SLAT PANE

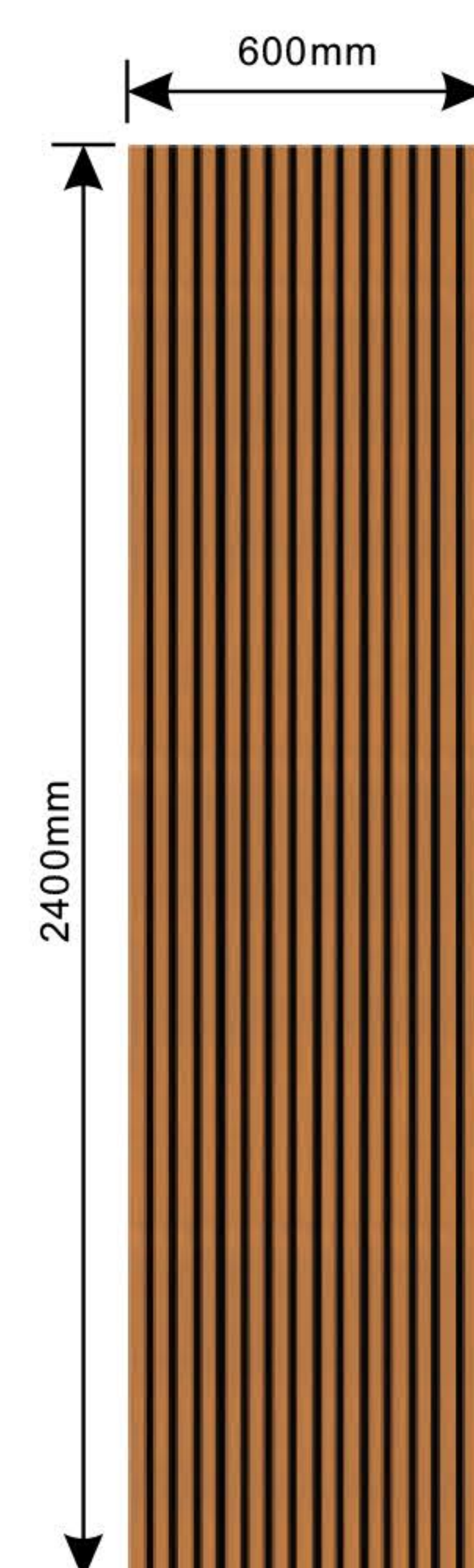
THGF-YH



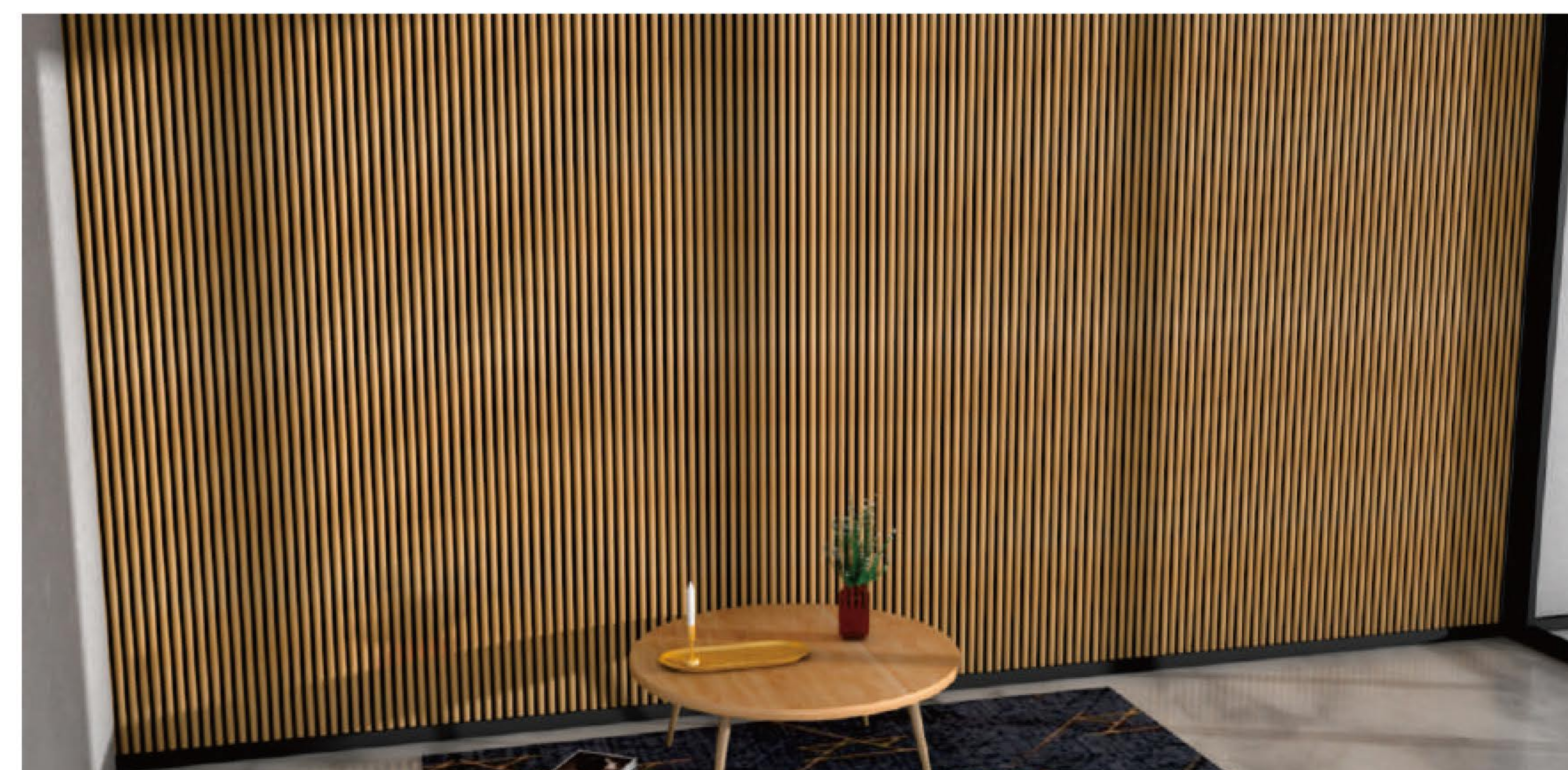
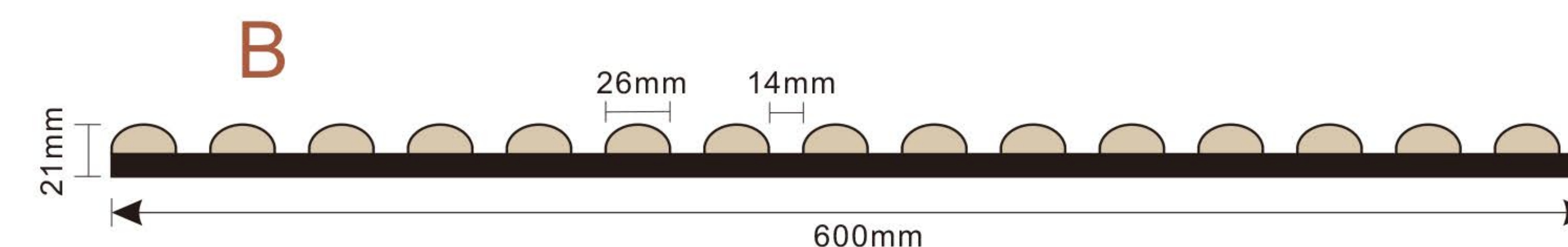
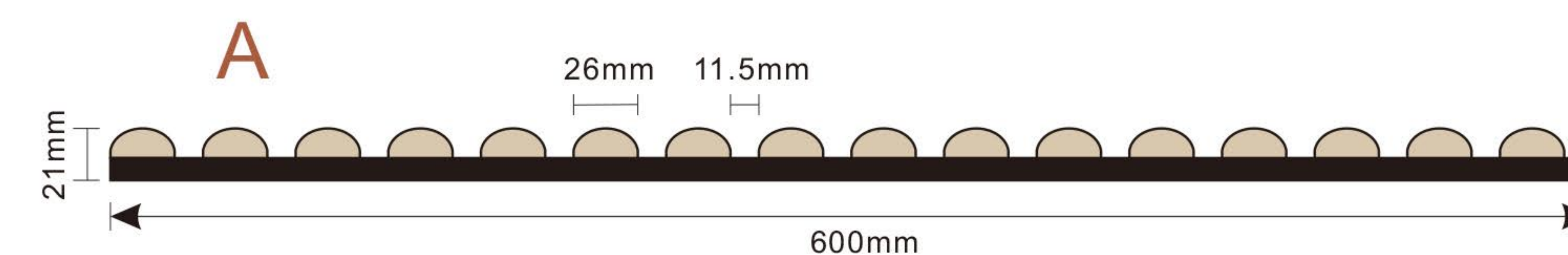
PRODUCT STRUCTURE



NORMAL SIZE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS



2#



4#



13#



18#



Black



White

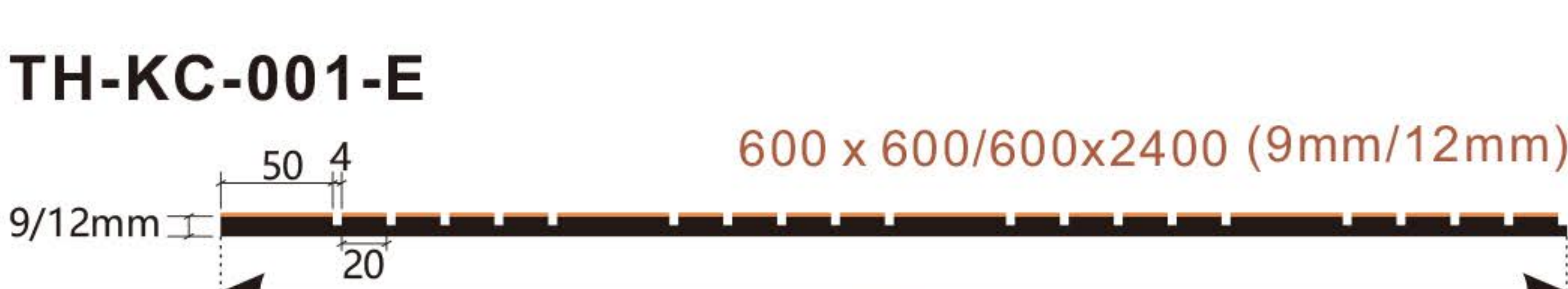
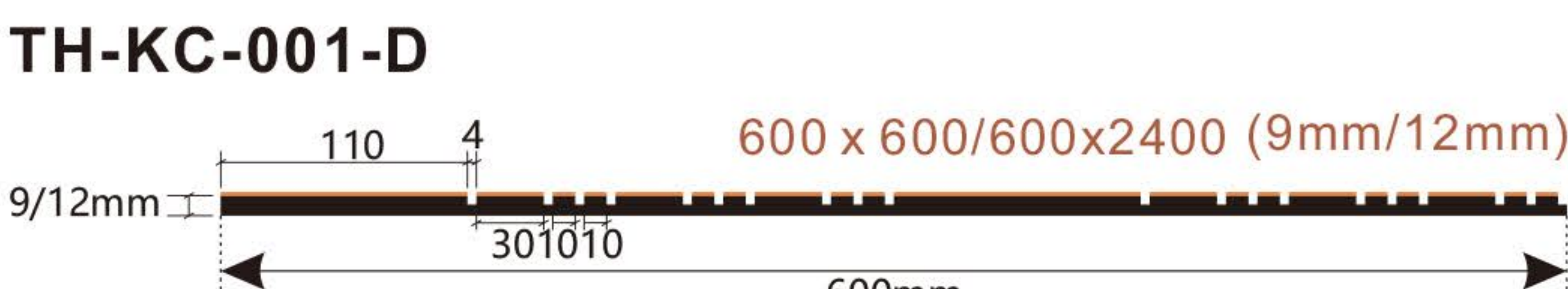
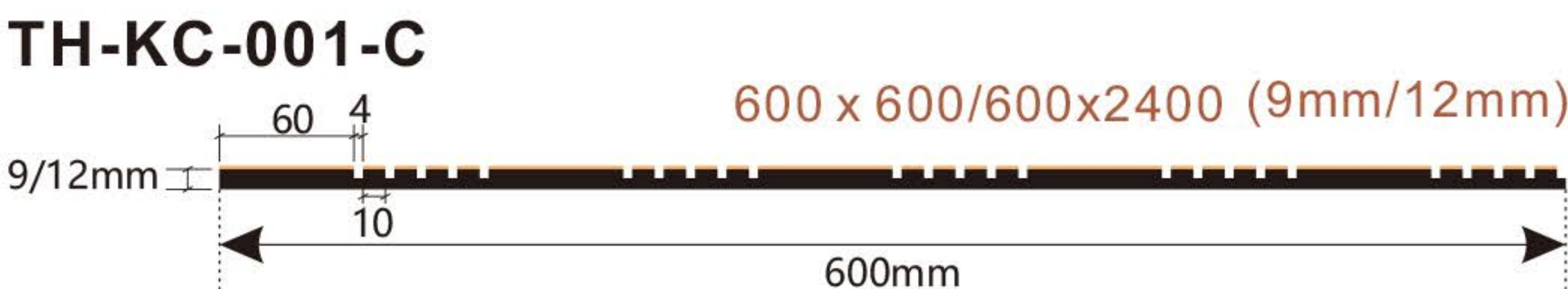
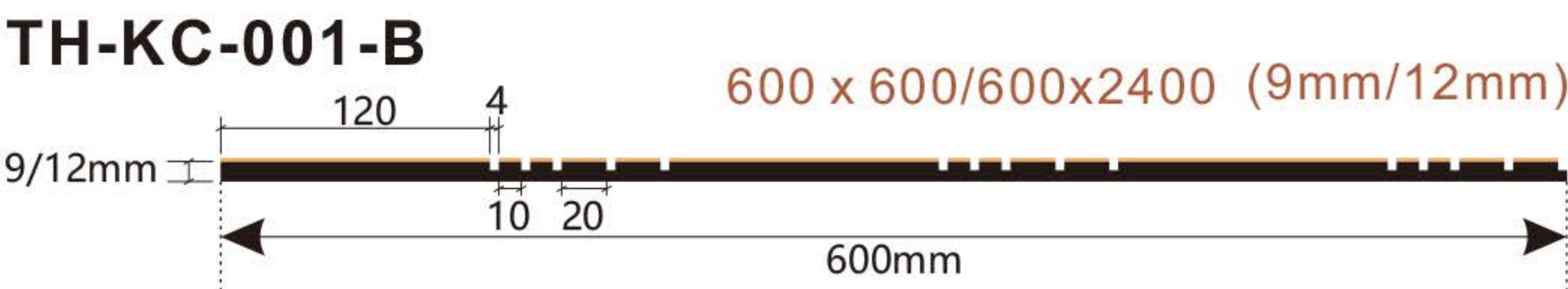
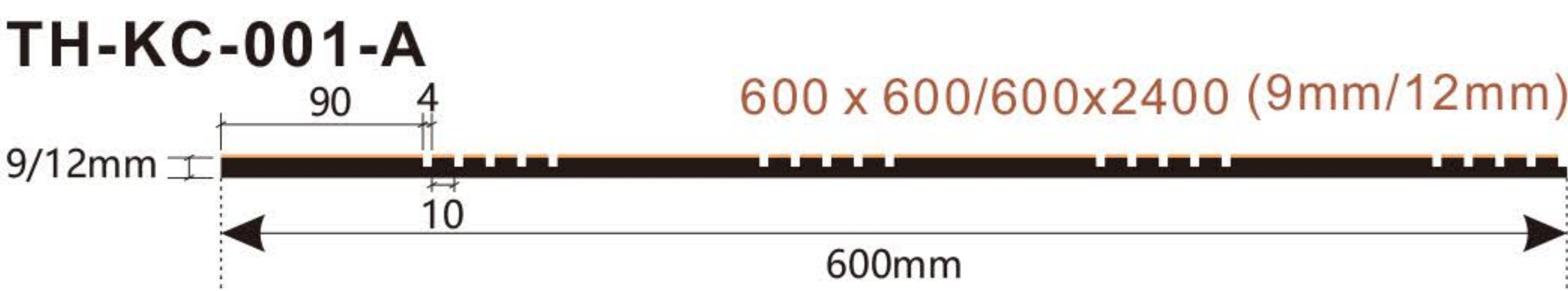
COLOR

ACOUSTIC SLAT PANEL

Polyester Fiber Decorative Slat Panel



DETAILED DRAWINGS OF PRODUCT DIMENSIONS



ACOUSTIC PANEL

The full name of the sound absorbing board is polyester fiber decorative sound absorbing board. The raw material is polyester fiber hot pressed by the equipment, the product has high strength, and the cocoon-shaped cotton made by a unique technology to achieve density diversification and ensure certain ventilation performance. So that the product has a good sound absorption effect and heat insulation performance. The sound absorbing board can shorten and adjust the reverberation time to adapt to different needs, remove sound impurities, improve sound and improve voice clarity. Study on sound absorption properties of polyester fiber and other porous materials Similar. The absorption coefficient increases with frequency as the sound increases. The high frequency absorption coefficient is very large. Sound absorption performance, noise reduction coefficient is about 0.8~1.1, is one An efficient sound absorption product. Polyester fiber sound-absorbing board has super sound insulation performance, because its material characteristics are uniform and strong, so it has decoration, heat preservation, fire retardant, light body, easy processing, good stability, impact resistance, wear resistance, easy maintenance, good elasticity, toughness, tear resistance, not easy to damage and other characteristics.



Product specification

Materials	100% high quality polyester fiber soundproof board
Sizes	1220*2440mm Customizable
Thickness	9mm/12mm/24mm
Fire rating	B1
Environmental grade	E0
Authentication sound absorption parameters	0.8-1.1
color	White, blue, green, yellow, etc. (Color card 44 colors)

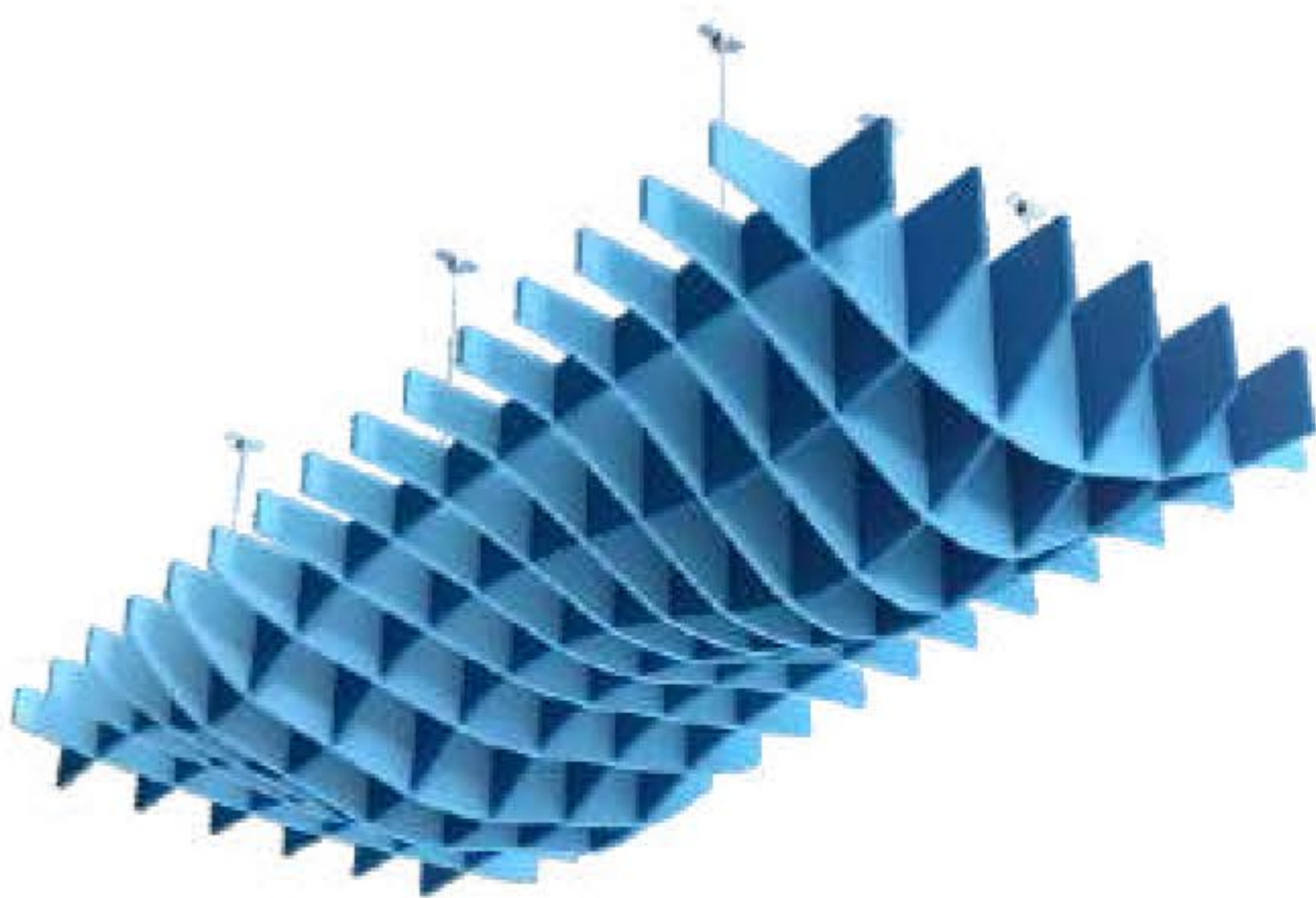
ACOUSTIC PANEL
COLOR



Electronic color card for reference only, please refer to the actual!

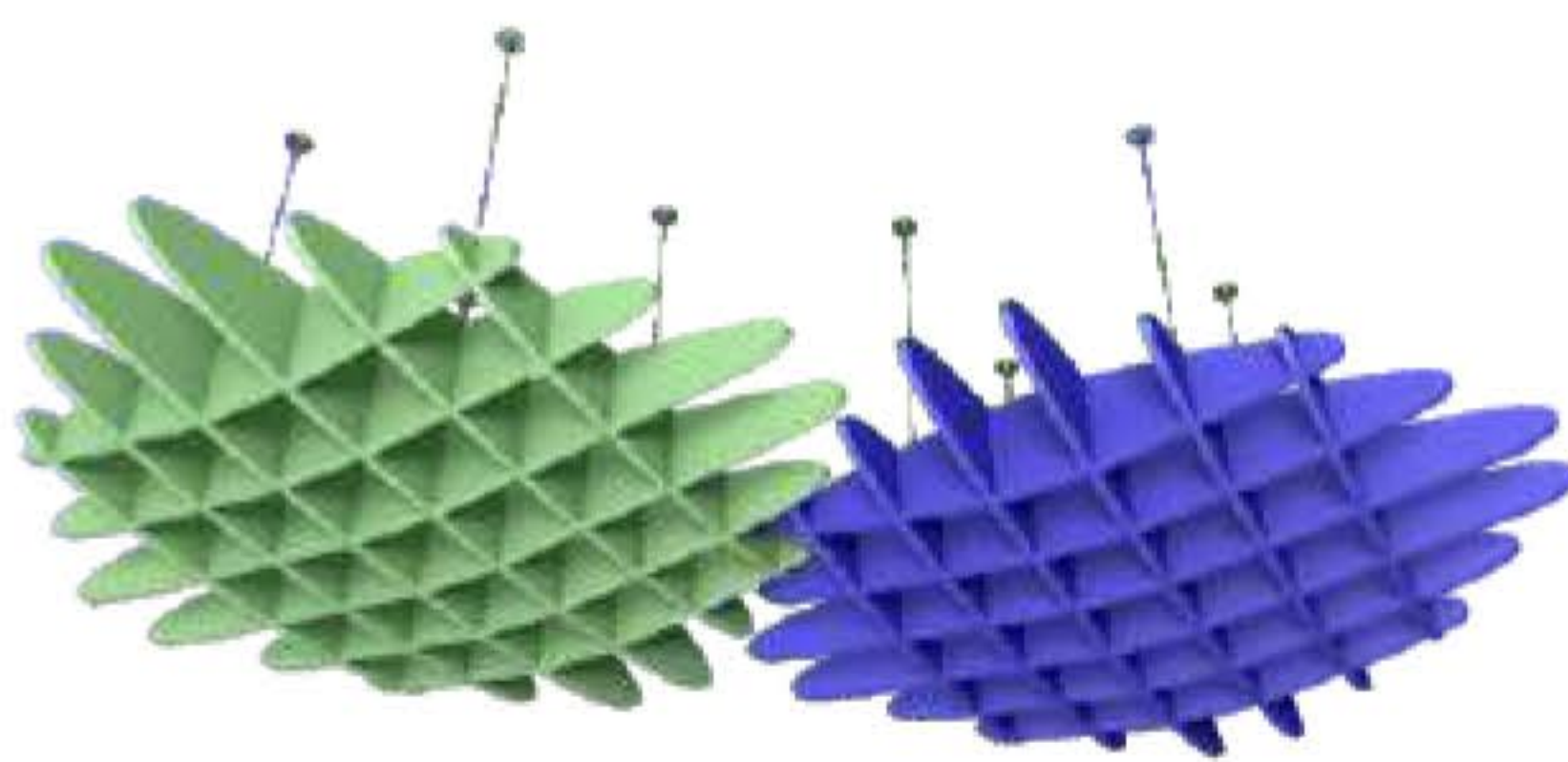


ACOUSTIC PANEL CEILING PRODUCT MOLDING BOARD



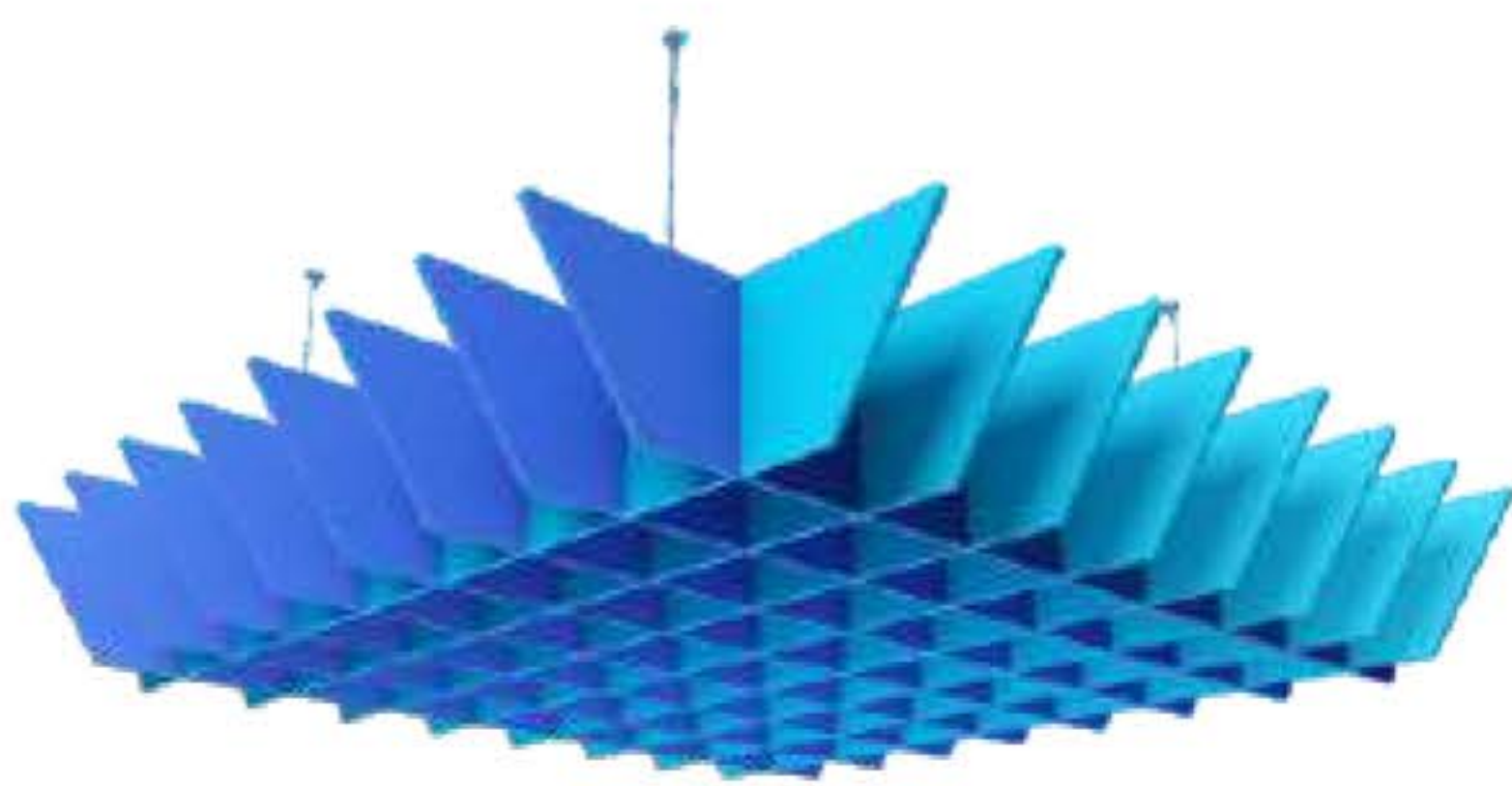
TH-0A-220801

BASIC INFORMATION			
Product name		ACOUSTIC PANEL	
Sizes	Molding size		1200*2400*400mm
	Thickness	PET	9mm、12mm



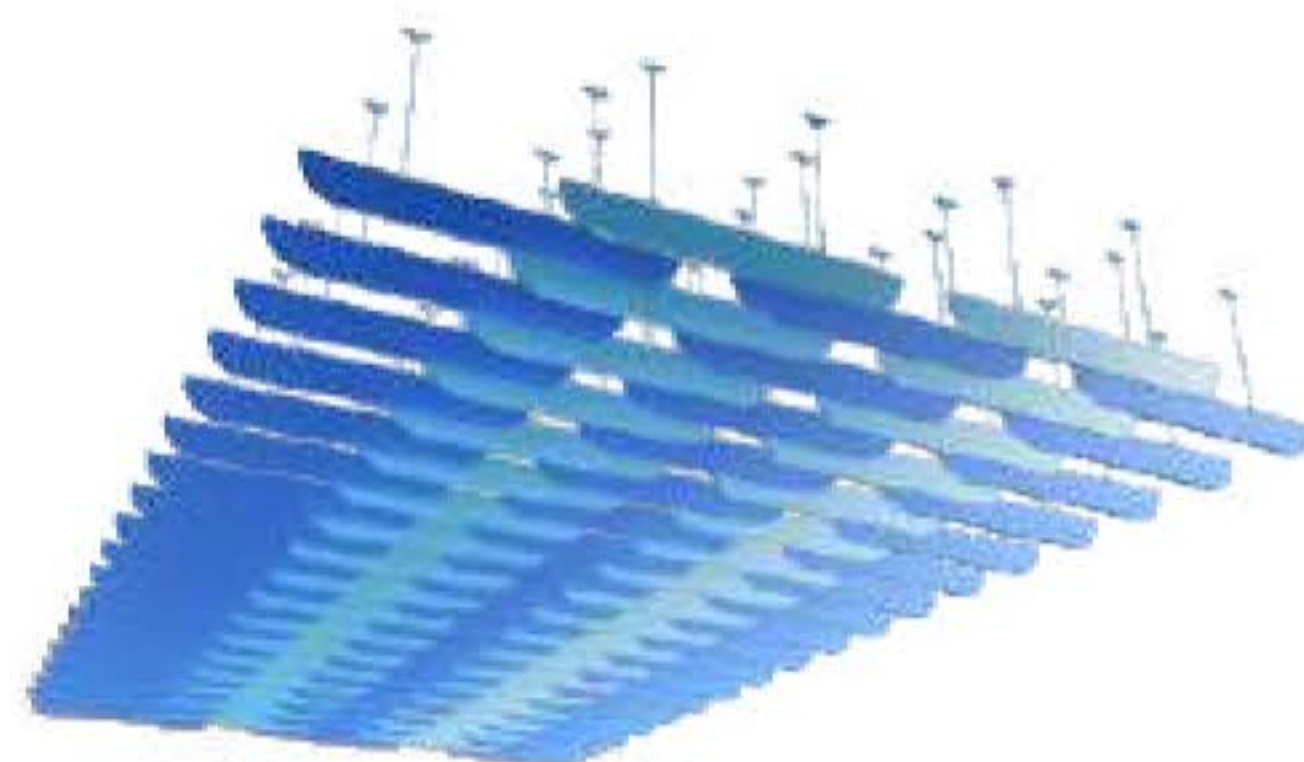
TH-0A-220803

BASIC INFORMATION			
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Sizes	Molding size		1200*1200*180mm
	Thickness	PET	9mm、12mm



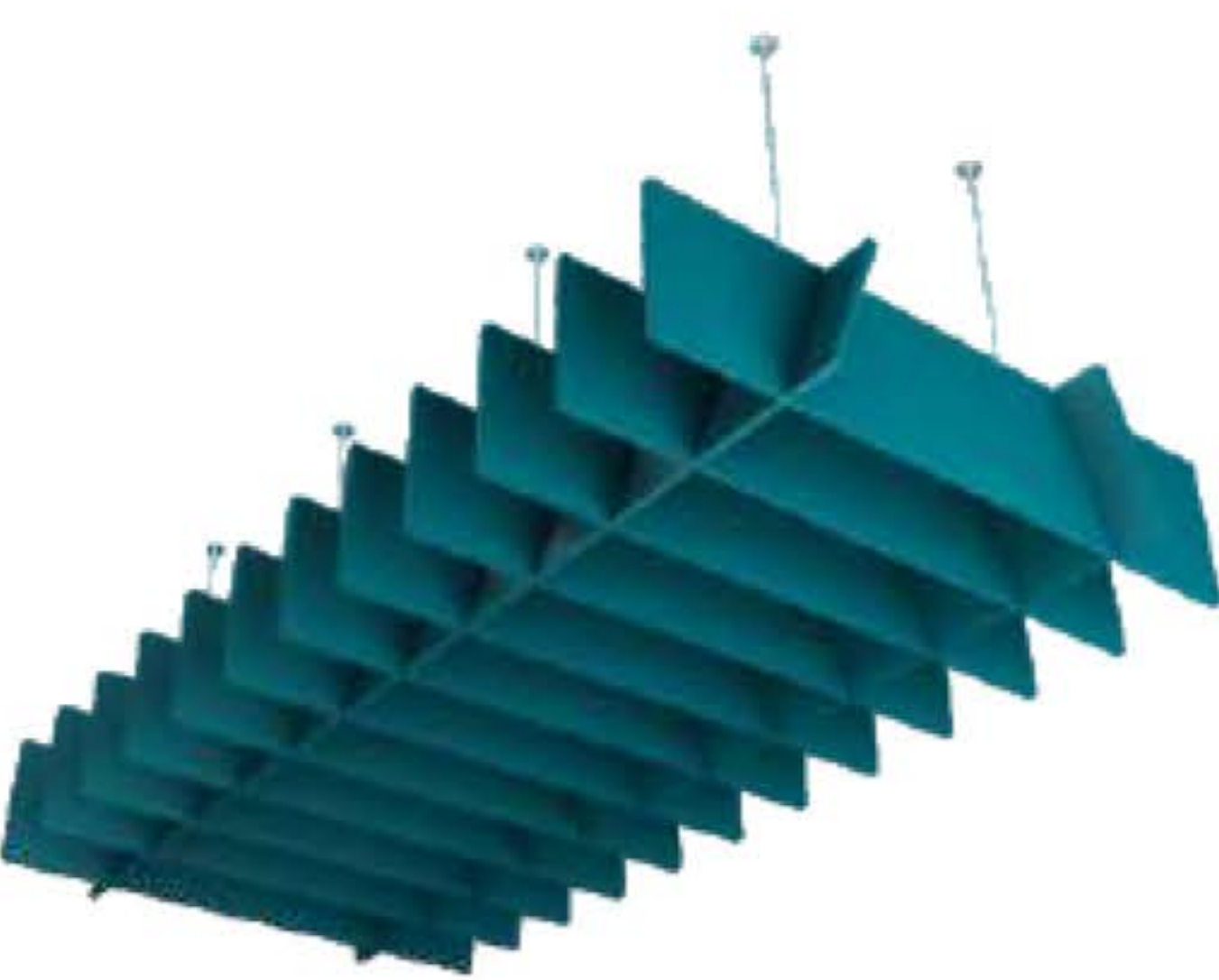
TH-0A-220804

BASIC INFORMATION			
Product name		ACOUSTIC PANEL	
Sizes	Molding size		1200*2400*290mm 2400*2400*290mm
	Thickness	PET	9mm、12mm



TH-0A-220812

BASIC INFORMATION			
Product name		ACOUSTIC PANEL	
Sizes	Molding size		1200*200mm/1pcs
	Thickness	PET	9mm、12mm



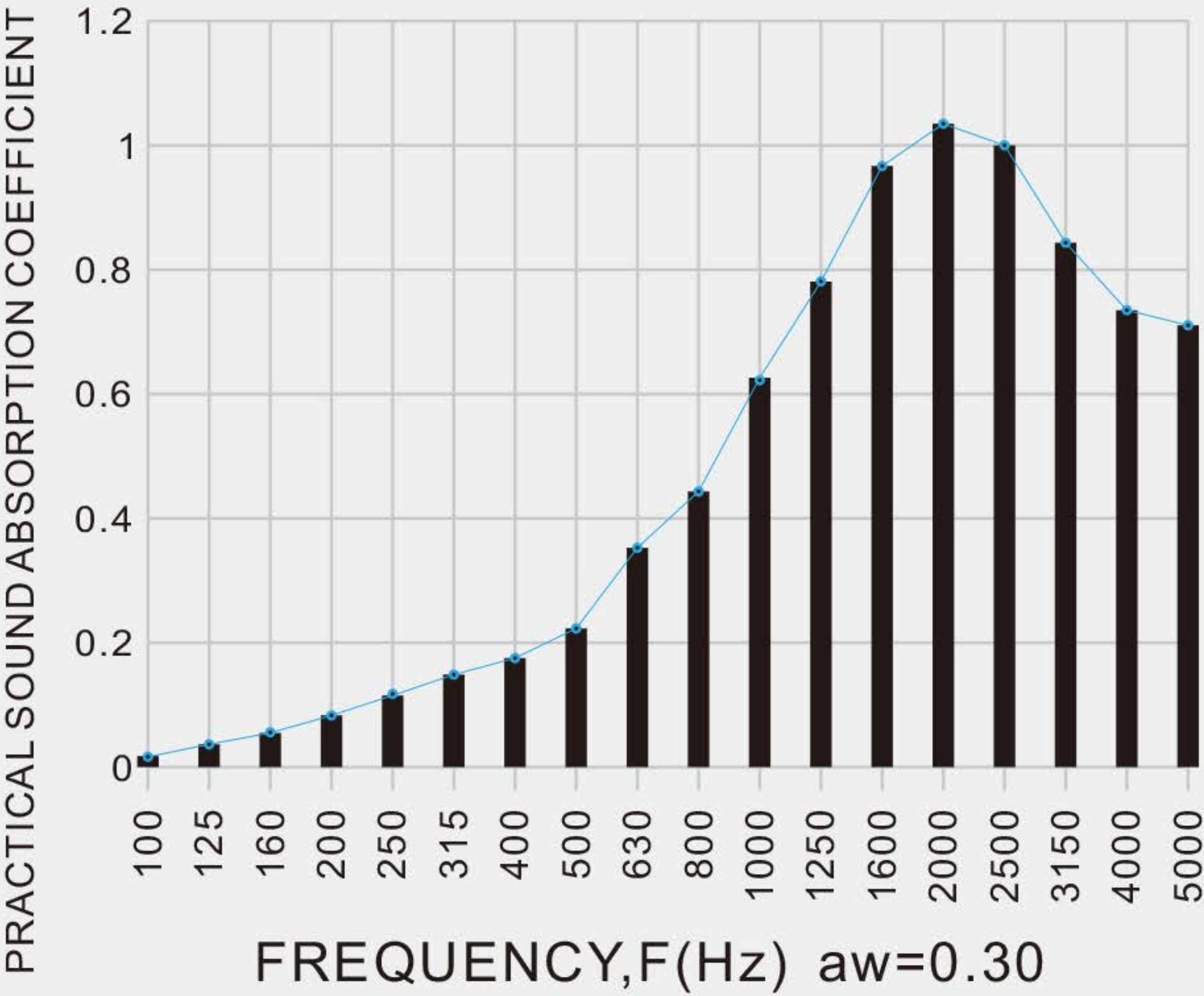
TH-0A-220802

BASIC INFORMATION			
Product name		ACOUSTIC PANEL	
Sizes	Molding size		1180*2400*277mm
	Thickness	PET	9mm、12mm

The sound absorption coefficient of the sound absorption board

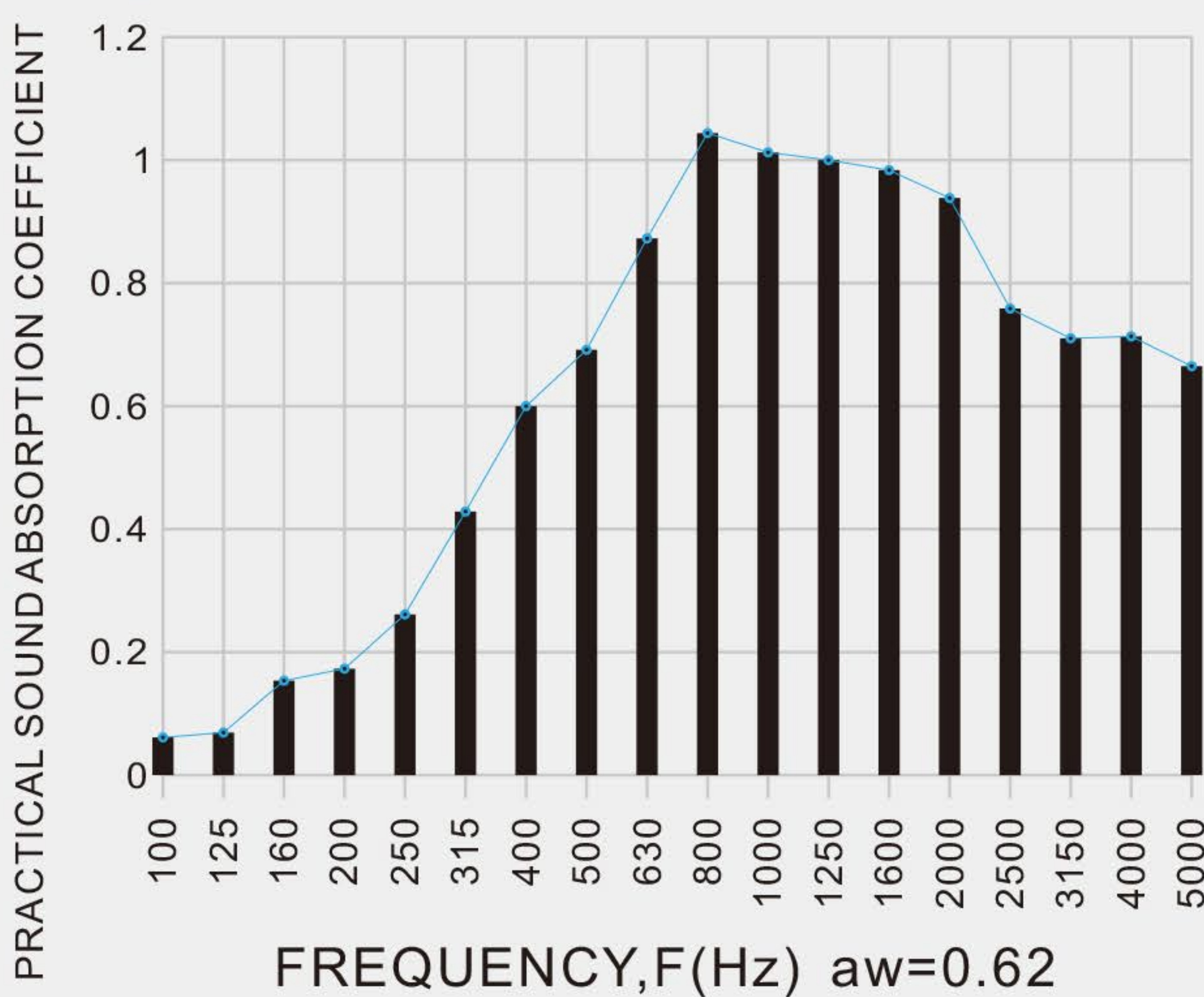
According to the test method of EN ISO 354:2003, laboratory measurements of the absorption coefficient were carried out in a reverberation chamber.

The grille is mounted directly on the wall



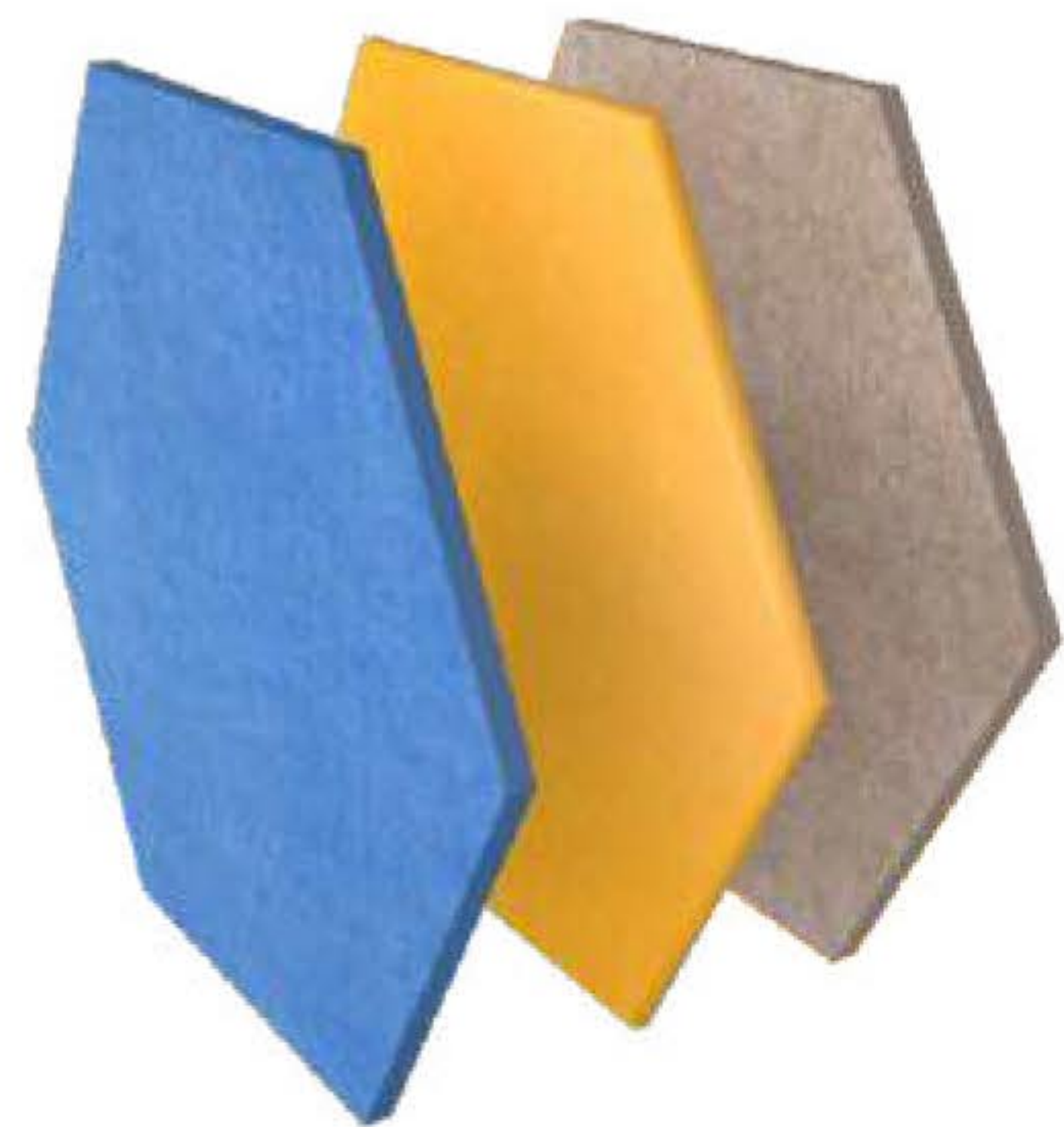
As shown in the figure, the 21mm panel, attached directly to the wall, obtains an absorption coefficient of 0.3 (MH).

The grille is mounted on the wooden keel



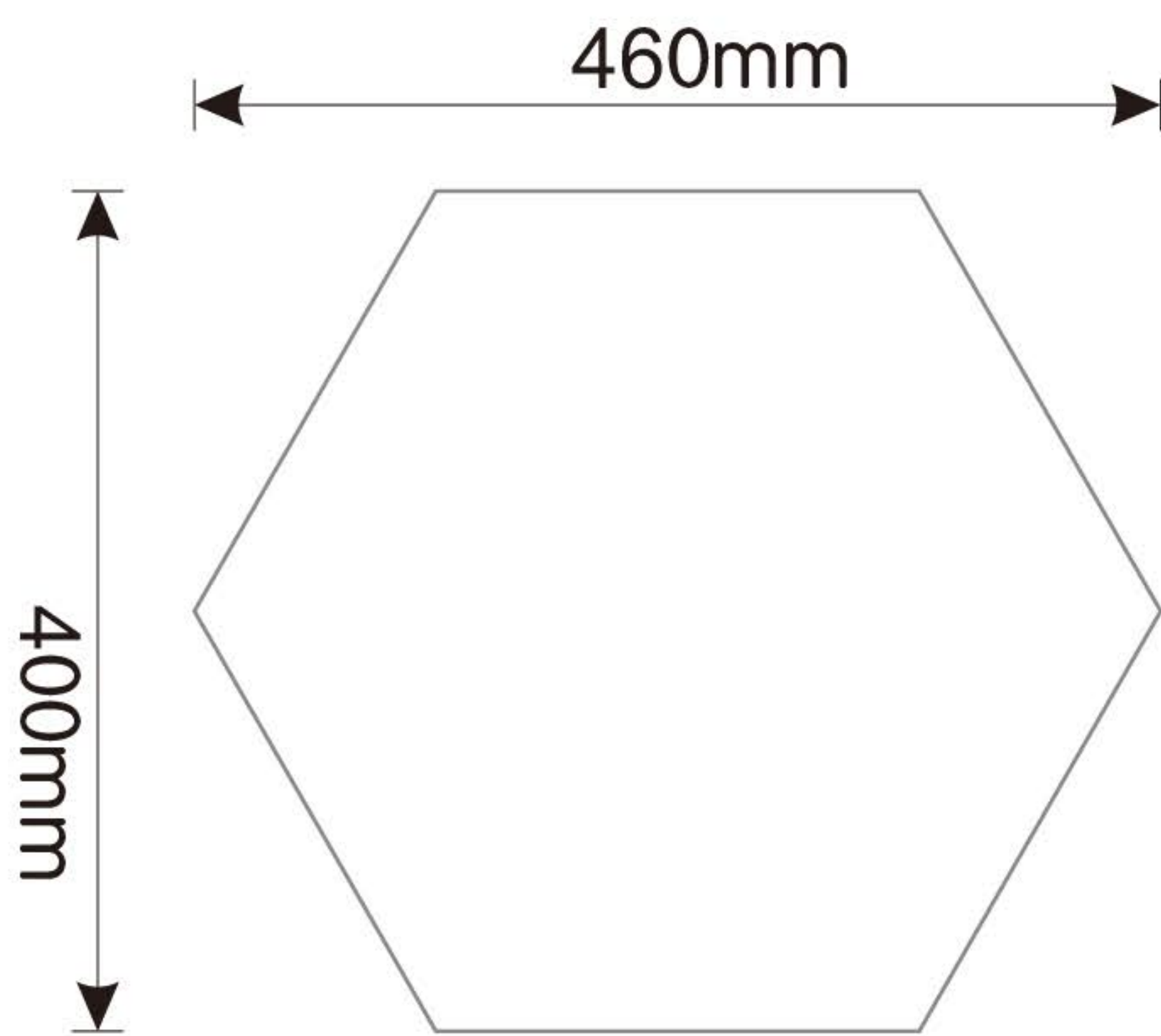
As shown, the 21mm panel, mounted on a 46mm spaced wood keel and mineral wool insulation, achieves an absorption coefficient of 0.62 (MH).

ACOUSTIC PANEL

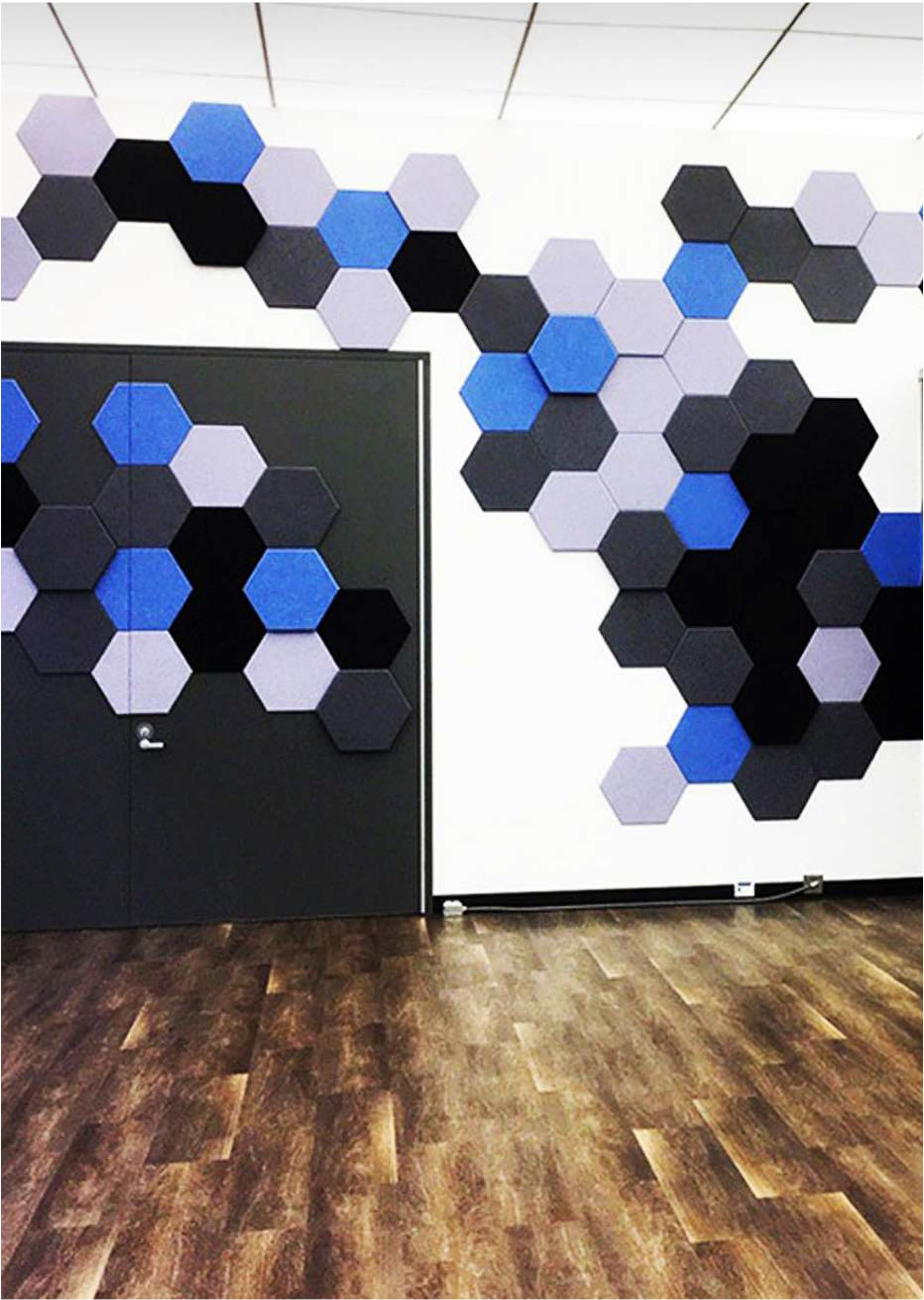
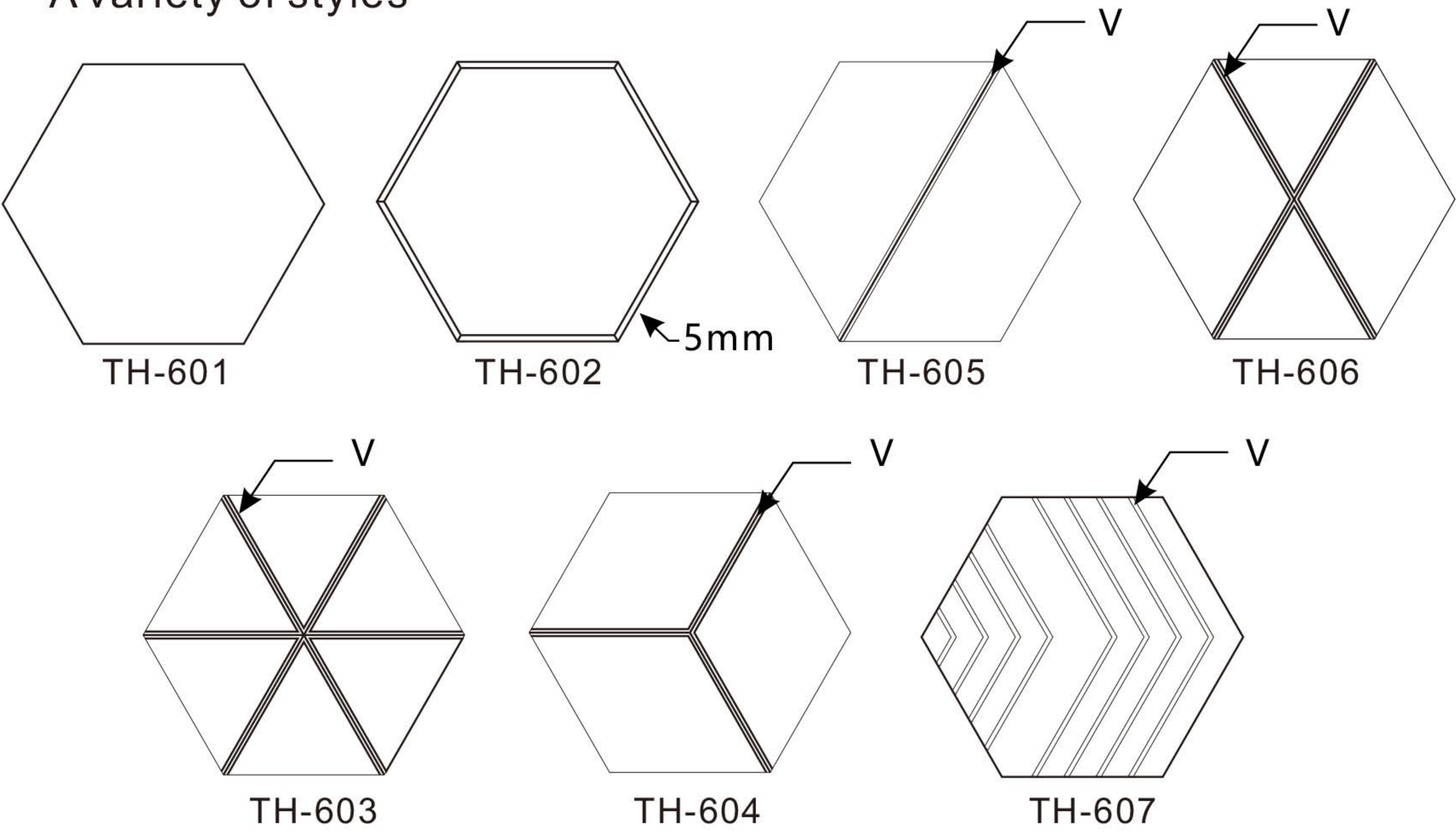


TH-002

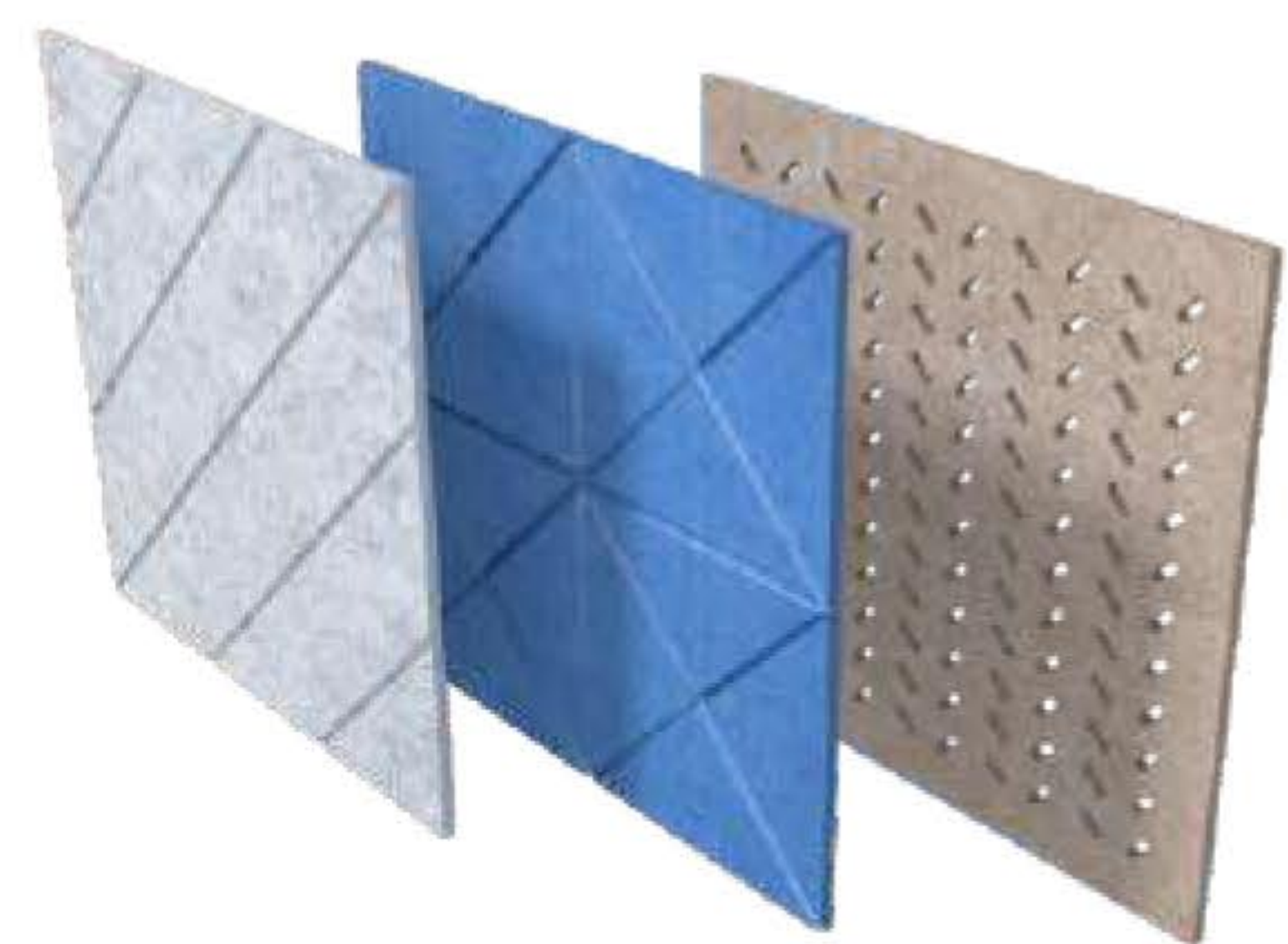
BASIC INFORMATION			
Product name		ACOUSTIC PANEL	
Sizes	Molding size		460*400mm
	Thickness	PET	9mm、12mm



A variety of styles

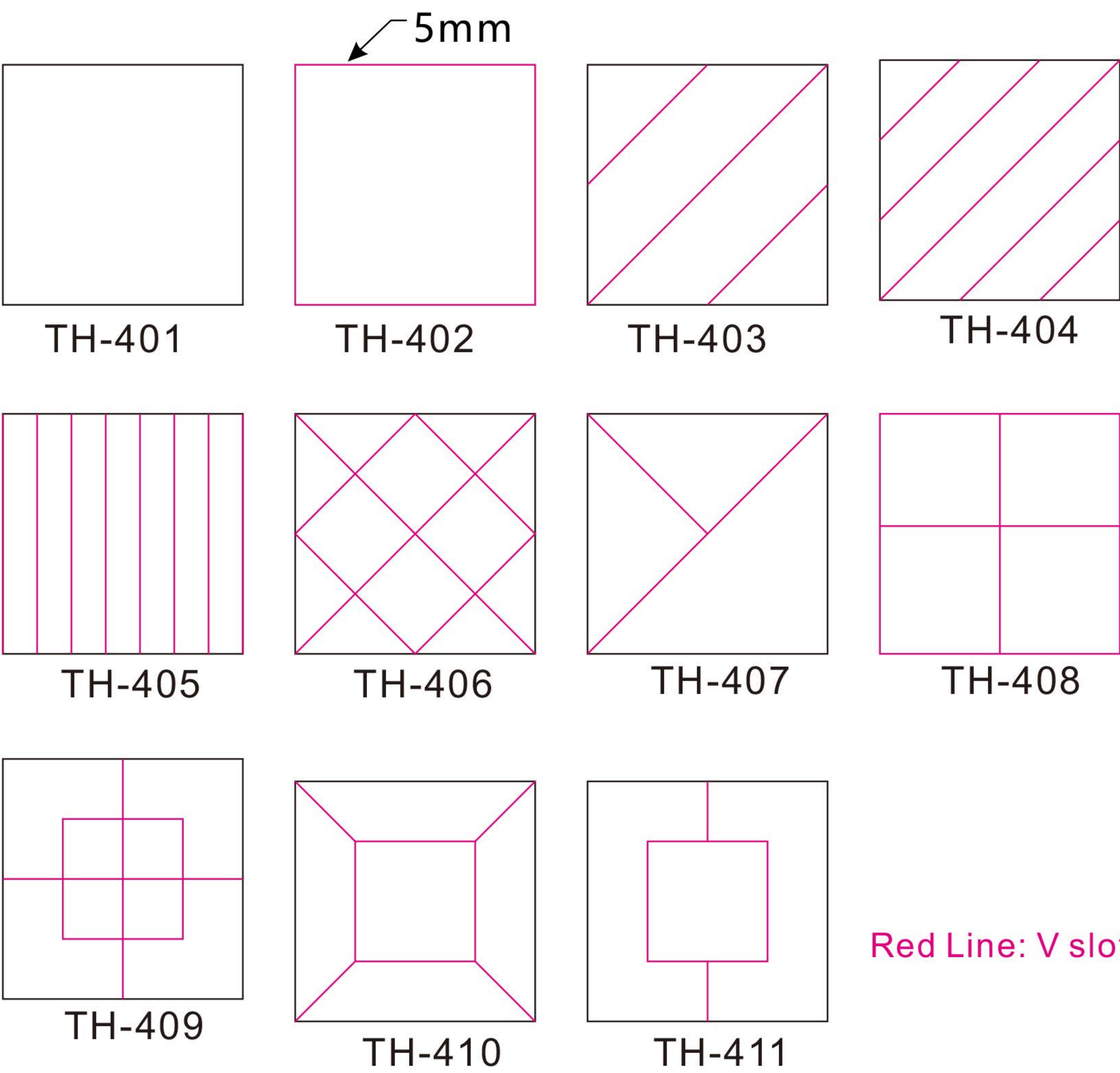


ACOUSTIC PANEL

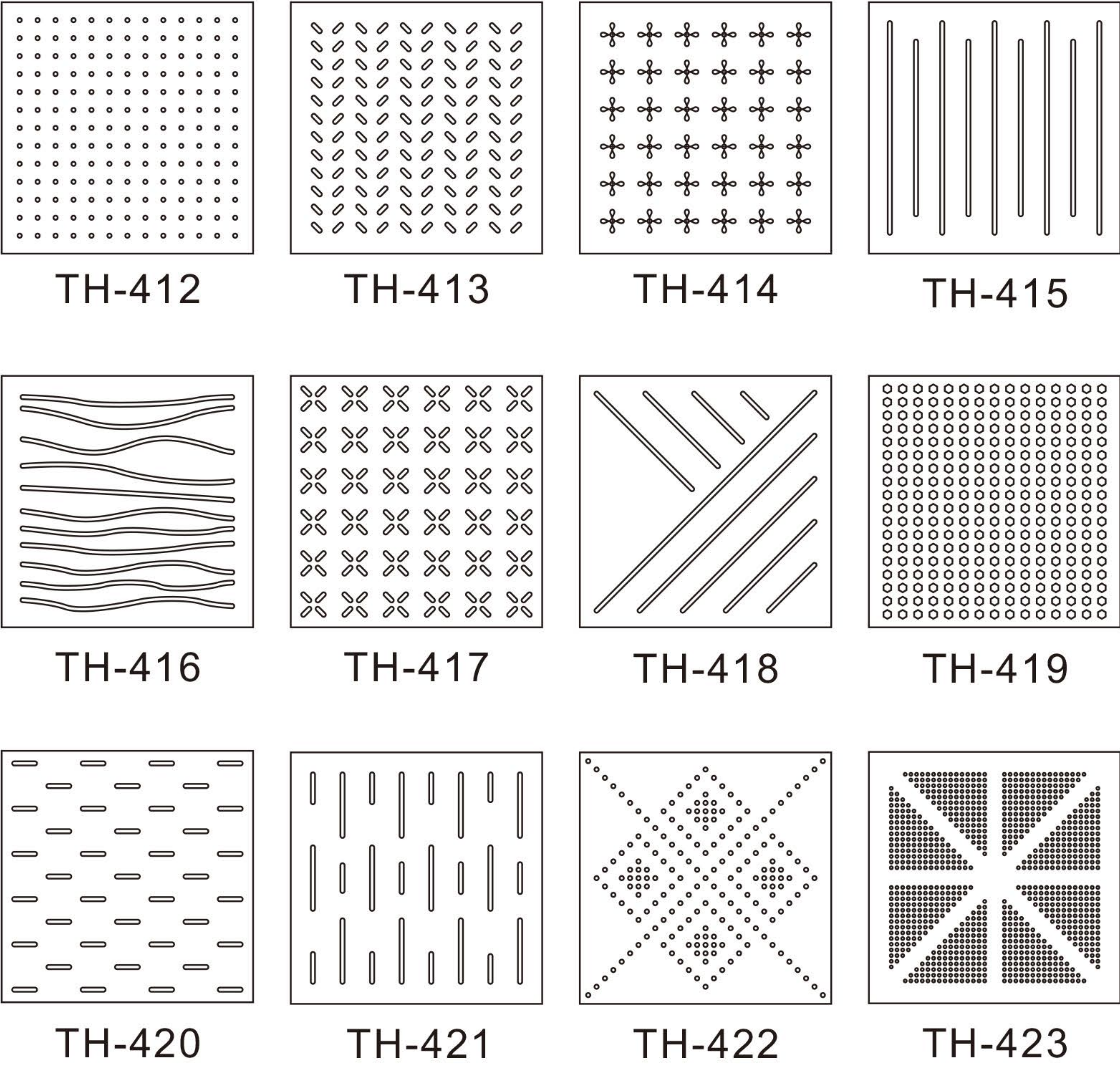


TH-003

BASIC INFORMATION				
Product name			ACOUSTIC PANEL	
Sizes	Molding size		400*400mm 600*600mm	Customizable
	Thickness	PET	9mm、12mm	



Red Line: V slot

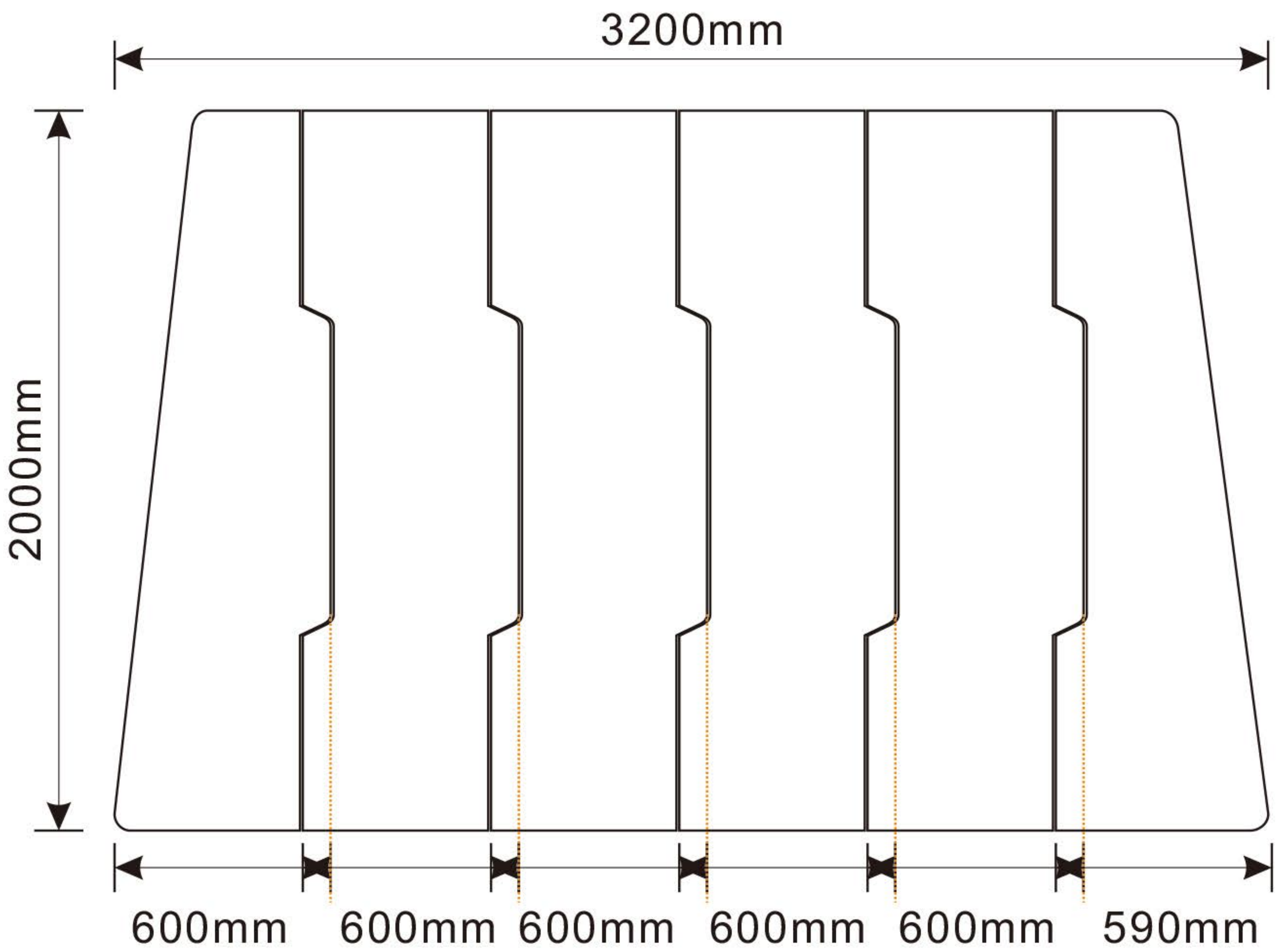


SCREEN SOUND-ABSORBING PANEL

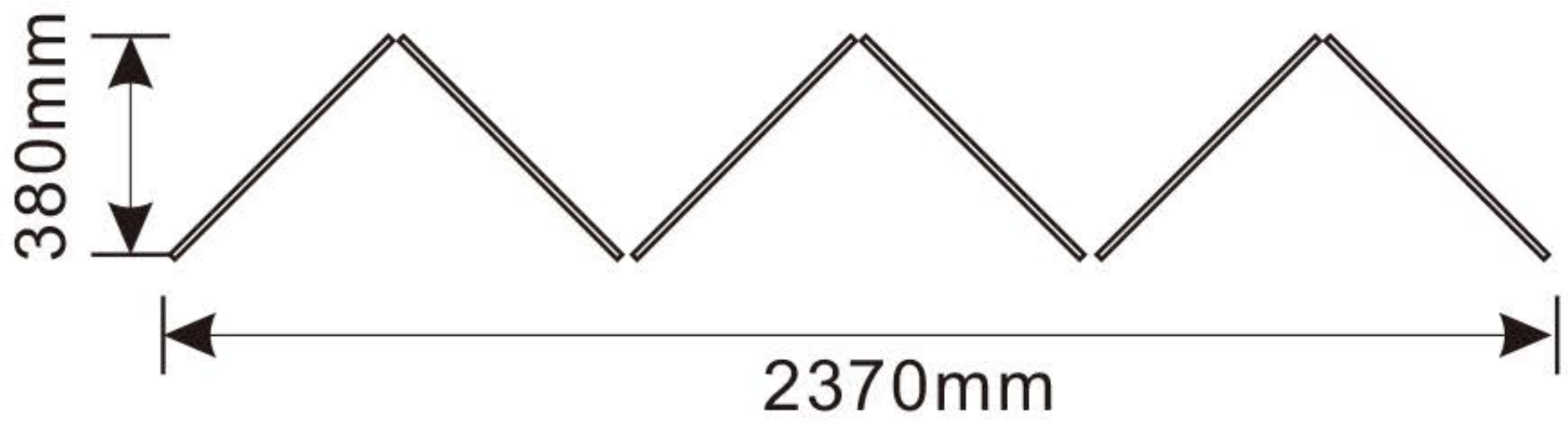
A



Front view



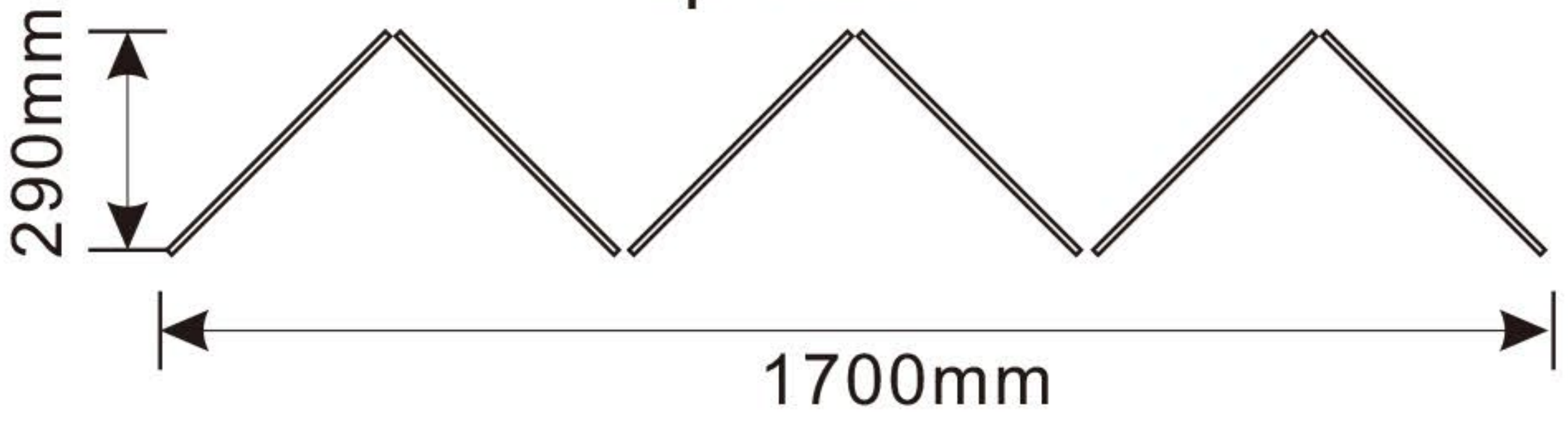
Top View



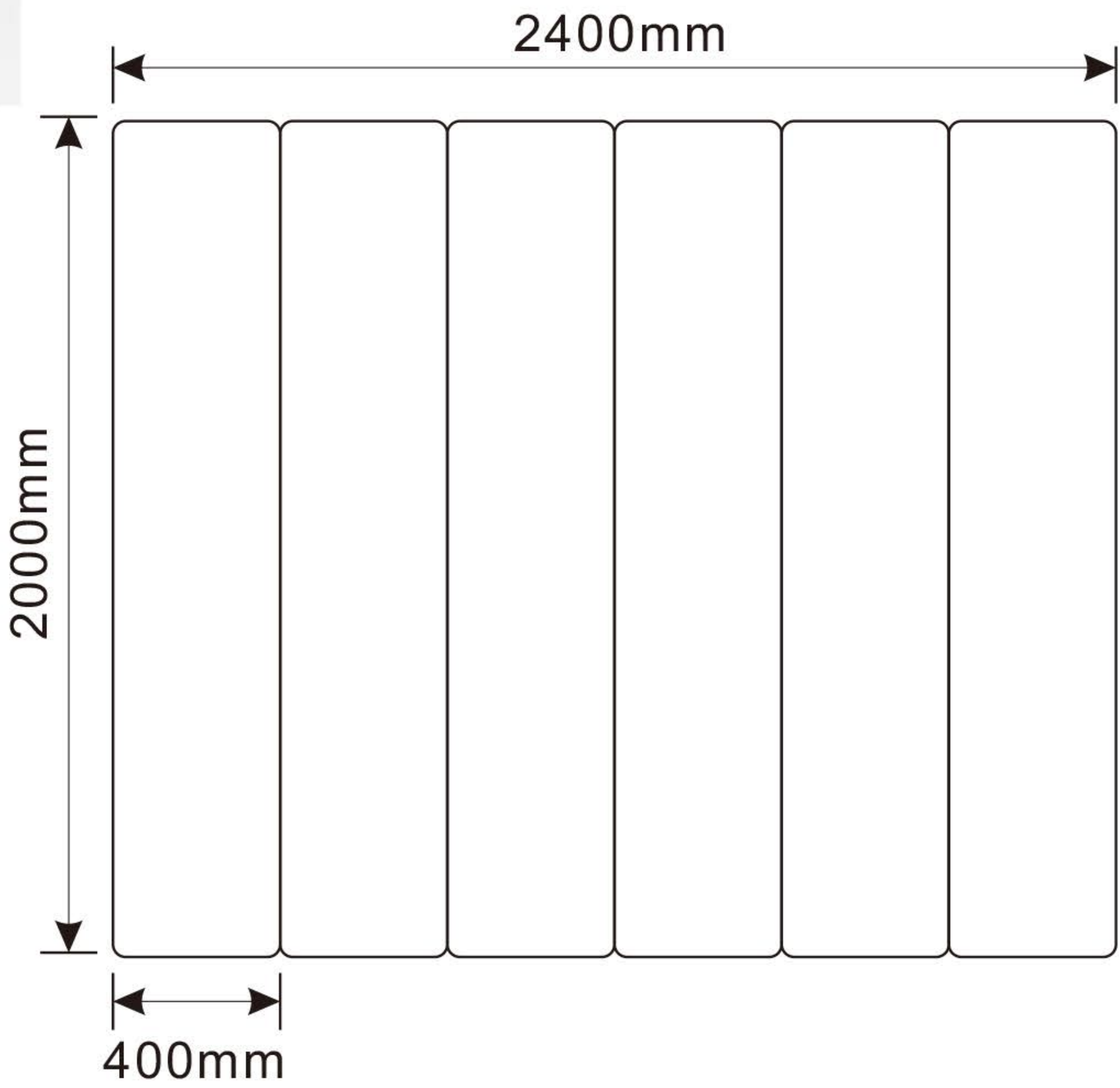
B



Top View



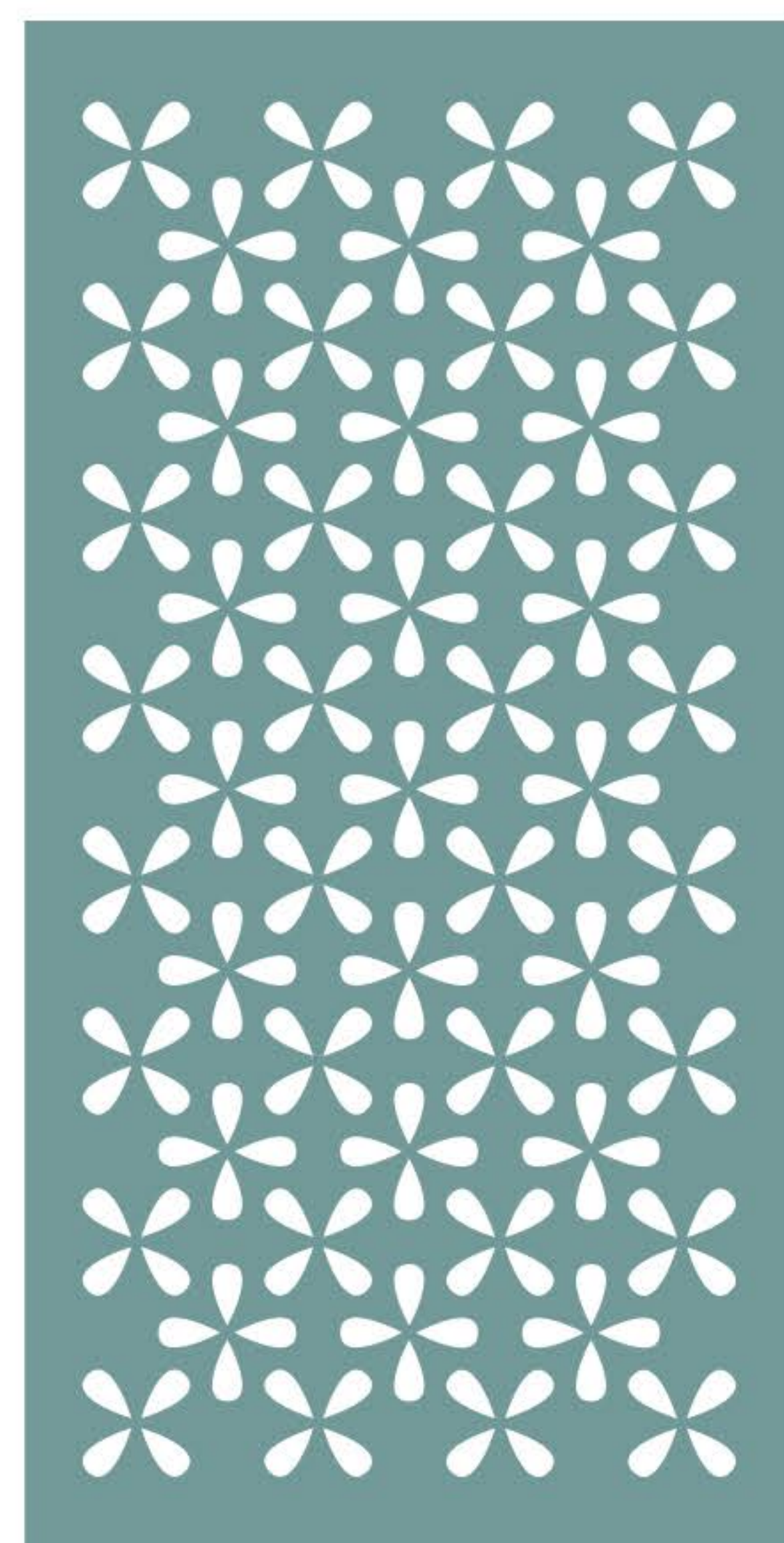
Front view



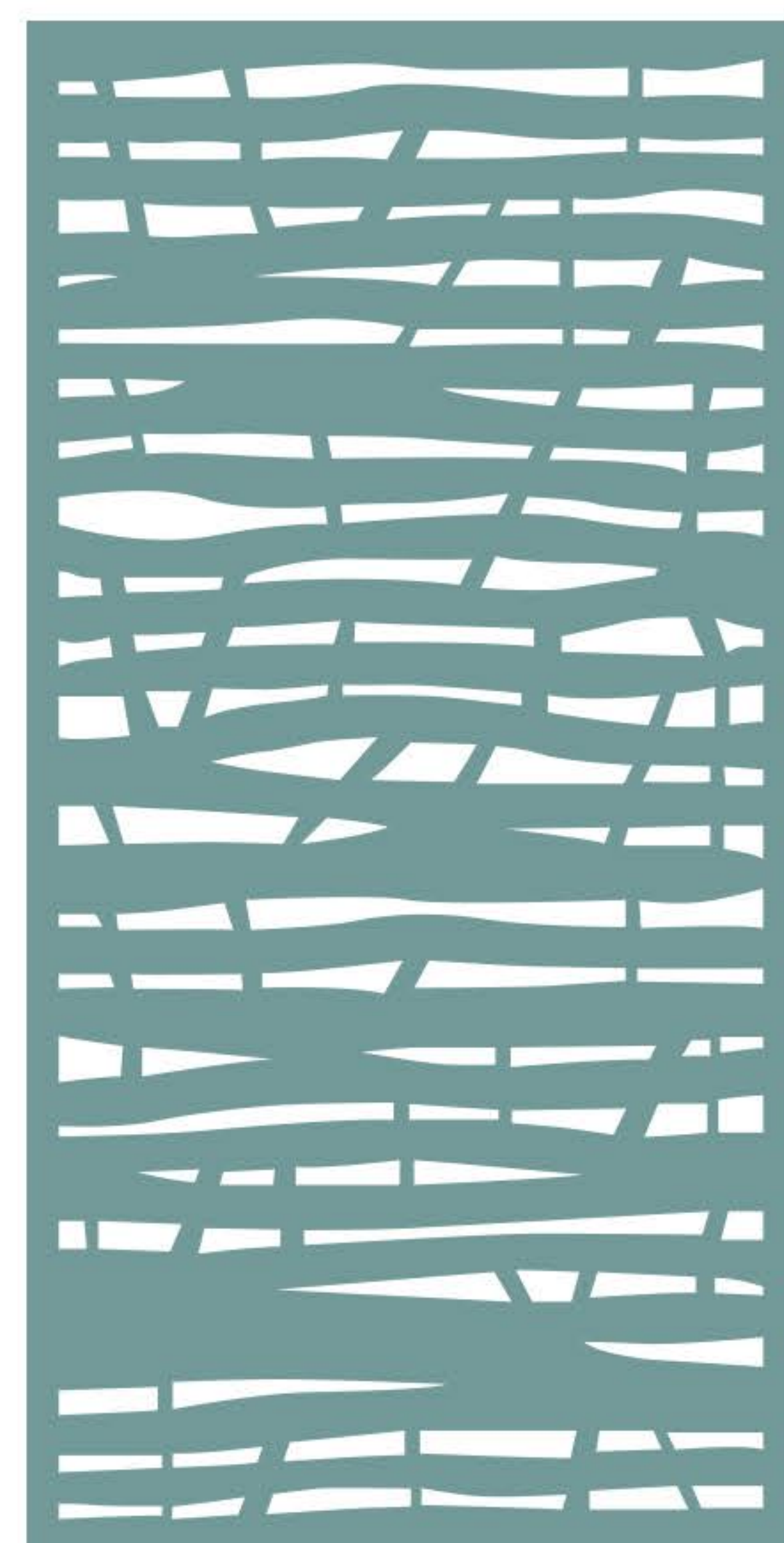
PATTERN ENGRAVING BOARD

BASIC INFORMATION

Product name: ACOUSTIC PANEL
Pattern engraving board
Finished size: 600*1200mm
1200*2400mm
Thickness: 12mm、20mm
Customizable



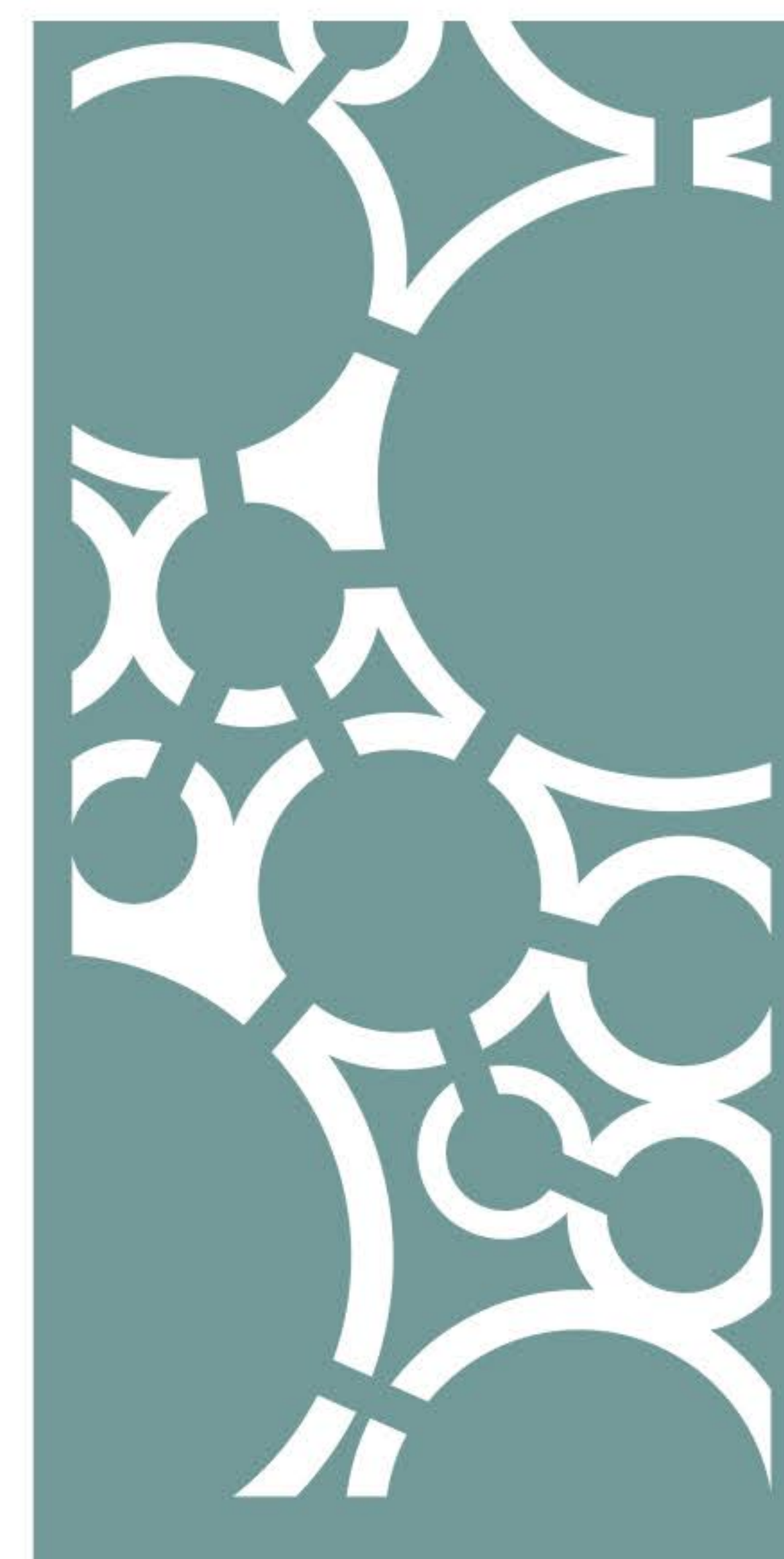
TH-TA-001



TH-TA-002



TH-TA-003



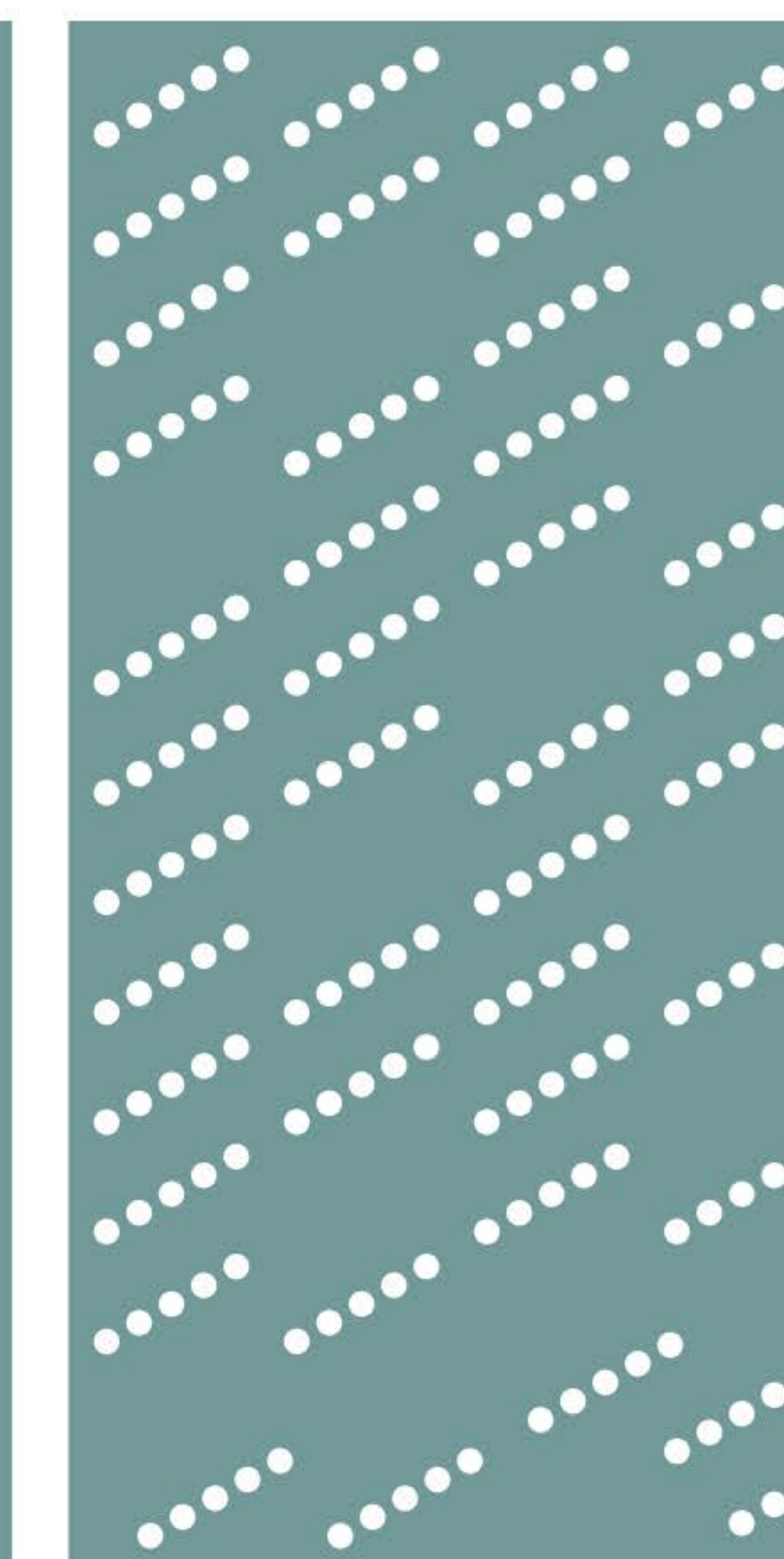
TH-TA-004



TH-TA-005



TH-TA-006



TH-TA-007



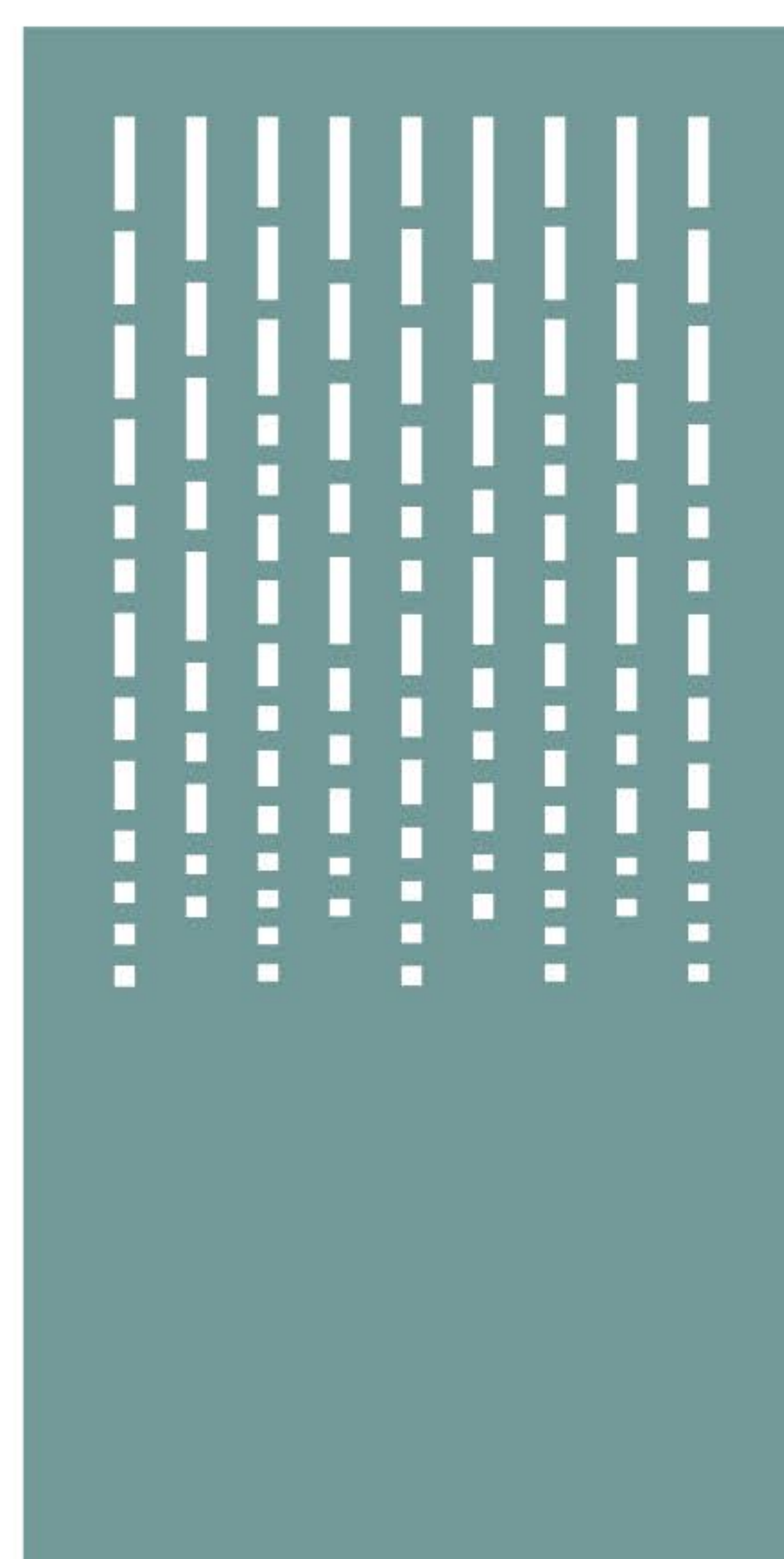
TH-TA-008



TH-TA-009



TH-TA-010



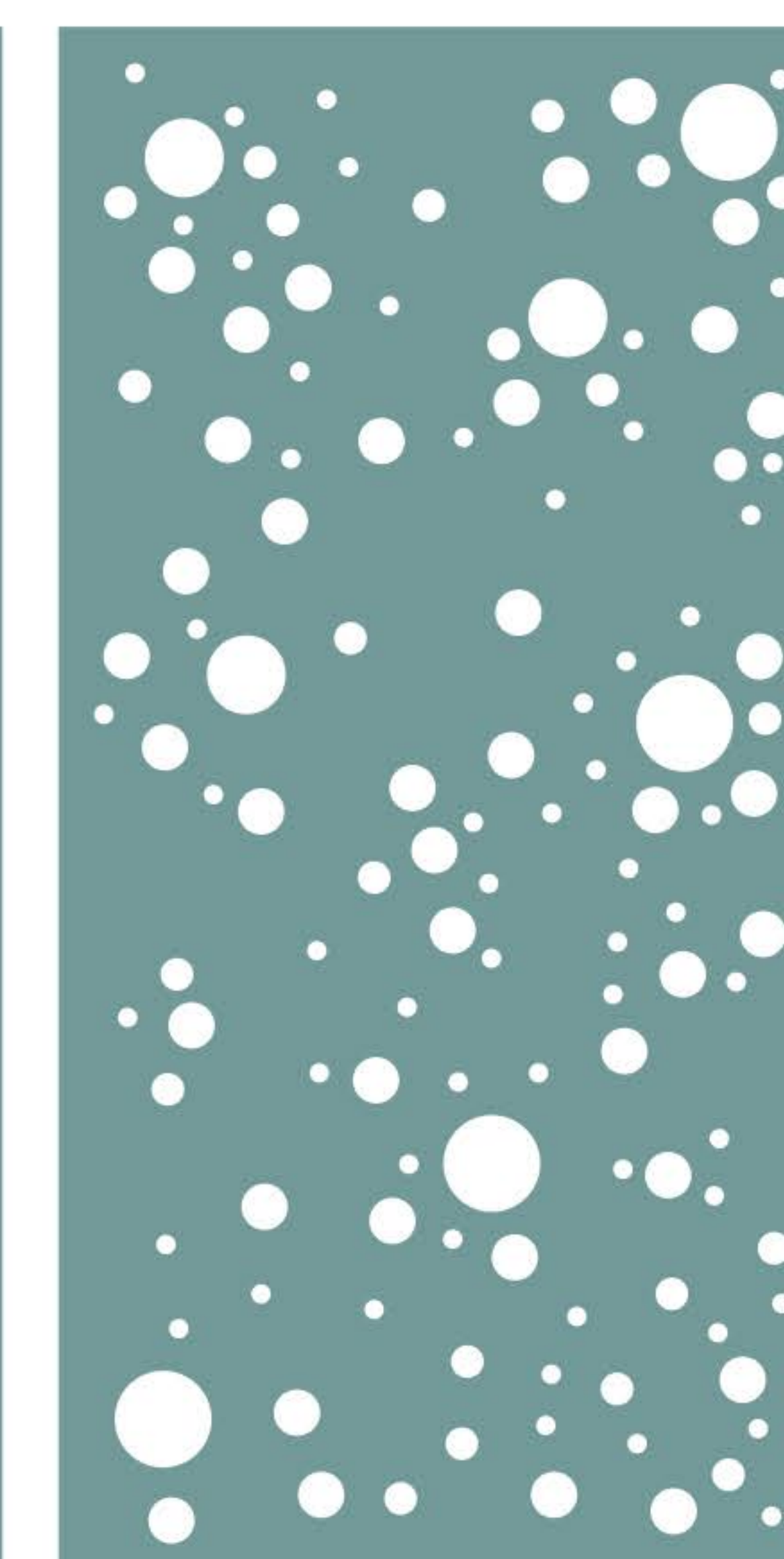
TH-TA-011



TH-TA-012



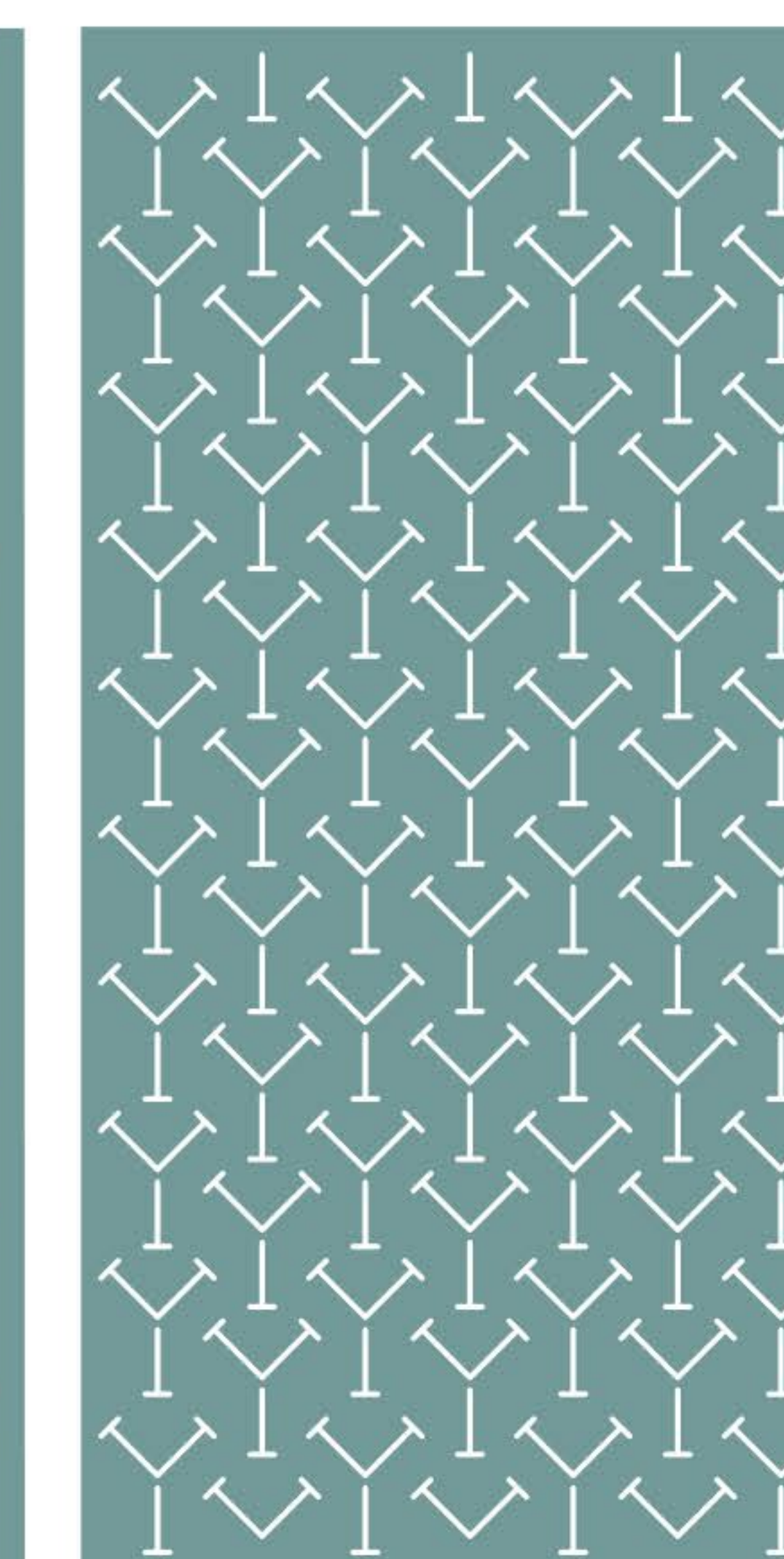
TH-TA-013



TH-TA-014



TH-TA-015



TH-TA-016

WALLBOARD

Assembling decorative building materials State high-tech Enterprises
To give you a healthy and safe home

Product specification: 600x2440x9mm
650x2800x9mm



Sound absorption and insulation



Quick and easy



Waterproof and moisture-proof



Heat preservation and insulation



Fire and flame retardant



FDA food grade certification



Certification of children's toys



International SGS certification



European CE certification



ASTM certification

Inspection certificate

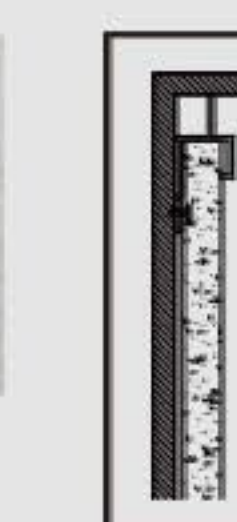
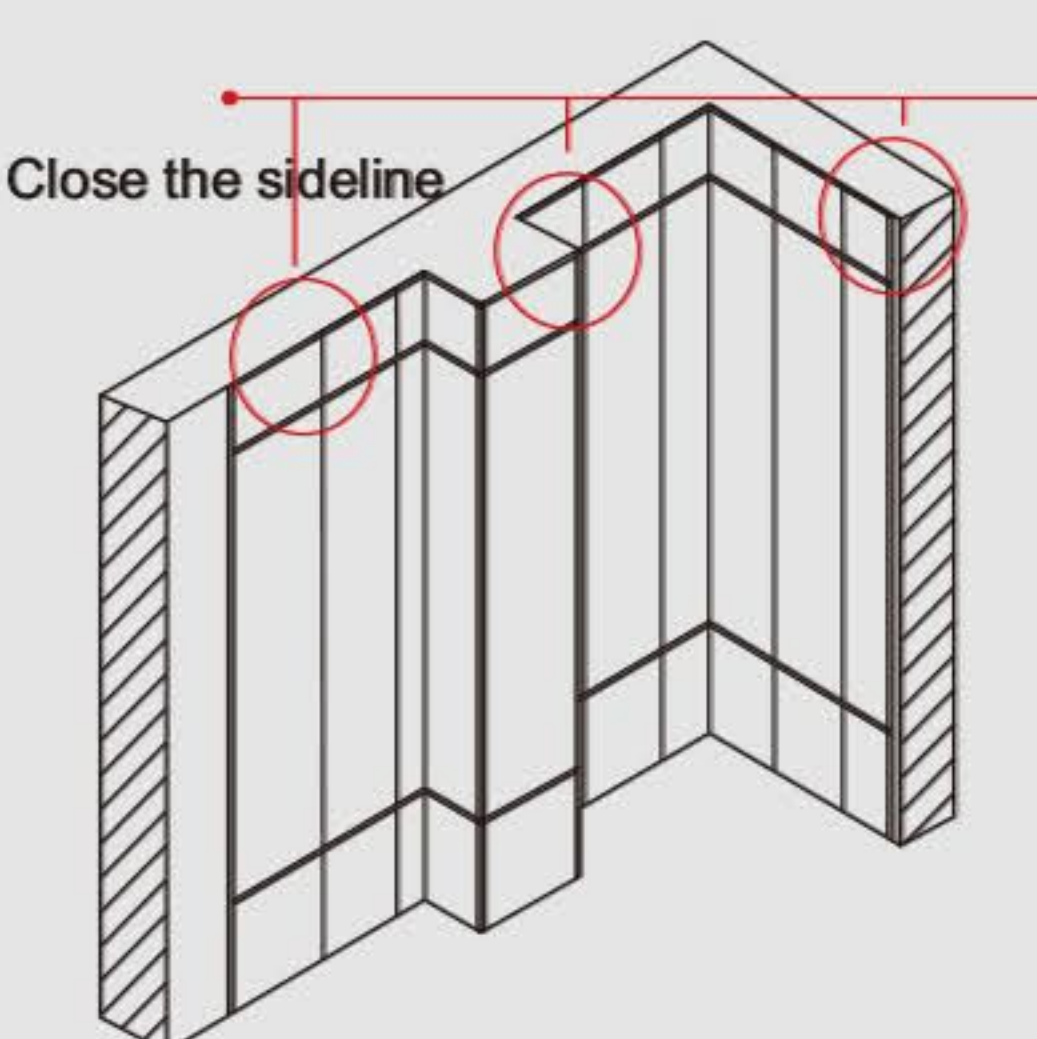


Installation diagram



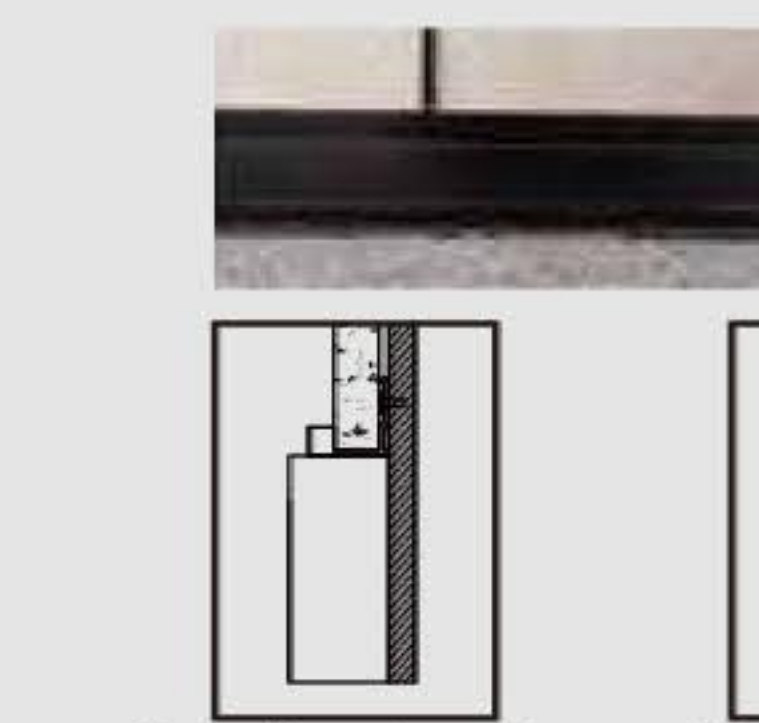
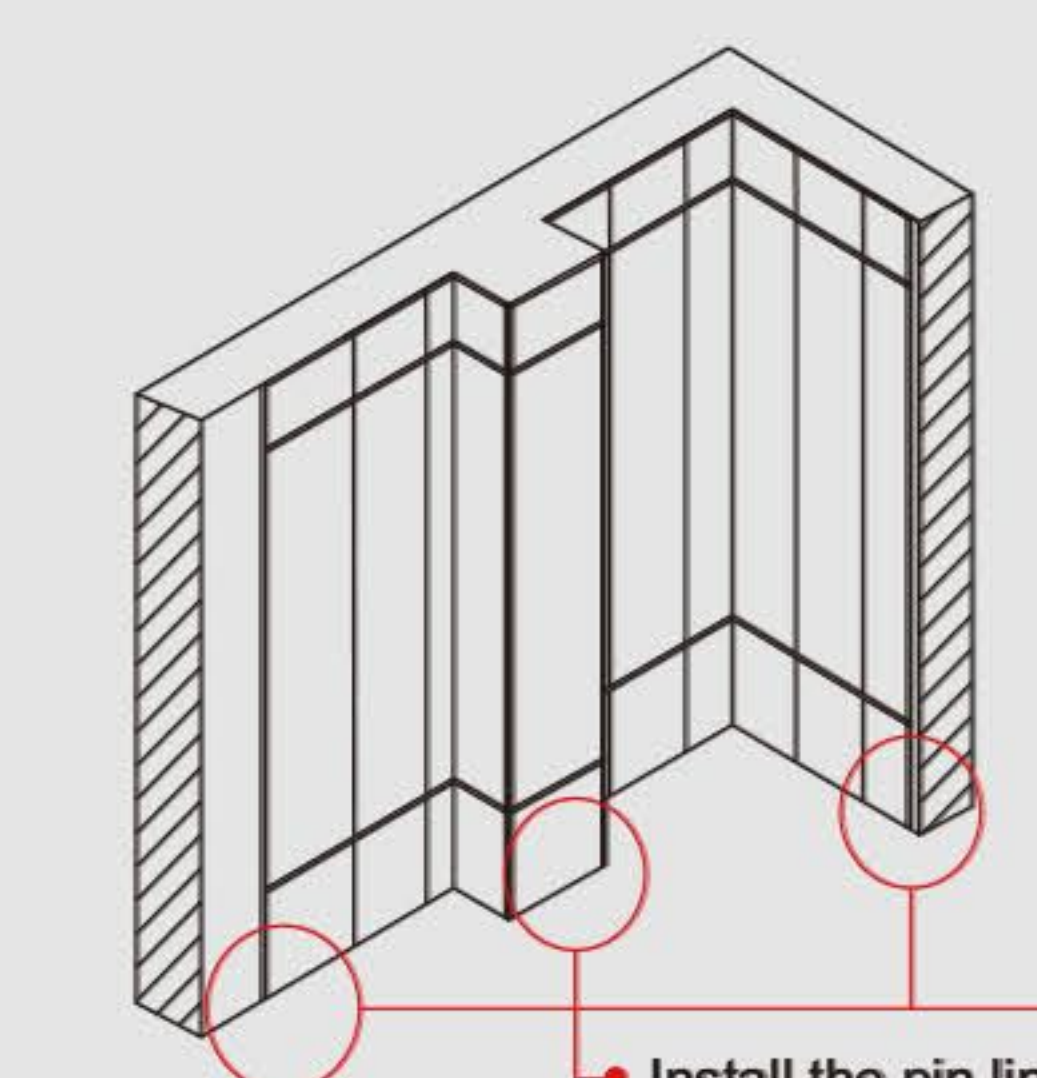
1

05 Close the sideline



Top line

2

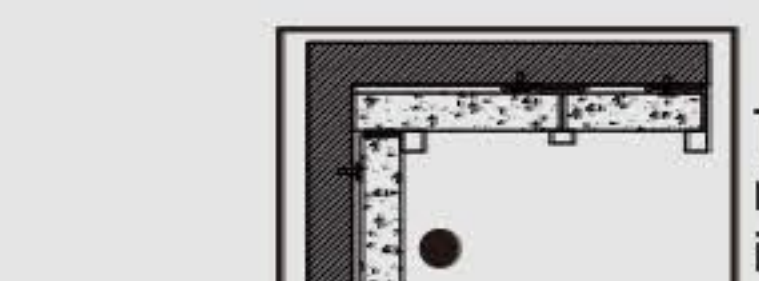
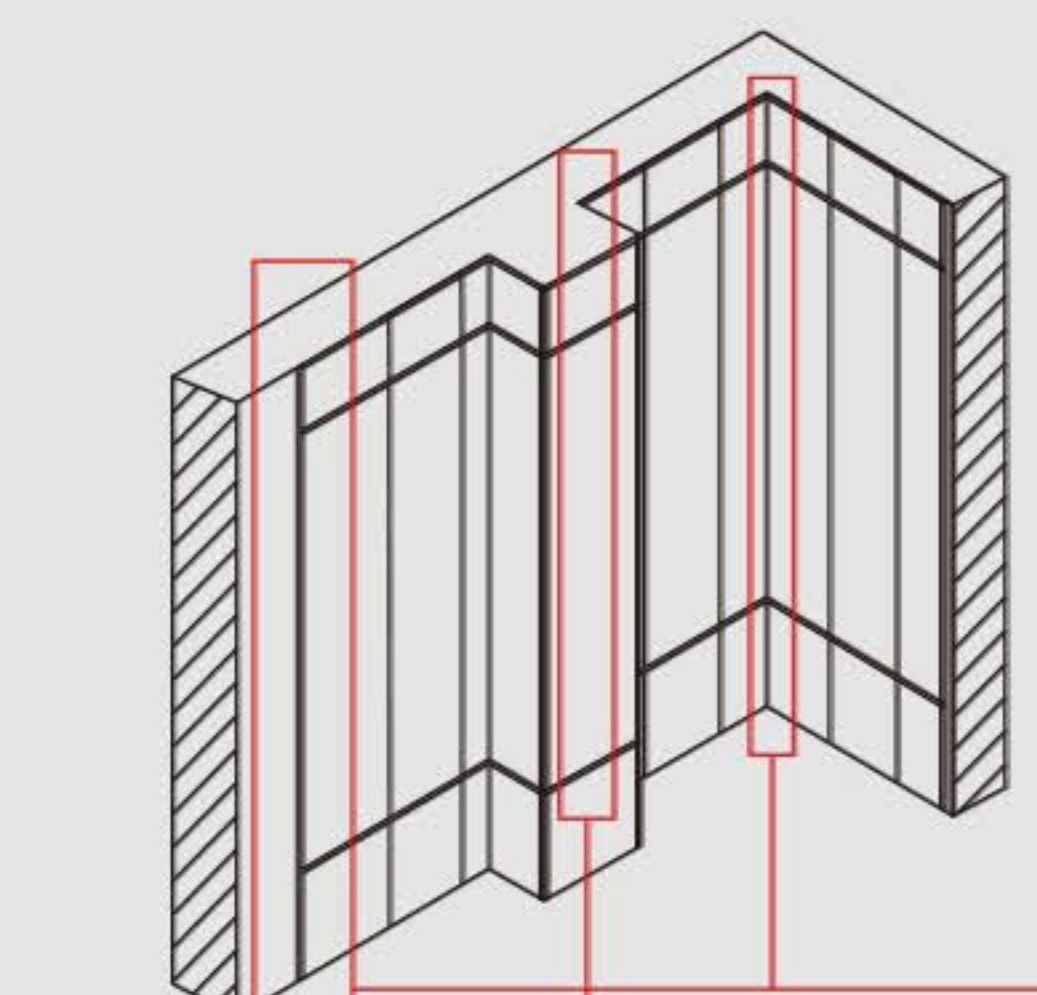


Own footing line 20 Foot line

The second step Install the footing board; (Original footing; Stick to one's feet Install 05 edge line above the line)

Install the pin line

3



The left side of the negative Angle is installed

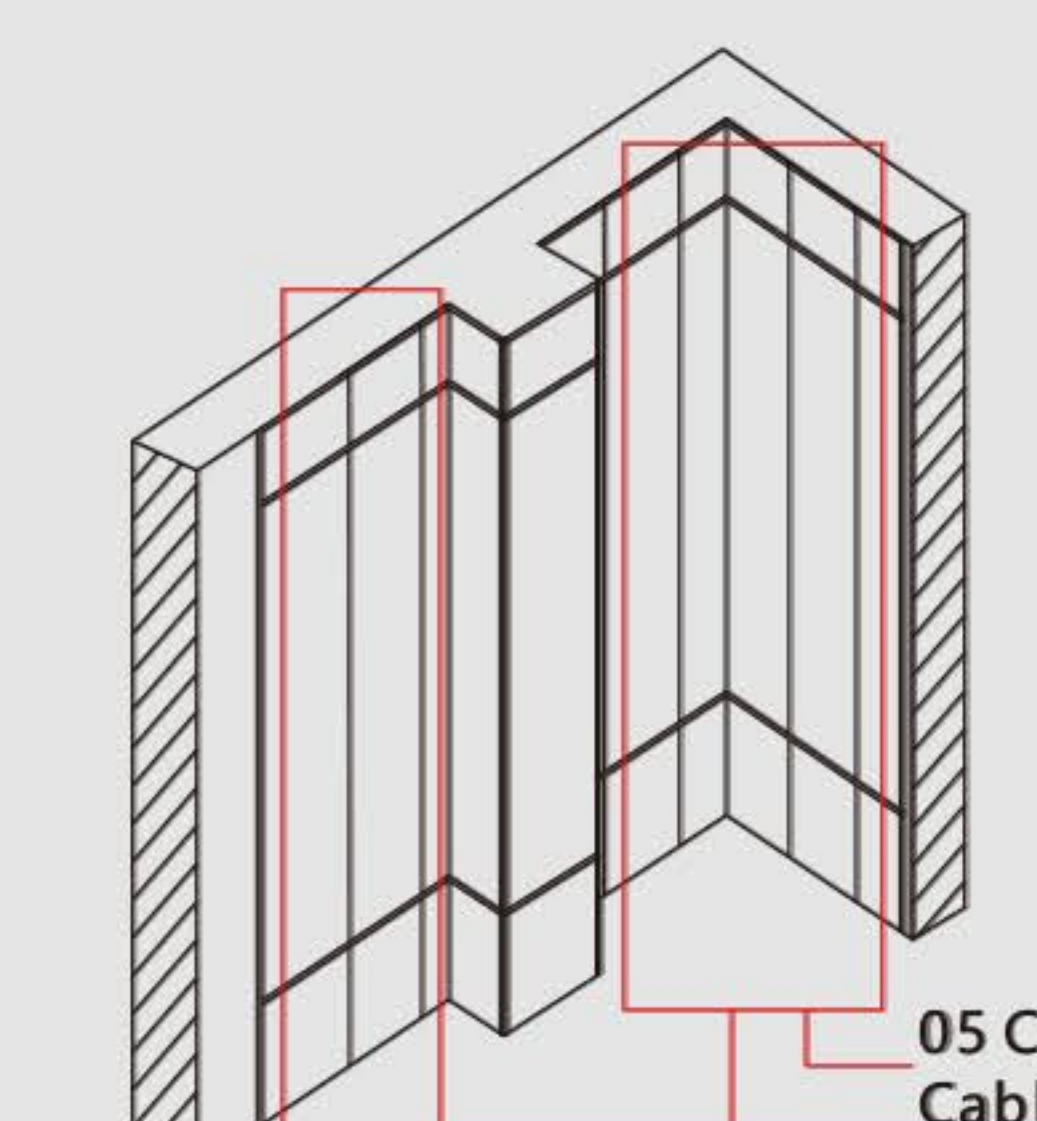
Left side mounting



Step 3: Install 05 edge lines on the left side

Install 05 edge lines on the left side of each wall

4

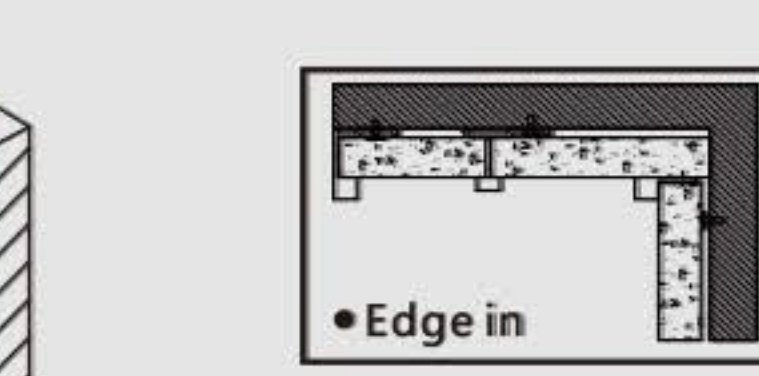
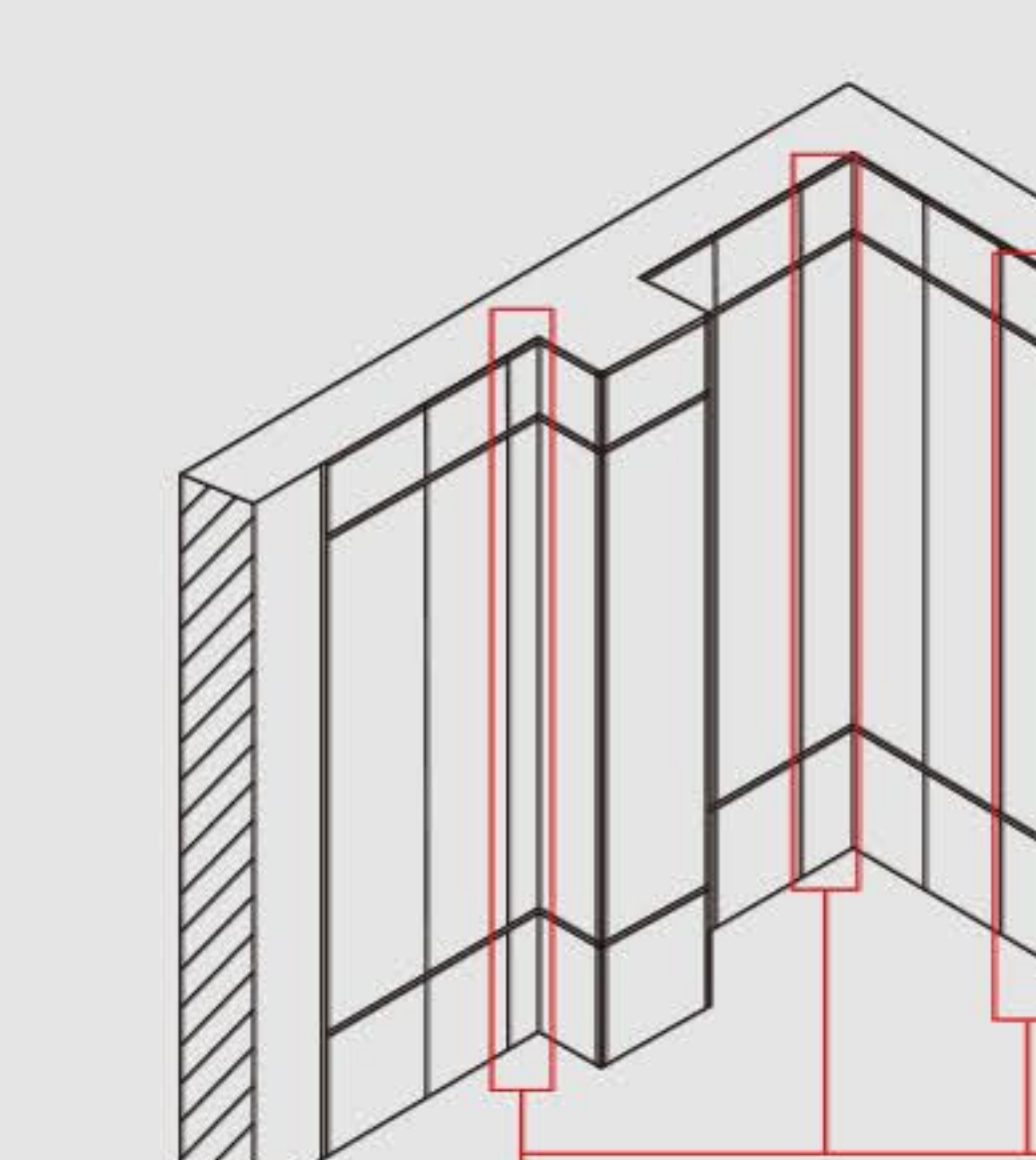


Step 4: Install wall panels Between the wall panels need to see the line installation 05 connection Cables, no lines are visible. 01 Connect cables Secondary installation lines and plates

05 Connecting Cables

01 Connecting Cables

5



Edge in



Step 5: Finally, cut, wall panel installation 05 line

Cut wall panels and install trimming lines



Linen series



Cashmere series



American wall cloth series



A PRIVATE VILLA BELONGING TO TA

Let them use their villa for more than one season

It belongs in its private space



Warm in winter and
cool in summer



Air ventilation



Colorful



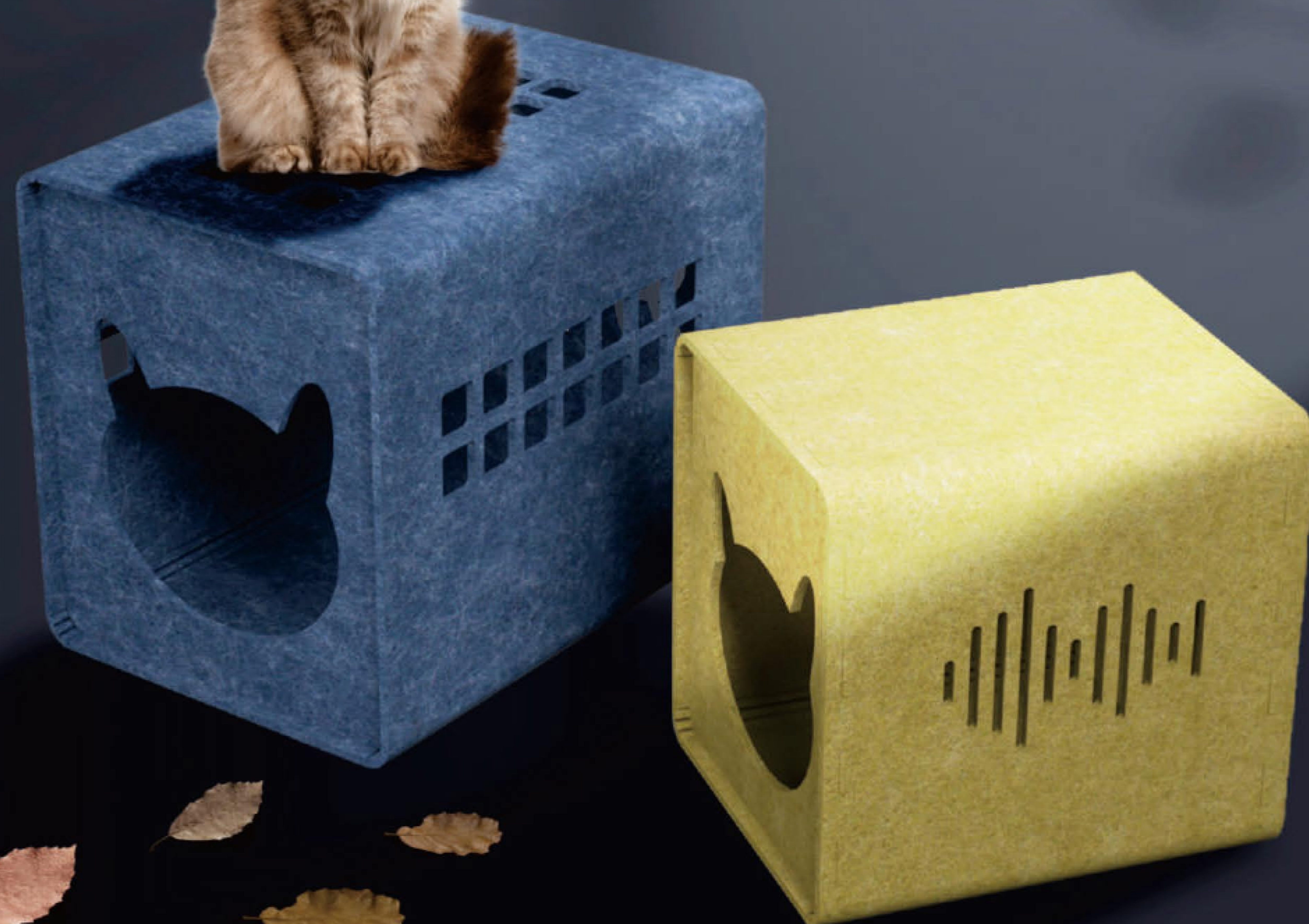
Fast mounting



all-season



Fun styling



SOLVE THE PROBLEM OF PET DWELLING

With it, you no longer have to worry about pets sleeping unhappy

BUCKLE MOUNTING

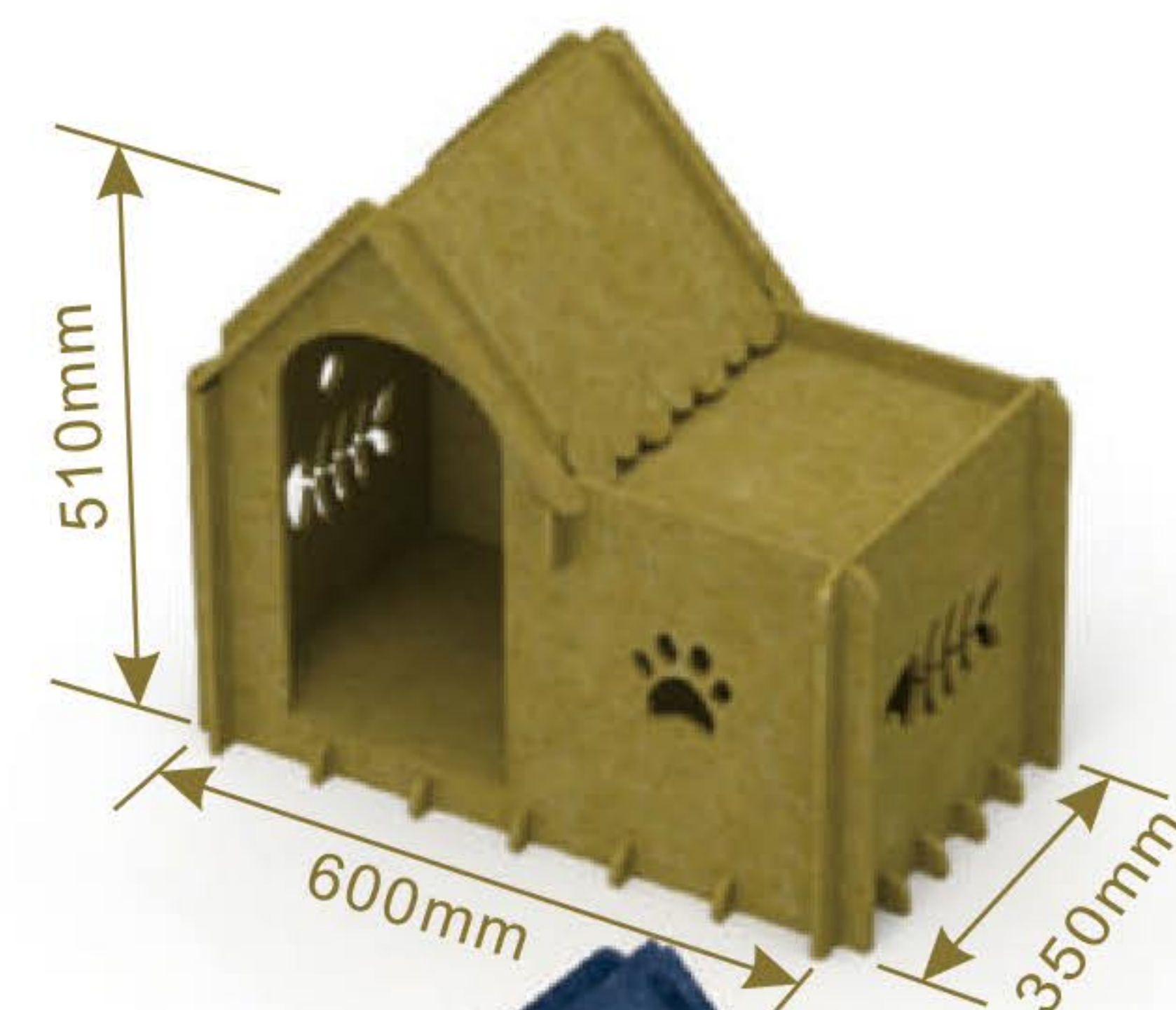
Simple installation, no
equipment required



PRODUCT INFORMATION

M

Suitable for pets around 4 kg



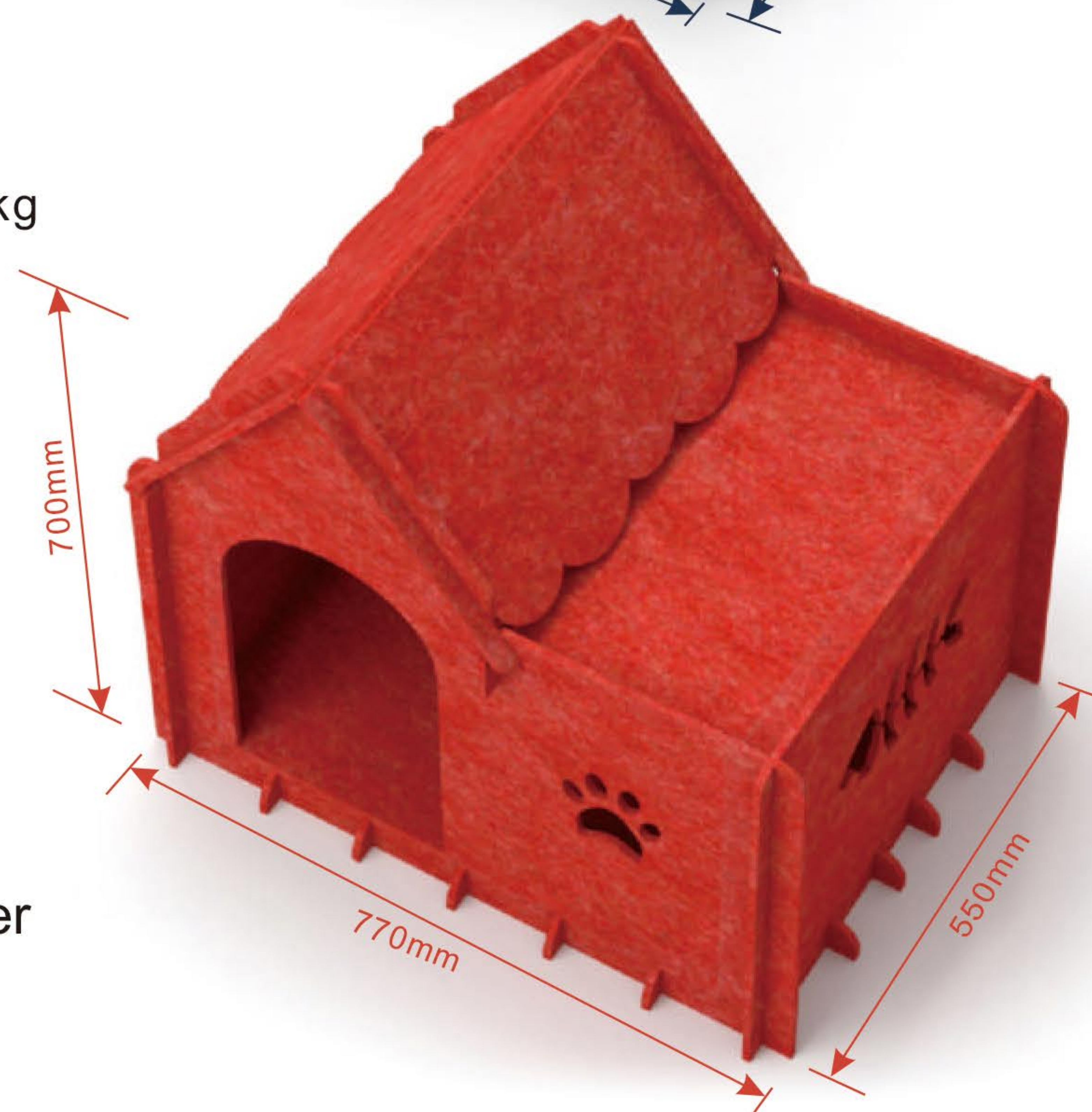
L

Suitable for pets around 7.5kg



XL

Suitable for pets up to 20 kg



Model: CYS-01

Color: Multi-color option

Material: 99.9% polyester

Specification: General

Thickness: 9mm

Manual measurement error, please refer to the actual!

PRODUCT INFORMATION

Brand: Pet element

Model: CYS-02

Color: Multi-color option

Material: 99.9% polyester

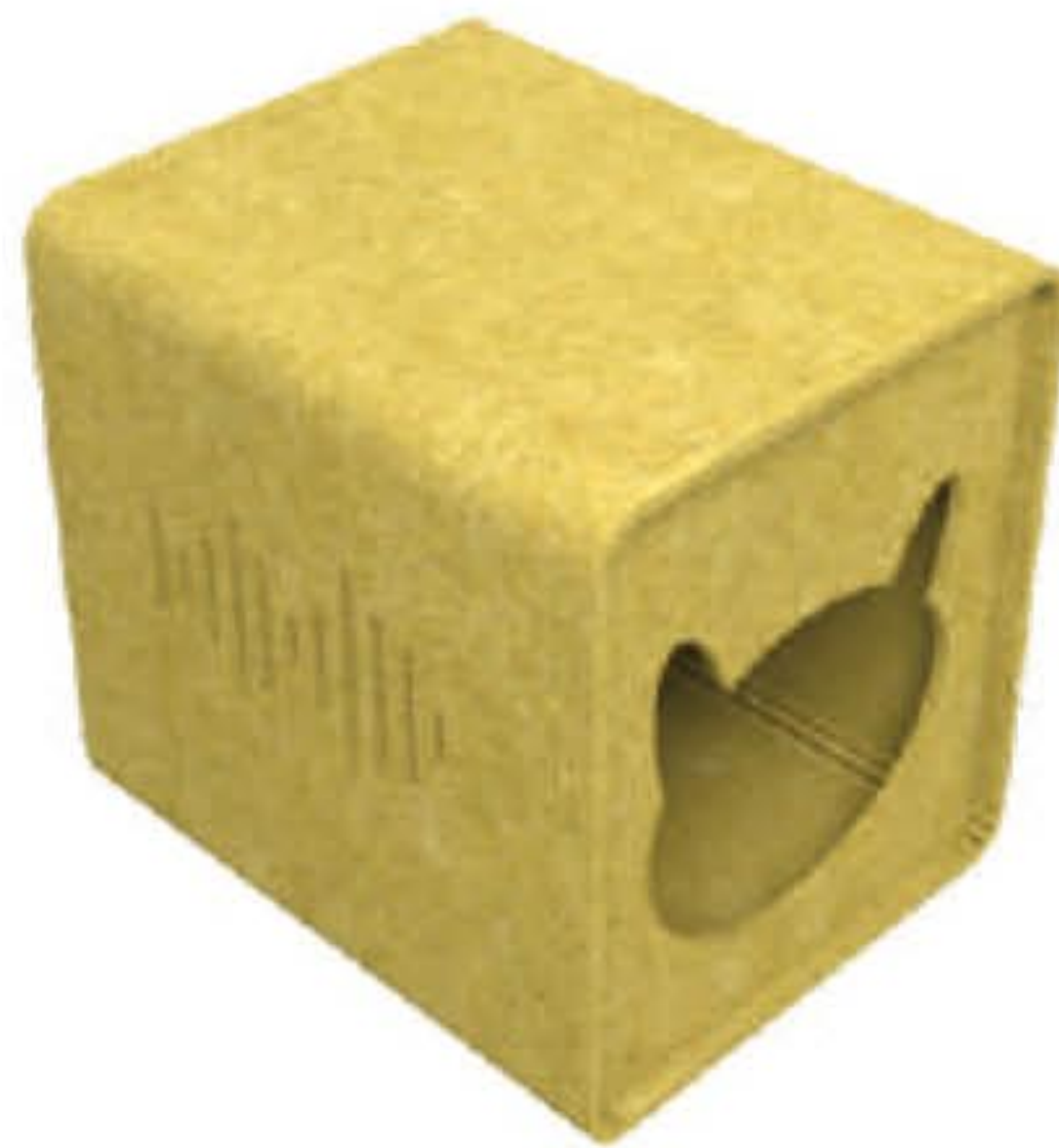
Specification: General

Thickness: 9mm



PRODUCT MODEL

Model: CYS-02-1

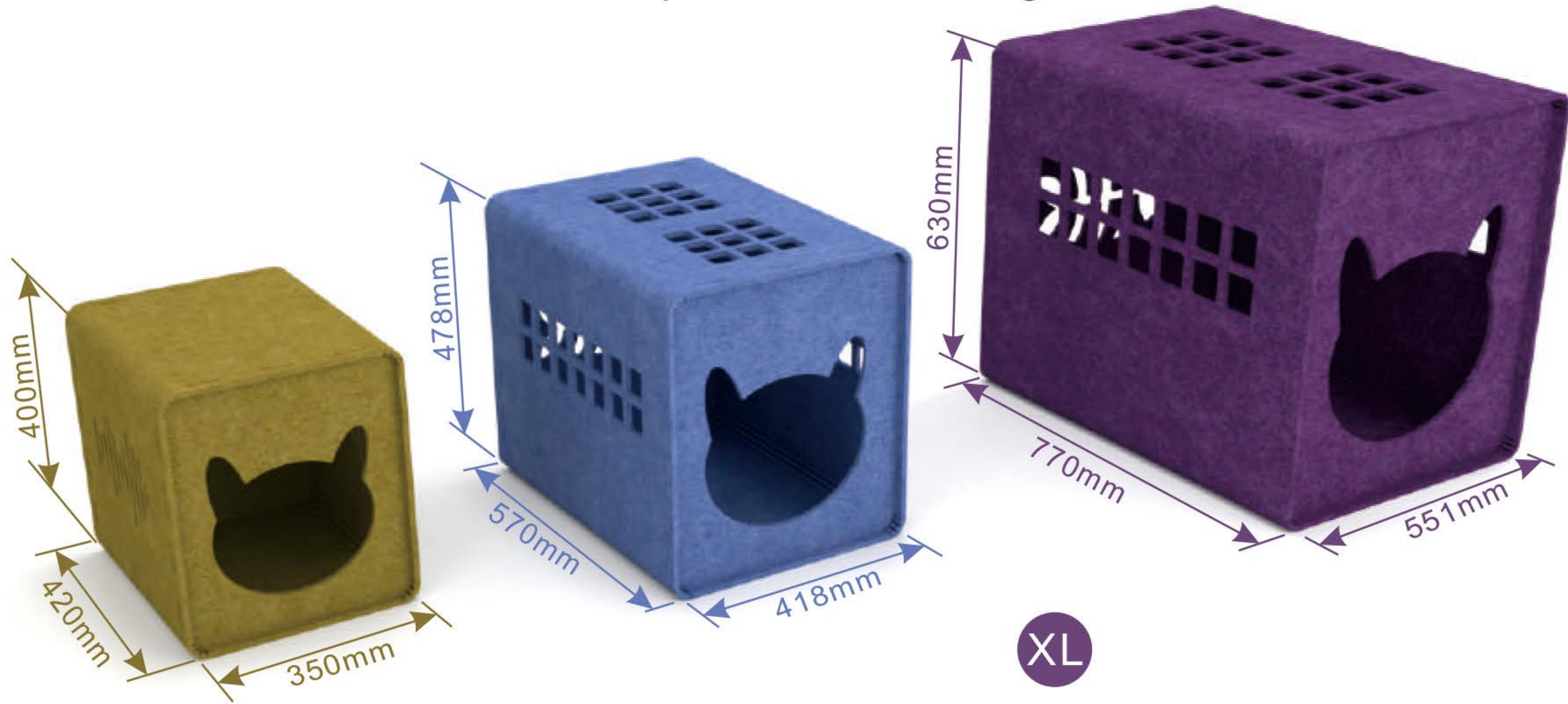


Model: CYS-02-2



L

Suitable for pets around 7.5kg



M

Suitable for pets around 4 kg

XL

Suitable for pets up to 20 kg

Manual measurement error, please refer to the actual!

PRODUCT INFORMATION

Brand: Pet element

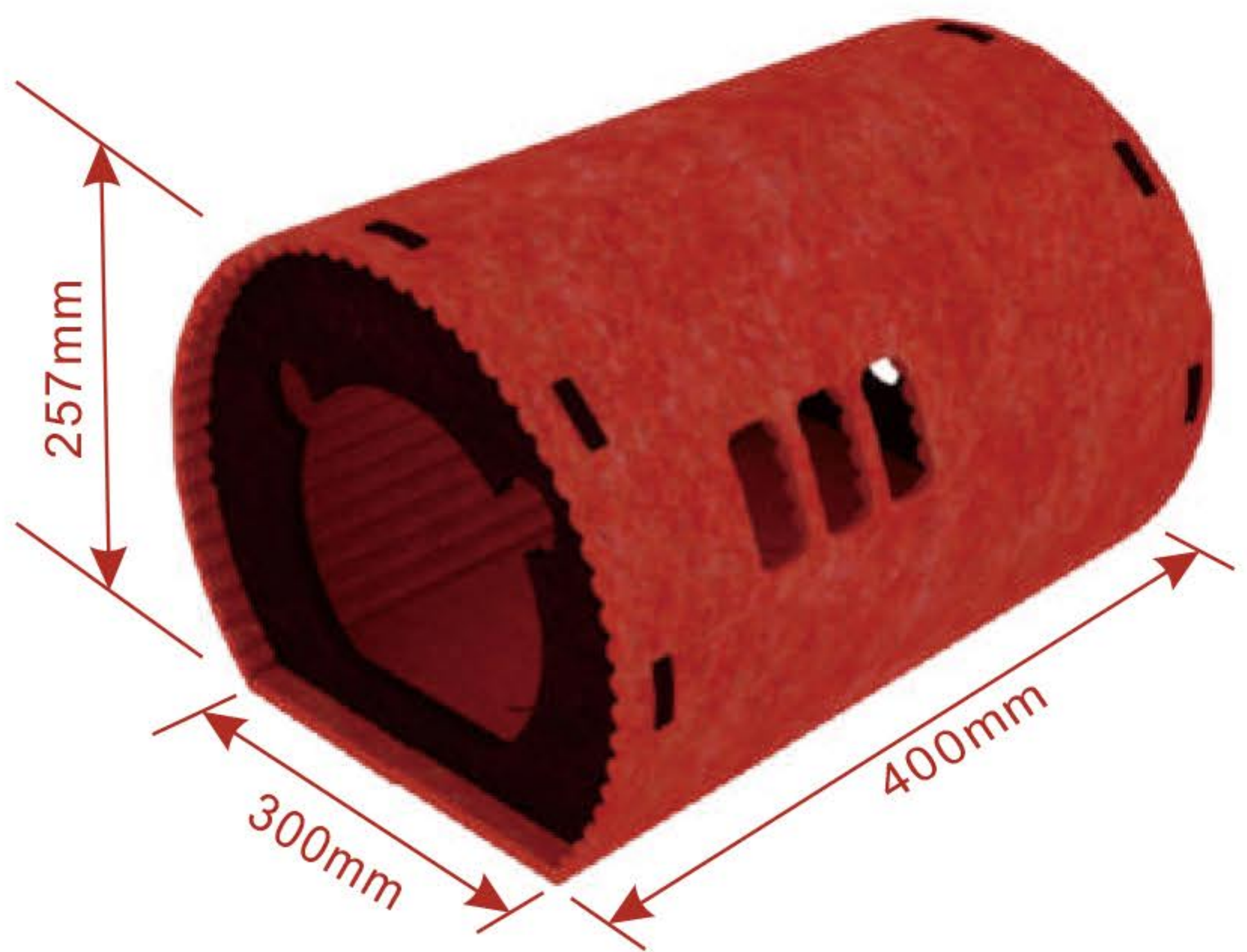
Model: CYS-03

Color: Multi-color option

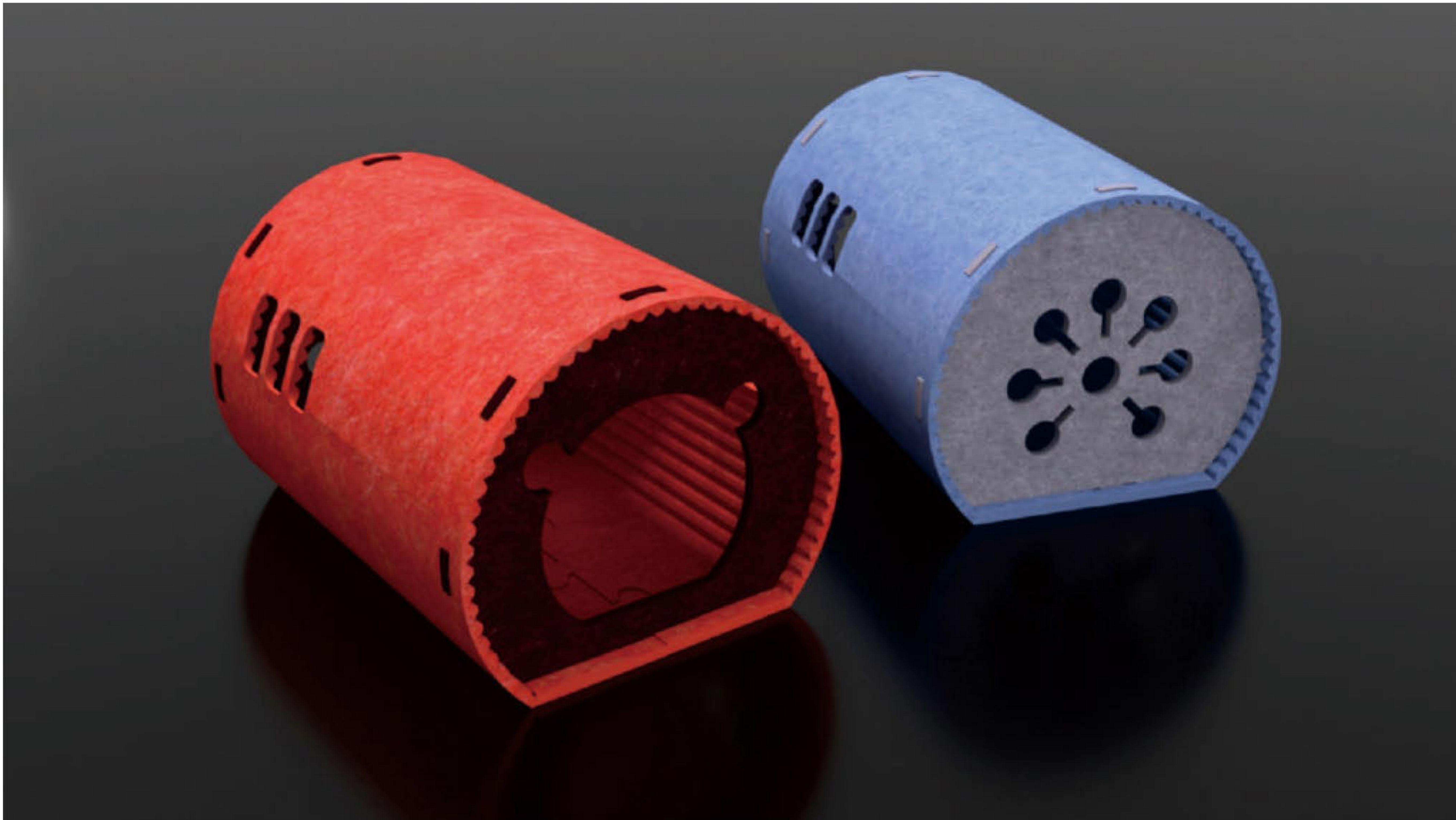
Material: 99.9% polyester

Specification: General

Thickness: 9mm



Suitable for pets under 2 kg

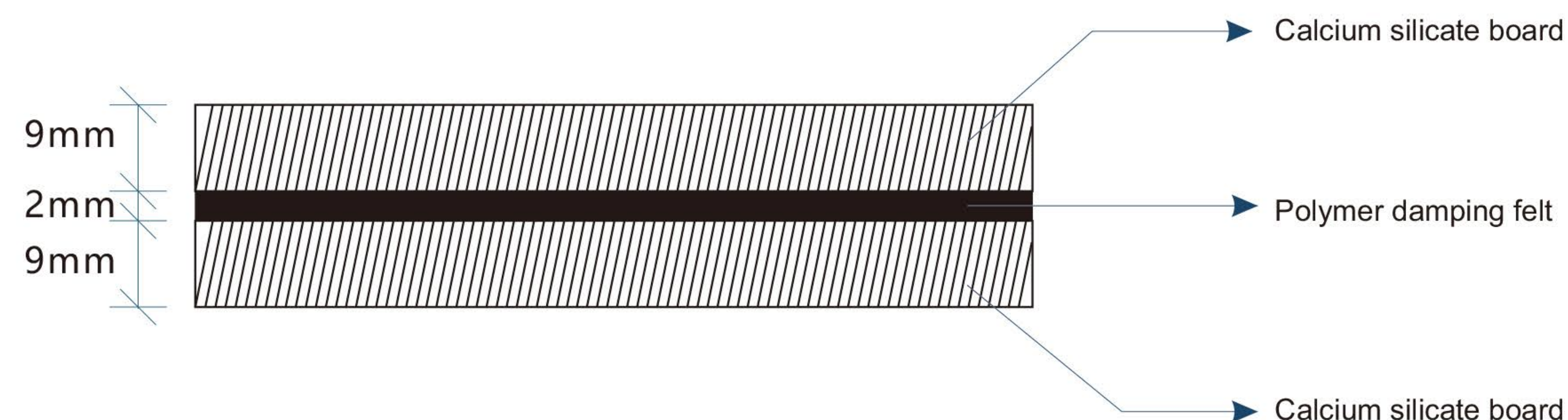


CALCIUM SILICATE SOUNDPROOF PANEL



Calcium silicate board + soundproof felt + calcium silicate board

Product specification:
600x1200x20mm
1200x1200x20mm

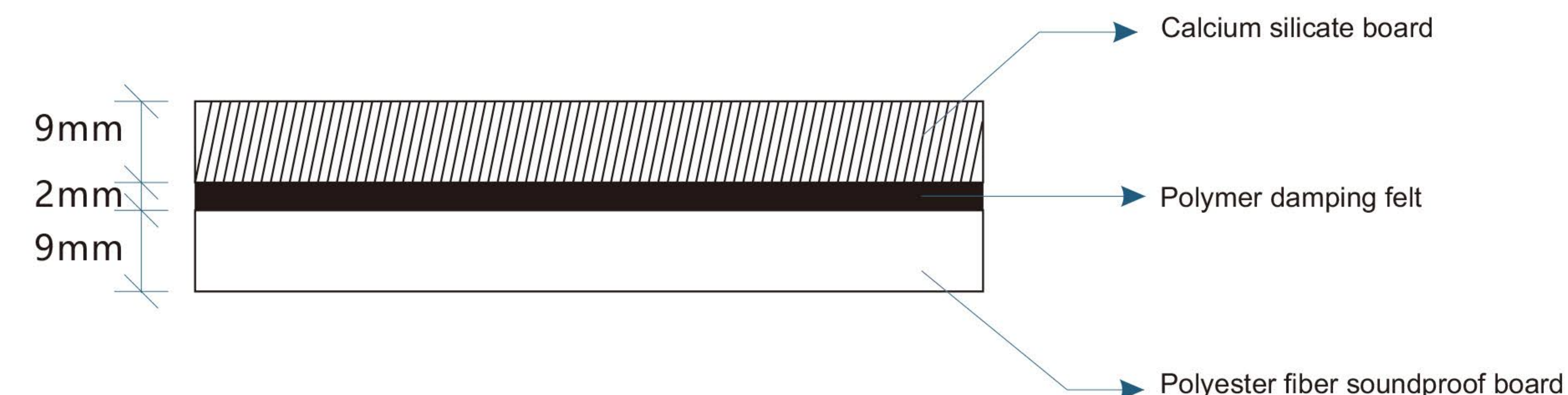


Damping sound insulation felt is a kind of polymer sound insulation felt with high performance, high quality and excellent transmission loss. Using new environmentally friendly raw materials, halogen-free renewable polymer as raw materials, green environmental protection, free of formaldehyde, benzene, asbestos and radioactive substances and other harmful ingredients. Making full use of the quality laws of building acoustic materials, the damped sound insulation felt can effectively absorb the noise transmitted by the partition through the building structure of walls, ceilings and floors. Strong damping and surface density can greatly improve the volume insulation of the raw material. Sandwich composite without substrate, wooden board, etc., the sound insulation of the composite structure can reach 10-29dB.



Calcium silicate board + soundproof felt + polyester fiber sound-absorbing board

Product specification:
600x1200x20mm
1200x1200x20mm



WALL SOUND INSULATION SCHEME

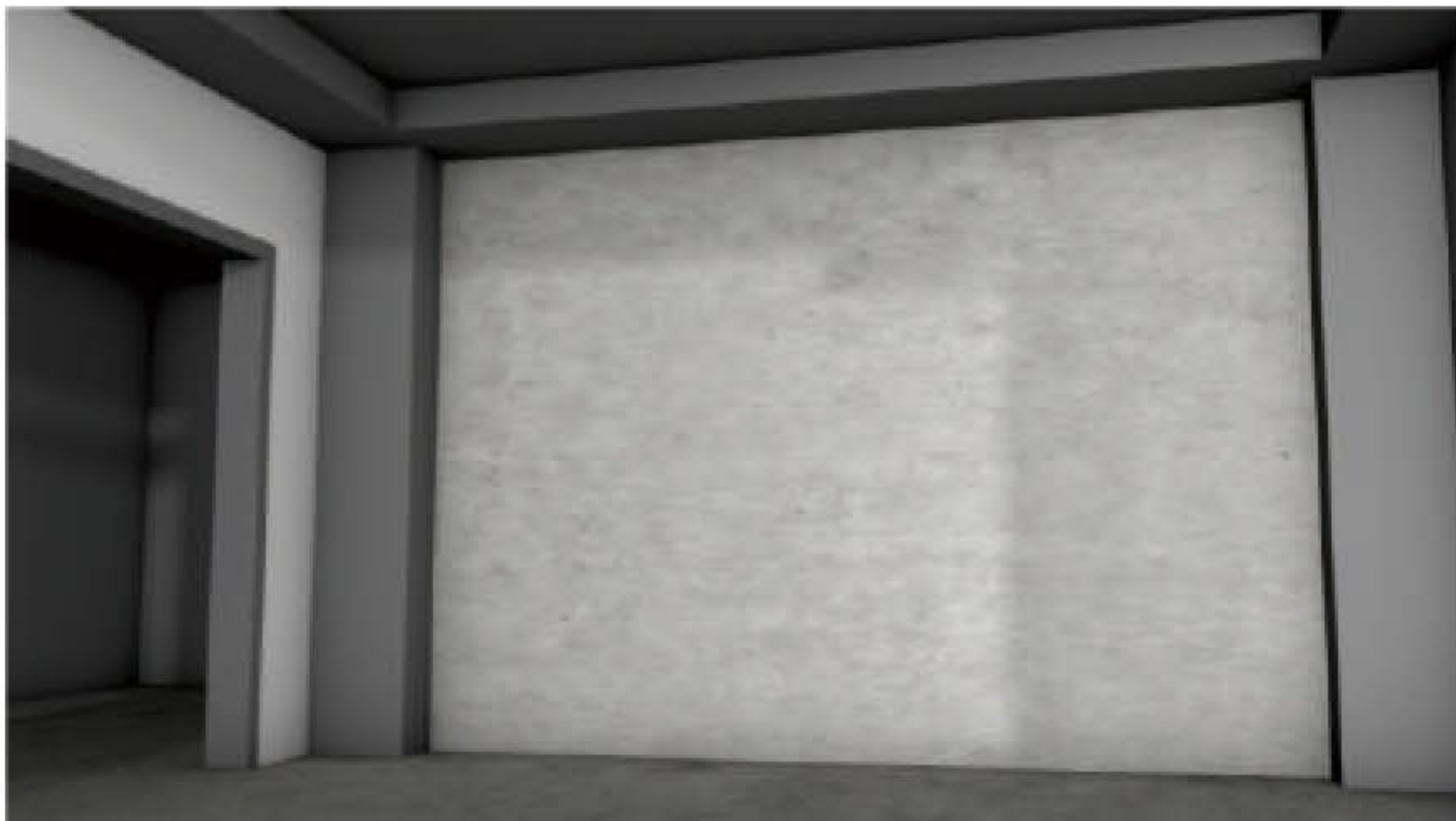
The living room belongs to the space of soap operas and football leagues, and the study room is the stage wall enhancement for children's growthSound insulation structure, foam hollow brick, light wall panel and other original wall structure, can not meet the living room and other space sound insulation referenceStandard demand, do not remove the damage to the original wall, build enhanced sound insulation layer has become the first choice to solve the problem, so that homeLife no longer compromises...

OPTION ONE

Wall enhanced sound insulation structure

	Product name Acoustic cotton absorbent Product model BE500 Product Specifications W495xH495xT25mm Product weight 500g/m²	Inside there are a large number of tiny connected pores, along which sound waves can penetrate deep into the material, friction with the material to convert sound energy into heat.It is a porous sound absorption material, and the sound absorption characteristic is that the sound absorption coefficient gradually increases with the increase of frequency, which means that the low frequency absorption is not as good as the high frequency absorption. The necessary conditions for sound absorption of porous materials are: the material has a large number of pores, the pores are interconnected, and the pores are deep inside the material.
	Product name Calcium silicate soundproof panel Product model G600 Product Specifications 1200x2400x10mm Product weight 28kg/m²	The calcium silicate sound insulation board is composed of a high density silicate board on the top, a middle damping sound insulation felt and a bottom silicate board. The damped sound insulation felt is a kind of polymer sound insulation felt with high performance, high quality and excellent transmission loss. Using new environmentally friendly raw materials, halogen-free renewable polymer as raw materials, green environmental protection, free of formaldehyde, benzene, asbestos and radioactive substances and other harmful ingredients.Making full use of the quality laws of building acoustic materials, the damped sound insulation felt can effectively absorb the noise transmitted by the partition through the building structure of walls, ceilings and floors. Strong damping and surface density can greatly improve the volume insulation of the raw material. Sandwich composite without substrate, wooden board, etc., the sound insulation of the composite structure can reach 10-29dB.
	Product name Sound insulation damping sealant Product model G600 Product Specifications 300x50mm Product weight 600ml	Product features Effectively used in plate type inorganic material joint sealing and metal rubber and other materials damping vibration reduction fixed. Non-corrosive to organic, inorganic materials and metal, rubber, excellent aging resistance, good adhesion to a variety of substrates, moisture resistance and high and low temperature adaptability (-20°C~100°C temperature difference range), stable and reliable performance. It is suitable for filling and sealing the installation joint of the sound insulation structure plate to prevent air leakage, adding glue to the contact surface of the metal keel and the substrate to increase the damping effect and reduce the structural resonance, and fixing the laying position of the ground vibration damping glue.

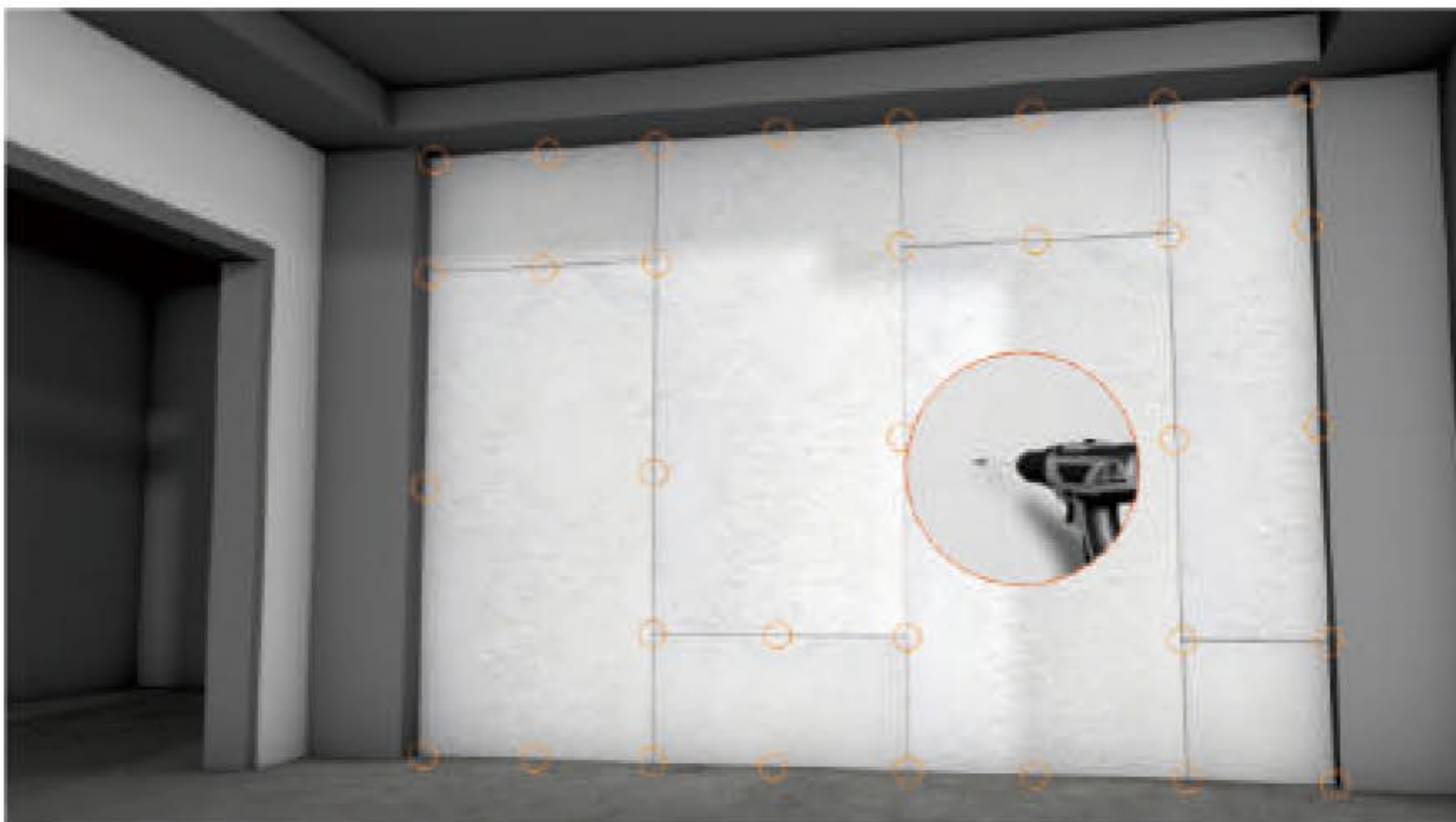
Installation method



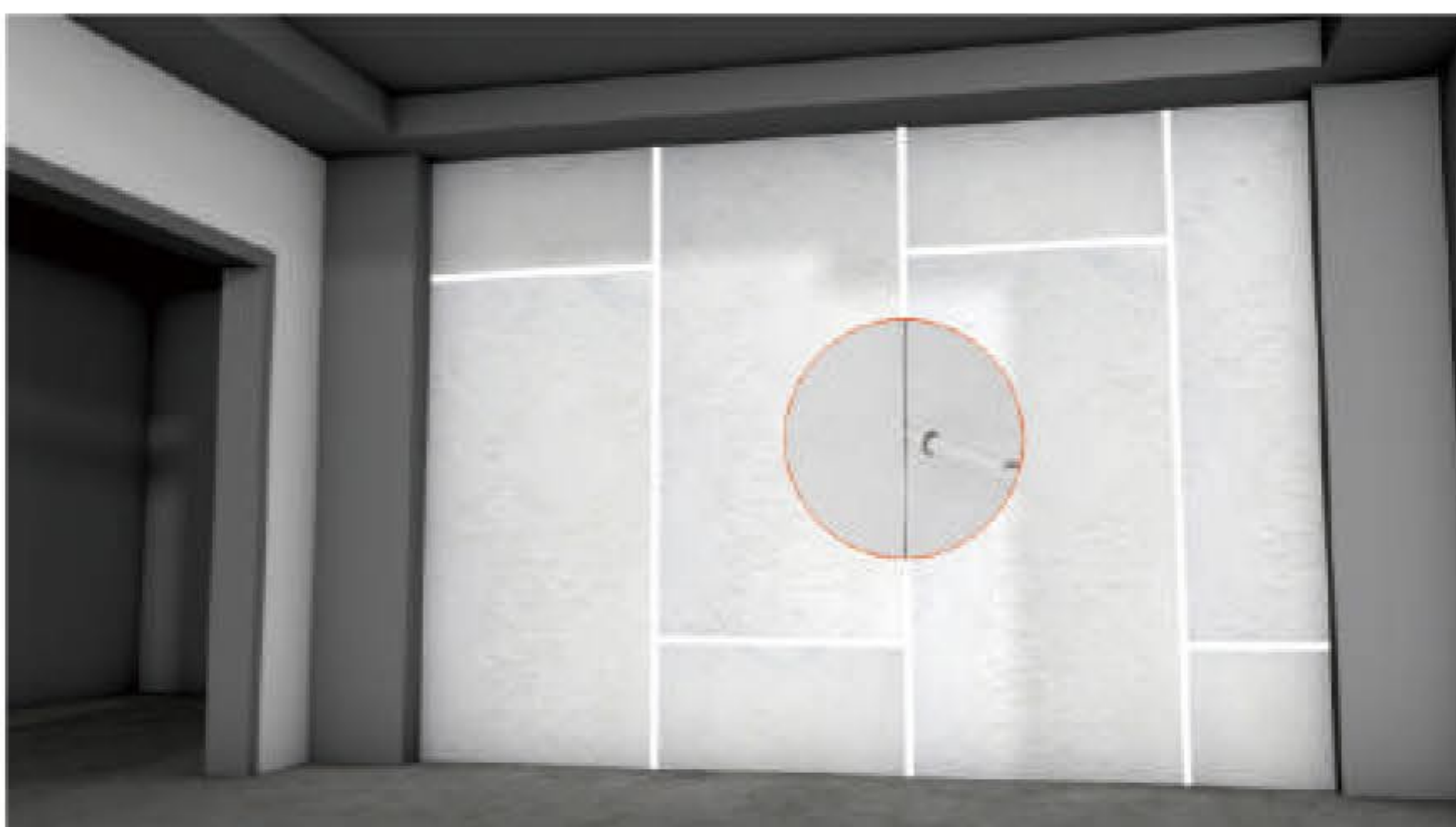
Step 1



Step 2



Step 3



Step 4



Step 5

Step 6

It is suitable to use calcium silicate plate with a thickness of 9mm for the substrate and calcium silicate plate with a thickness of 9mm for the panel. The weight of the wall reinforced sound insulation structure is less than 50kg/m2. Suitable for steel keel or wood keel with bearing quality; It is more ideal for the structural cavity to be filled with acoustic cotton, the joint installation between the substrate and the panel is beneficial to the structural strength and reduce the sound leakage of the gap, and the gap between the plates is filled with G600 sound insulation damping sealant. The thickness of the sound insulation structure of the wall shall be increased ≤75mm.

WALL SOUND INSULATION SCHEME

Maximize the use of space, OFF the light wall sound insulation structure, break through the light wall light and sound insulation can not belt hurts to have both

OPTION TWO

Light partition wall sound insulation structure



Product name
Acoustic cotton absorbent

Product model
BE500

Product Specifications
W495xH495xT25mm

Product weight
500g/m²

Inside there are a large number of tiny connected pores, along which sound waves can penetrate deep into the material, friction with the material to convert sound energy into heat.It is a porous sound absorption material, and the sound absorption characteristic is that the sound absorption coefficient gradually increases with the increase of frequency, which means that the low frequency absorption is not as good as the high frequency absorption. The necessary conditions for sound absorption of porous materials are: the material has a large number of pores, the pores are interconnected, and the pores are deep inside the material.



Product name
Calcium silicate soundproof panel

Product model
G600

Product Specifications
1200x2400x10mm

Product weight
28kg/m²

The calcium silicate sound insulation board is composed of the calcium silicate board on the top, the middle damping sound insulation felt and the bottom calcium silicate board. The damped sound insulation felt is a kind of polymer sound insulation felt with high performance, high quality and excellent transmission loss. Using new environmentally friendly raw materials, halogen-free renewable polymer as raw materials, green environmental protection, free of formaldehyde, benzene, asbestos and radioactive substances and other harmful ingredients.Making full use of the quality laws of building acoustic materials, the damped sound insulation felt can effectively absorb the noise transmitted by the partition through the building structure of walls, ceilings and floors. Strong damping and surface density can greatly improve the volume insulation of the raw material. Sandwich composite without substrate, wooden board, etc., the sound insulation of the composite structure can reach 10-29dB.



Product name
Sound insulation damping sealant

Product model
G600

Product Specifications
300x50mm

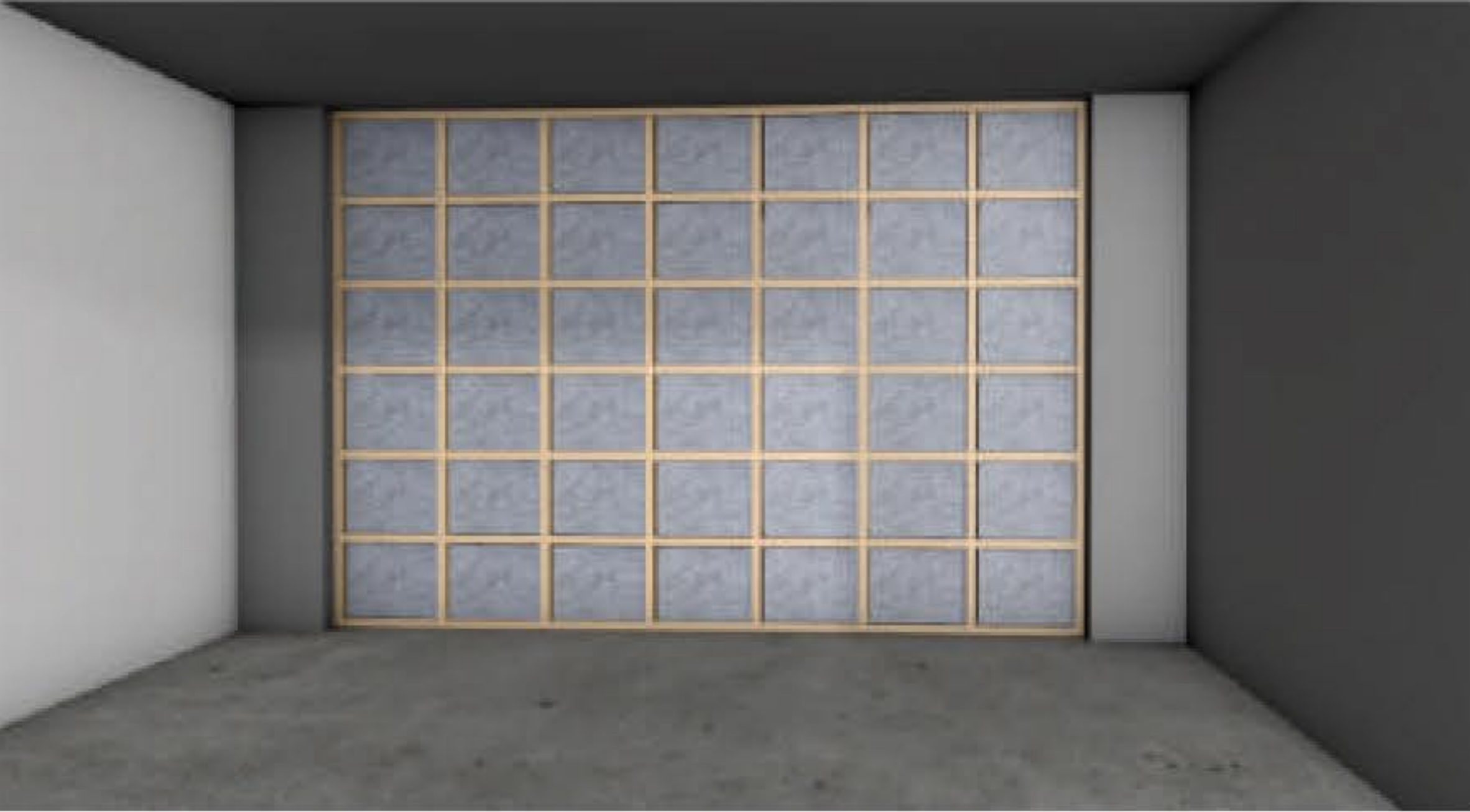
Product weight
600ml

Product features Effectively used in plate type inorganic material joint sealing and metal rubber and other materials damping vibration reduction fixed. Non-corrosive to organic, inorganic materials and metal, rubber, excellent aging resistance, good adhesion to a variety of substrates, moisture resistance and high and low temperature adaptability (-20°C~100°C temperature difference range), stable and reliable performance. It is suitable for filling and sealing the installation joint of the sound insulation structure plate to prevent air leakage, adding glue to the contact surface of the metal keel and the substrate to increase the damping effect and reduce the structural resonance, and fixing the laying position of the ground vibration damping glue.

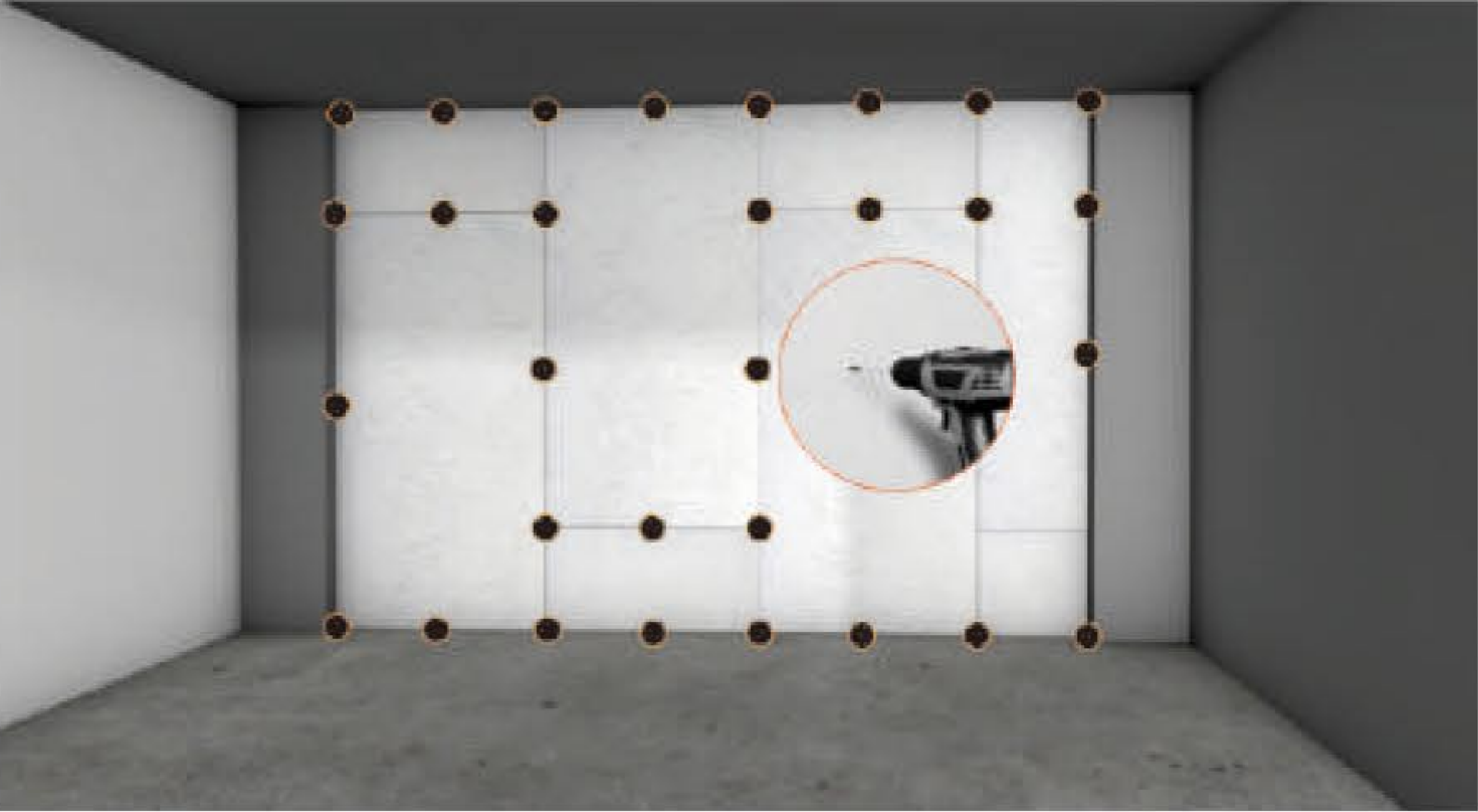
Installation method



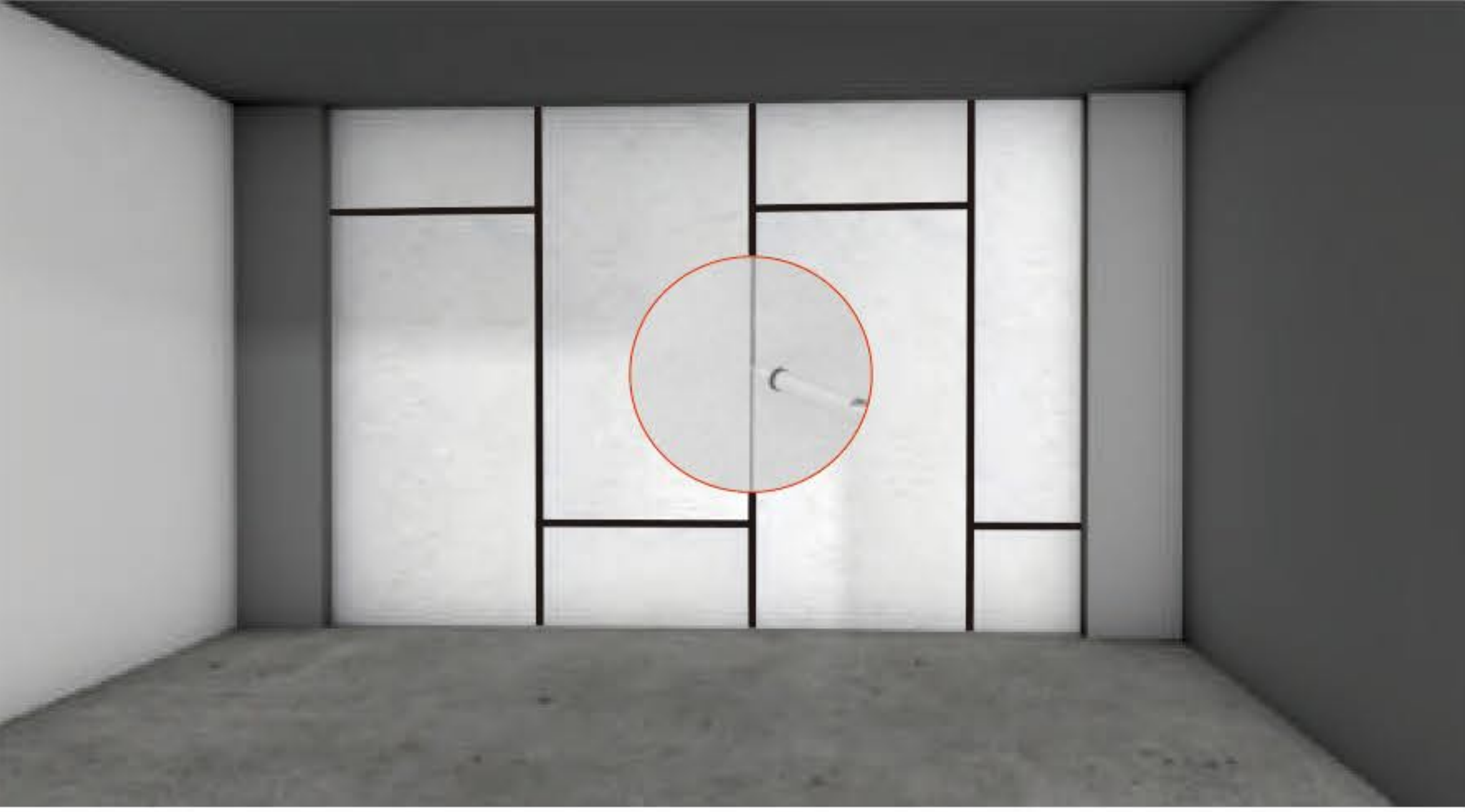
Step 1



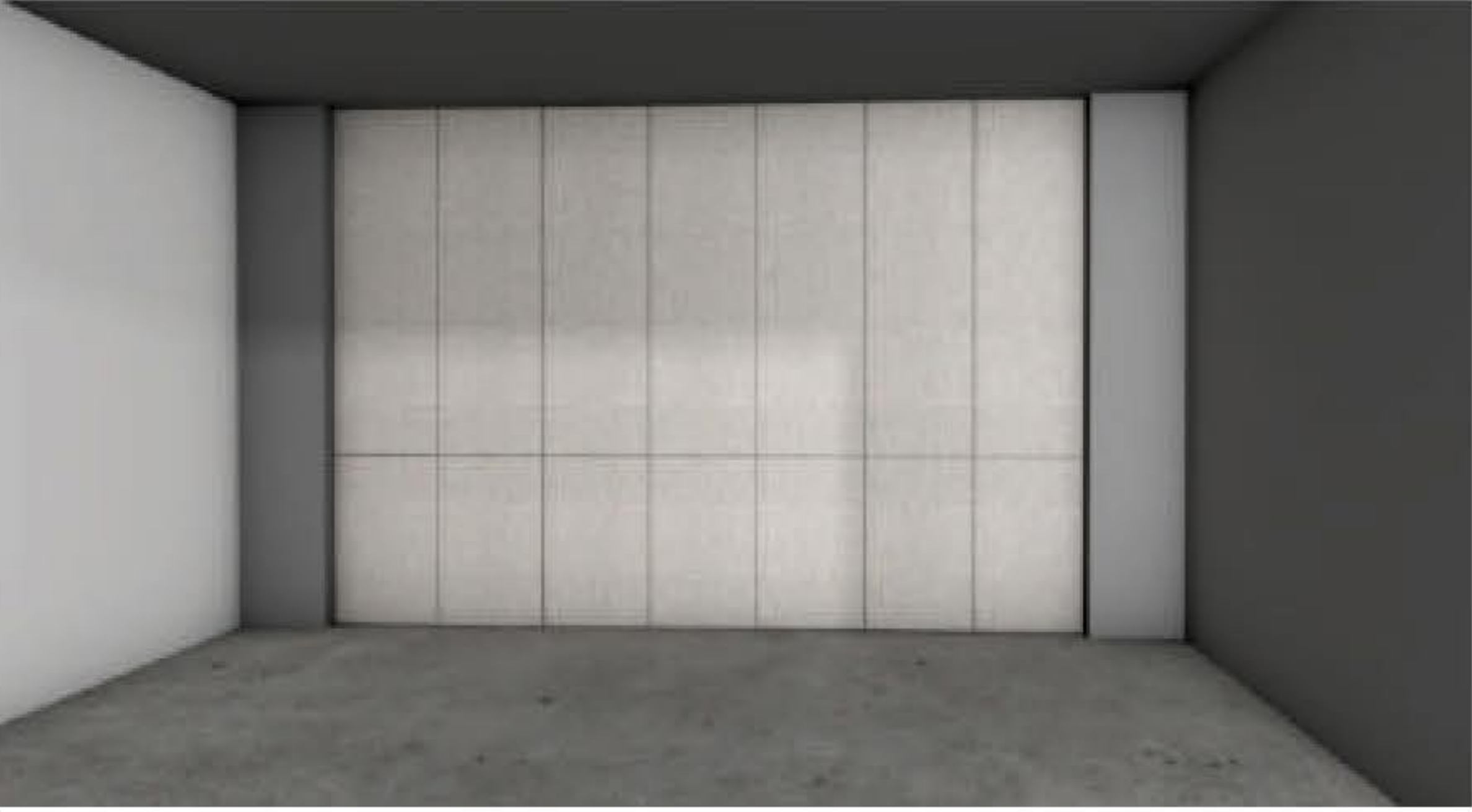
Step 2



Step 3



Step 4



Step 5

Step 6

The bidirectional substrate is suitable for calcium silicate plate with a thickness of 9mm, and the bidirectional panel is suitable for calcium silicate plate with a thickness of 9mm. The weight of the sound insulation structure of the light partition wall is less than 100kg/m2, which is suitable for the steel keel conforming to the national standard;It is more ideal for the structural cavity to be filled with acoustic cotton, the joint installation between the substrate and the panel is beneficial to the structural strength and reduce the leakage sound of the gap, and the gap between the board is filled with G600 sound insulation sealant. The sound insulation structure thickness of the wall is less than 120mm.