

TIANGE

Professional Acoustics & Decoration Overall Solution

www.acousticc.com
**Sound Absorption & Sound Proofing
Choose TianGe**

PRODUCTS COLLECTION



Industrial Park Floor Area

43000 m²



TianGe Acustics

Guangdong TianGe Acoustics Group Co., Ltd. was established in 2008, and committed to becoming a world-class professional architectural acoustics overall solution service provider. It has its own acoustic decoration design company, sound technology company, marketing company, and self-built acoustic material factory covering an area of 40000 square meters. All three companies under the group have been rated as high-tech enterprises in Guangdong Province and "specialized, refined, and innovative" enterprises in Guangdong Province.

TianGe has more than 50 patented products with independent intellectual property rights. TianGe Enterprise has obtained ISO9001, ISO14001, and ISO45001 certifications. TianGe products have obtained CE certifications from the European Union. At the same time, our company also has Class I qualifications for architectural acoustic design, Class II qualifications for architectural decoration construction, and Class B qualifications for special design of architectural decoration engineering. TianGe Acoustics has three main businesses: acoustic design, acoustic materials, and acoustic installation. We specialize in providing comprehensive acoustic decoration solutions including interior decoration design, acoustic lighting and sound design, and construction for multi-purpose halls, headquarters buildings, schools/colleges, sports halls, recording rooms, KTVs, and performance venues.

The service concept of the "worry-free" F2EPC manufacturer model pioneered by TianGe Acoustics enables the decoration industry to have a heavenly sound, perfectly presenting sound and beauty, and providing infinite care for people's hearing. This is the lofty goal that TianGe Acoustics people strive for!

ABOUT US



17+
YEARS
Factory Experiences



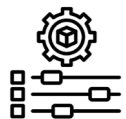
Double
New High-tech Enterprise
Professional High-tech
Enterprise



Listed-companie
Stock Code:220089



100+
100+ Acoustic
Professionals



15+
production line



50+
50+ Acoustic
Patented Technology



150+
150+ International
Test Report



50%
50% Export

TianGe Acoustic Project Cases >>>

Since 2008
 Total Complete more than **12500** Projects
 Serve over **11500** Clients

- 17 Years Focused On The Acoustic Decoration**
- The 3,000-seat Grand Theatre, Constantine, Algeria
 - Foshan GBA International Sports Culture Center in Shenzhen
 - Huawei's Tsinglan School in Shenzhen
 - The Stadium of the 7th CISM Military World Game
 - Dunhuang Silk Road Convention And Exhibition Center
 - The 5th Section of Xiamen Metro Line
 - Ecological Design Town in Conghua, Guangzhou
 - Macau Baptist Middle School Gymnasium
 - Fuquan Grand Theater, Guizhou Province
 - Macau Tower Stone Stadium
 - Zhanjiang Olympic Sports Center
 - Chimelong Ocean Science Hall in Zhuhai
 - Mandarin Oriental Hotel Macau
 - National Intellectual Property Patent Examination Collaboration Center
 - Hong Kong Chinese and English University
 - Macau Special Administrative Region Sands Casino
 - Foshan Poly New City Business Center
 - Guangdong Heyuan Jellyfish Theater
 - Helixuan Banquet Hall, Johor Bahru, Malaysian
 - Kazakhstan Theatre
 - The Second Sports Center of Jinjiang, Fujian Province
 - Zunyi Olympic Sports Center Theater
 - Tanzania Social Security Building
 - Nairobi Expo Hall, Kenya Bahru, Malaysian
 - The Second Sports Center of Jinjiang, Fujian Province
 - Liuzhou Culture Center
 - Laos Cinema
 - Century Mall Cinema in Addis, Ethiopia
 - Nanning International Convention Center
 - Hong Kong university
 - Yongchuan Gymnasium in Chongqing
 - University of Bangalore, India
 - TSY Universe Theater of Tianjin Cathay Future
 - Langfang Grand Theater
 - Friendship Palace, Hanoi, Vietnam
 - Multifunction Hall in Djibouti
 - Soptel Guangzhou Shengfeng Hotel (Pve star)/Chinese People's Liberation Army troops in Macao
 - The Auditorium and Conference Room of the Foreign Affairs Building of Addis, Ethiopia
 - Fujian Provincial Games Putian Shooting Hall/Chinese People's Liberation Army 41th Army Auditorium and Operations Command
 - Bolivia Government Auditorium
 - CCTV/Great Hall of the People/Midea headquarters building/China Jiuquan Satellite Launch Center/Jinhua City, Zhejiang Province Cultural Center
 - Hainan Provincial Government Haifu Road of Pce building/Xiangtan Sports Center/Qinghai Electric Power Company

Team Group Photo



Foreign Trade Marketing Center



Domestic Marketing Center



Engineering Management Center



Design Department



Operation Management Center



Good Sound Department



Research & Development Technology Department



Production Management Center

Qualification Certificate (part)



50+ Environmental testing reports



50+ Sound Absorption Testing Report



50+ fire detection reports



100+ Patent certificates



1. Sound Absorption Series

07 / Slatted Acoustic Panel

13 / Lightweight Thermal Insulation Acoustic Panel

17 / Grooved Acoustic Panel Series

21 / Aluminium Grooved Acoustic Panel

25 / Perforated Acoustic Panel Series

31 / Fabric Acoustic Panel

35 / Newly Acoustic Hard Fiber Panel Series

37 / 3D PET

43 / Fiberglass Acoustic Ceiling

47 / Suspended Sound Absorber Series

53 / Sandrock Acoustic Panel

2. Diffuse & Reflection Series

57 / Acoustic Decor Wall Panel

61 / MLS Diffuser

3. Sound Insulation & Vibration Series

68 / Sound insulation Board

69 / Lightweight Insulation Brick

71 / Deadening Felt

72 / Sound And Vibration Absorption Mat

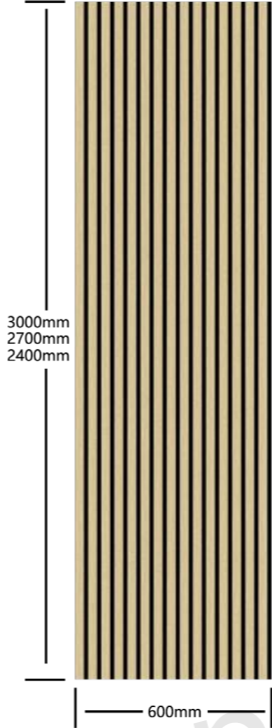
73 / Adhesive Insulation Series

74 / Ceiling/Wall Shock Absorber

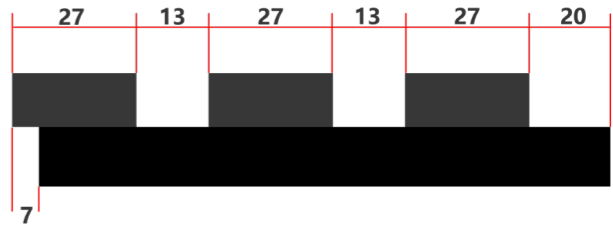
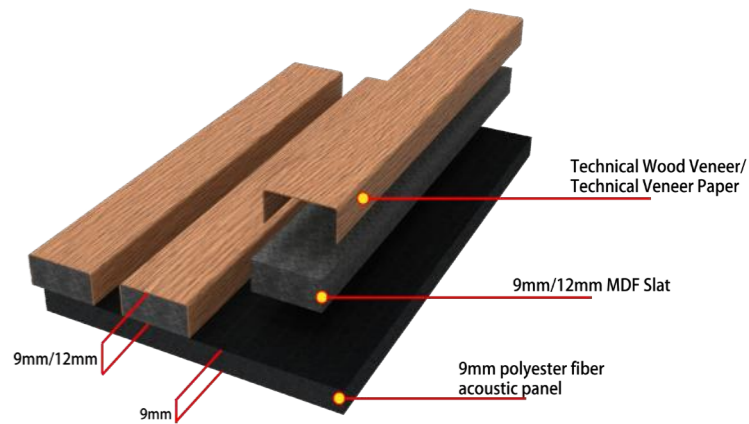
75 / Soundproof Metal Door

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Slatted Acoustic Panel



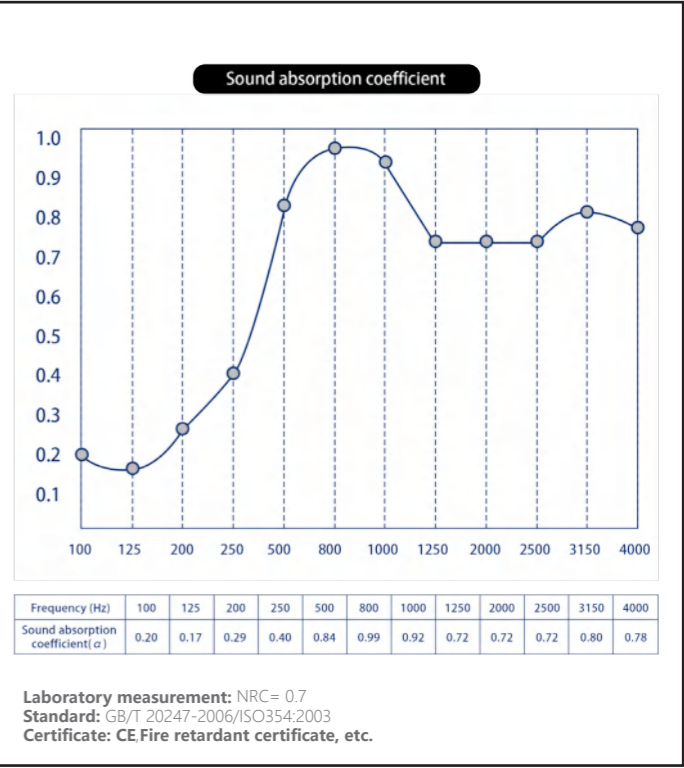
?
Size can be Customized



Slatted Acoustic Panel

- Advantage
1. Stable product quality and zero complaint.
 2. Standard products, available for stock.
 3. Functional products with sound absorption, strong decorative.
 4. Wide range of applications: suitable for both house and industry decoration.
 5. Applicable online sales and distributor channel sales.
 6. 100% recycled material.

Name	Standard Slatted Acoustic Panel	
Size	600*600*18mm / 21mm 600*1200*18mm / 21mm 2400*600*18mm / 21mm 2700*600*18mm / 21mm 3000*600*18mm / 21mm or customized size	
Weight	18mm About 7.8kgs/M2	21mm About 8.1kgs/M2
Fireproof grade	Can be B1	
Material	PET panel + E0/P2 grade MDF wood slat	
Wood surface	Natural Wood Veneer / Technical Wood Veneer / Melamine	
Advantage	<ol style="list-style-type: none"> 1. Environmentally friendly 2. Good Decoration 3. Easy to Maintain 4. Easy Installation 5. Good Acoustic Performance 6. Thermal Insulation 7. Energy-Saving 	
Service	Free samples, support customization	
Application place	Hotel lobby, corridor, room decoration, residences conference halls, recording rooms, studios, schools, shopping malls, office space etc.	



COLOR CHART

Technical Wood Veneer



TGTV-9108
White Oak



TGTV-9109
Black Oak



TGTV-9110
Walnut Oak



TGTV-9111
Black Walnut



TGTV-9112
Smoked Oak

Natural Wood Veneer



TGNV-1108
Natural White Oak



TGNV-1109
Natural Black Oak



TGNV-1110
Natural Black Walnut



TGNV-1111
Natural Smoked Oak

Technical Veneer Paper



TGTP-1208
White Oak



TGTP-1209
Yellow Oak



TGTP-1210
Black Oak



TGTP-1211
Black Walnut

Three Sides Veneer(Technical)



TGTS-8108
White Oak



TGTS-8109
Black Oak



TGTS-8110
Black Walnut

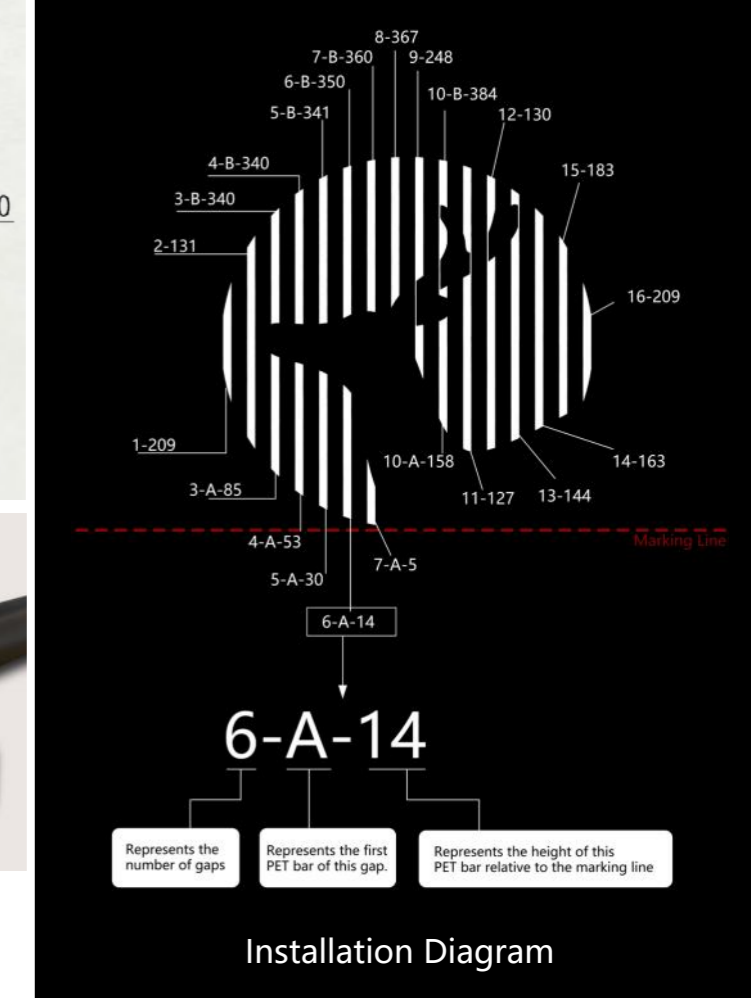


TGTS-8111
Smoked Oak

PET Slatted Decorative Components

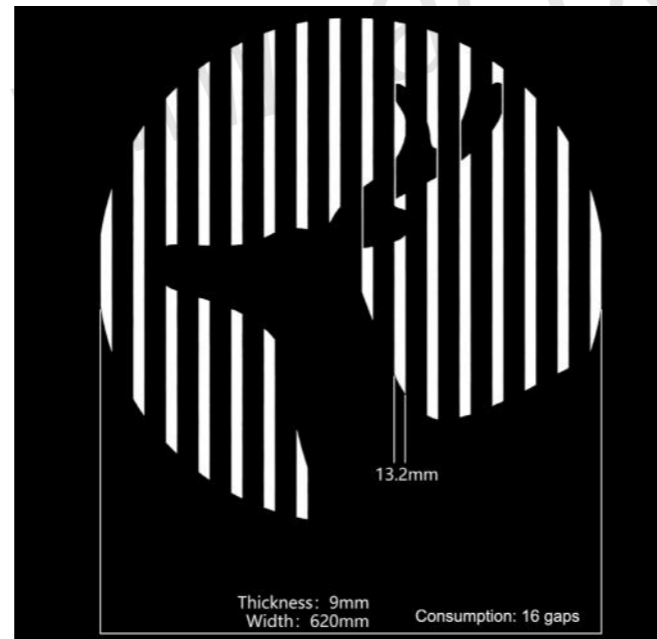
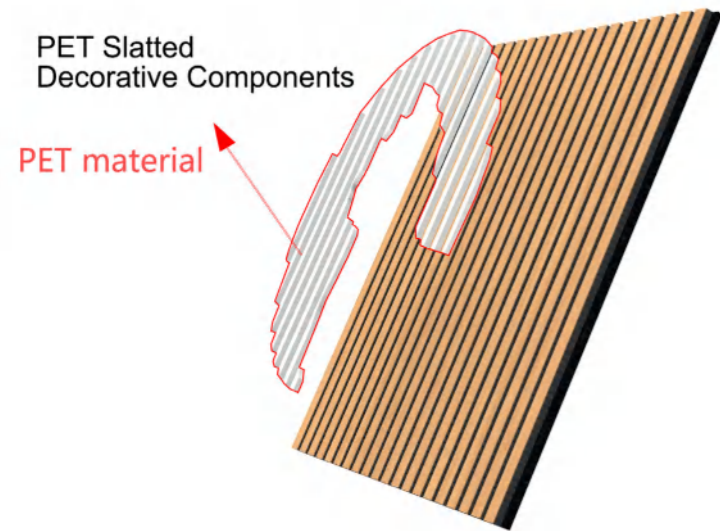


Outer package specification

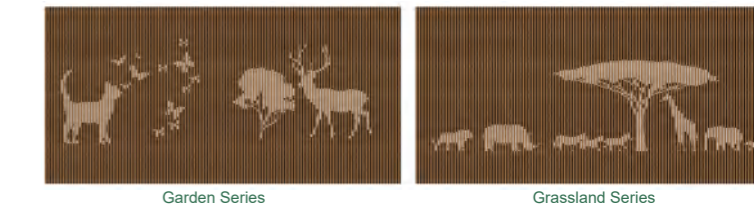
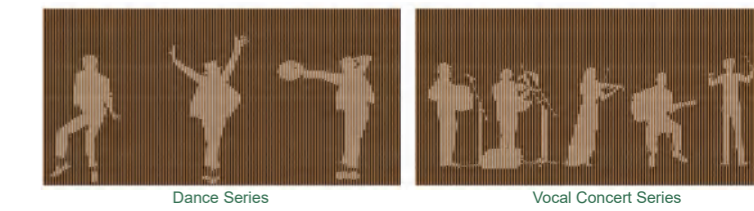
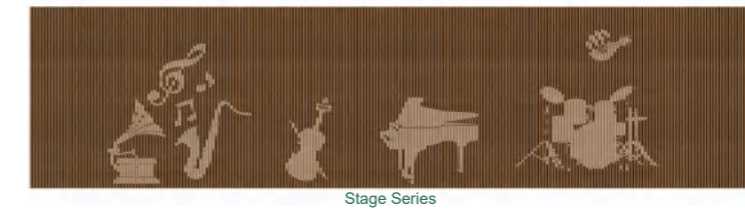
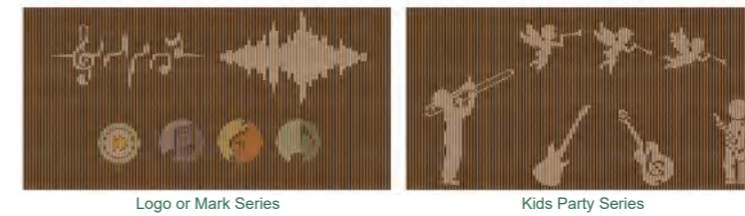


Installation Diagram

More styles



Size





Lightweight Thermal Insulation Acoustic Panel



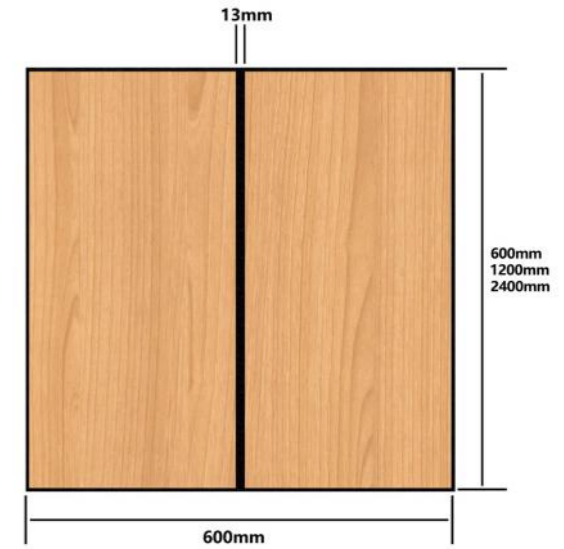
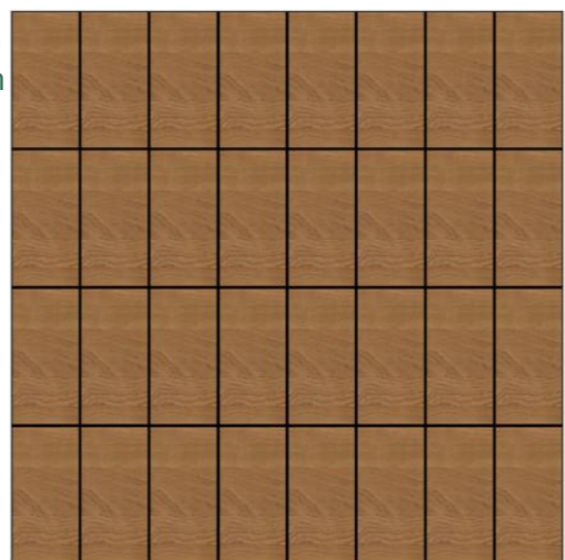
Art Lightweight Thermal Insulation Acoustic Panel

Combine whole pet with high quality wood veneer and groove the surface to create a beautiful pattern. It beautifies the space and achieves a certain sound-absorbing effect at the same time

Split the whole plate in vertical centers to form two 1:1 rectangles.

600*600*12mm
600*1200*12mm
600*2400*12mm
or custom size

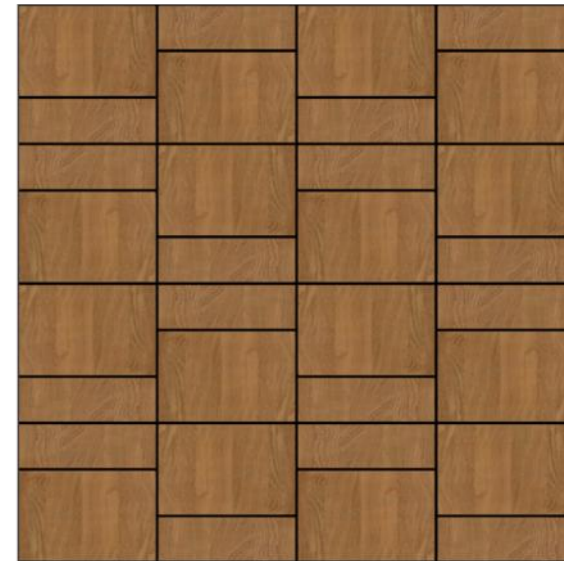
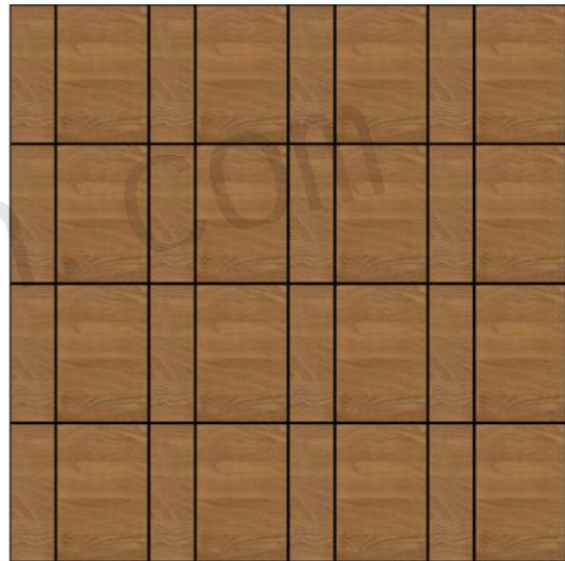
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U3-1-1



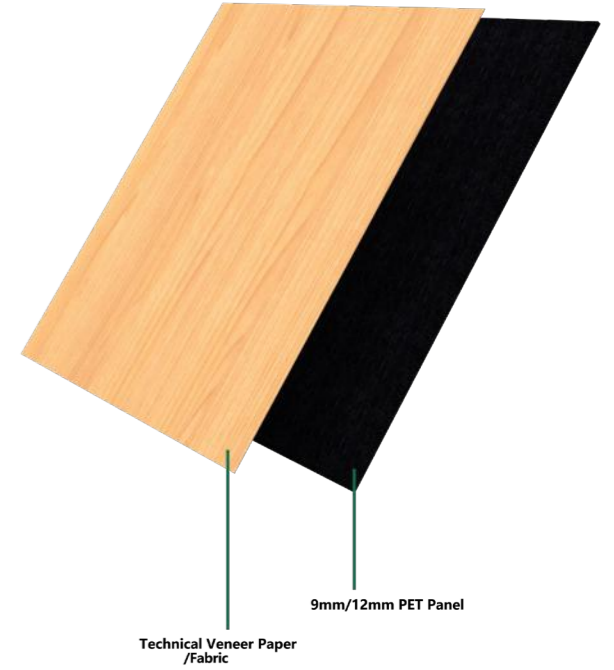
More styles

Divide the whole plate in vertical thirds so that the ratio of the areas of the two rectangles is 1:2.

Product code:
U3-1-2

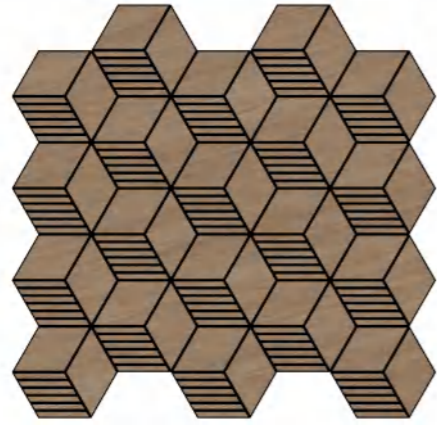


Color



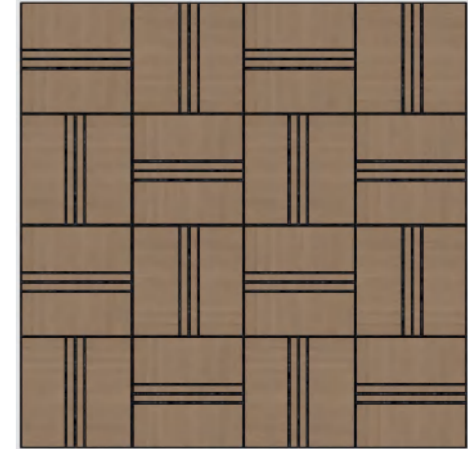
Product code:
U3-5-1

Size: 600*600*12mm



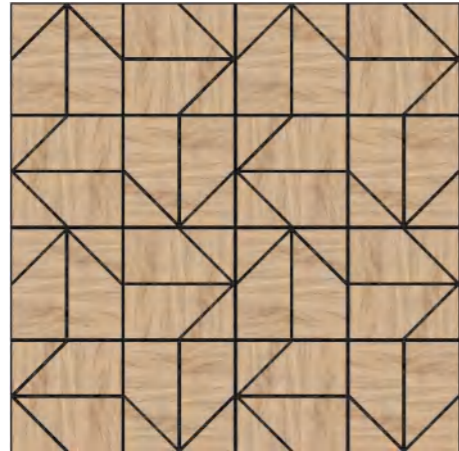
Product code:
U3-1-54

Size: 600*600*12mm



Product code:
U3-1-51

Size: 600*600*12mm



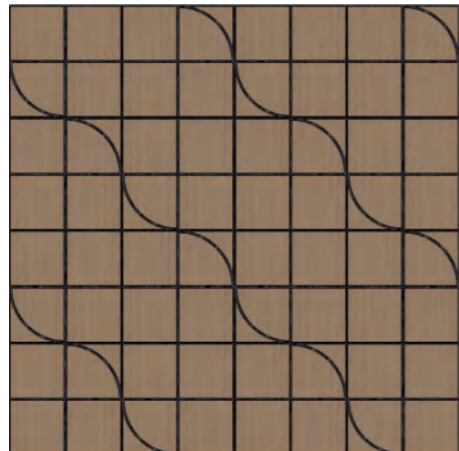
Product code:
U3-1-34

Size: 600*600*12mm



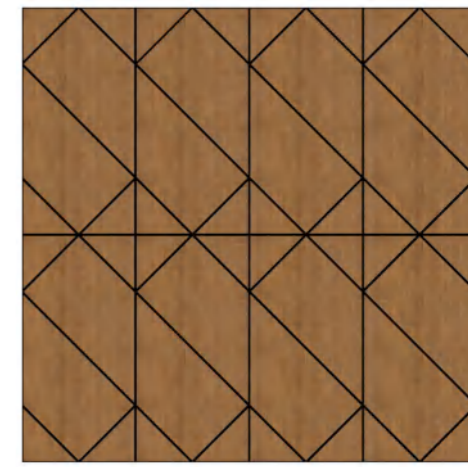
Product code:
U3-1-48

Size: 600*600*12mm



Product code:
U3-2-1

Size: 600*1200*12mm



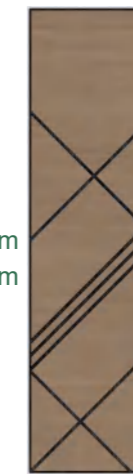
Product code:
U3-1-46

Size: 600*600*12mm

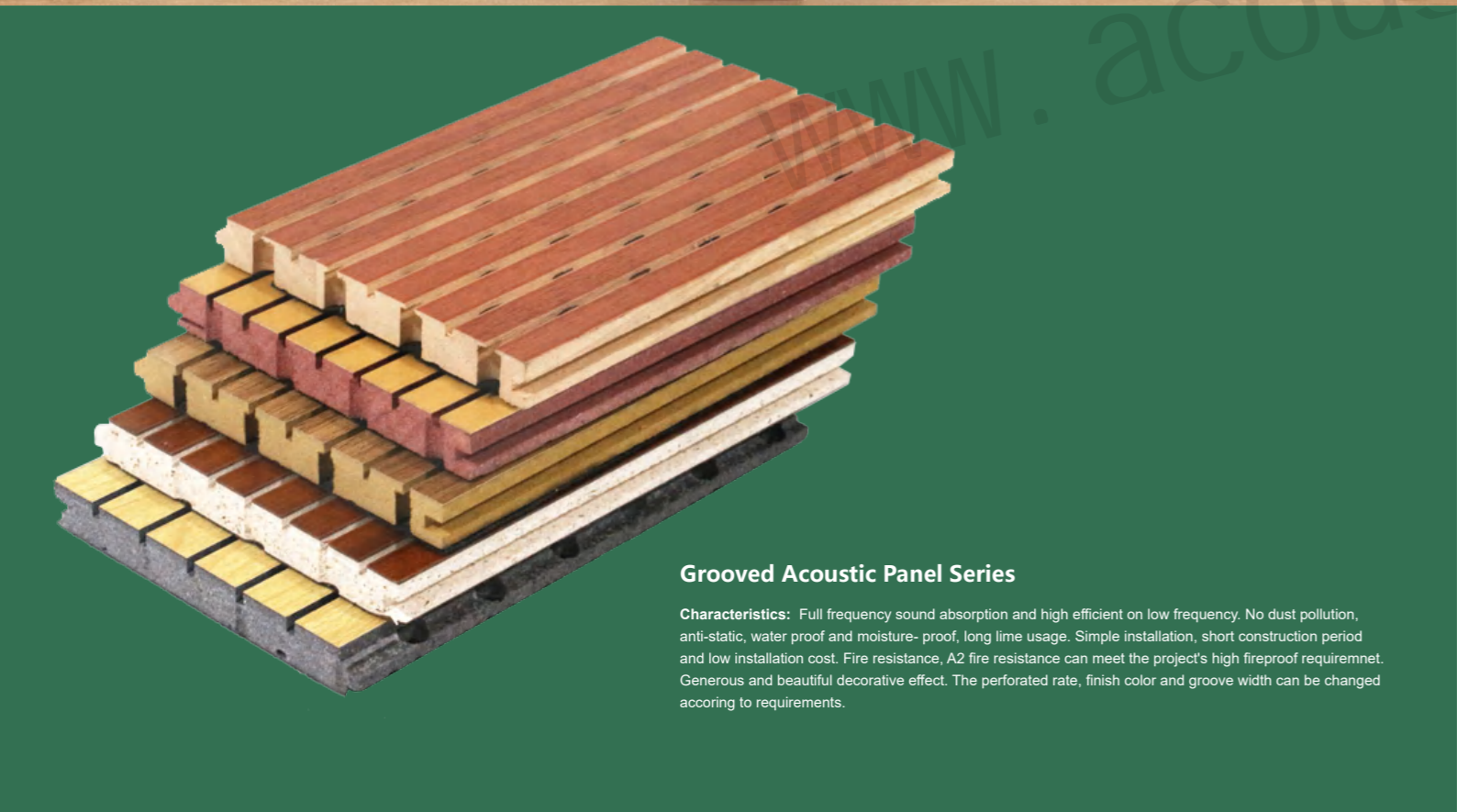


Product code:
U3-3-2

Size: 300*2400*12mm
600*2400*12mm



Grooved Acoustic Panel Series



Grooved Acoustic Panel Series

Characteristics: Full frequency sound absorption and high efficient on low frequency. No dust pollution, anti-static, water proof and moisture- proof, long lime usage. Simple installation, short construction period and low installation cost. Fire resistance, A2 fire resistance can meet the project's high fireproof requiremnet. Generous and beautiful decorative effect. The perforated rate, finish color and groove width can be changed accoring to requirements.

Red MDF Frame Retardant Grooved Acoustic Panel



Advantages of Red MDF Flame Retardant Grooved Acoustic Panel:

- A.Can be ASTM E-84 Class A frame retardant.
- B.E1 Class environmental protection
- C.Easy cut and easy installation.
- D.Finish can be melamine, veneer or HPL.
- E.Middle or high density for customer choice.

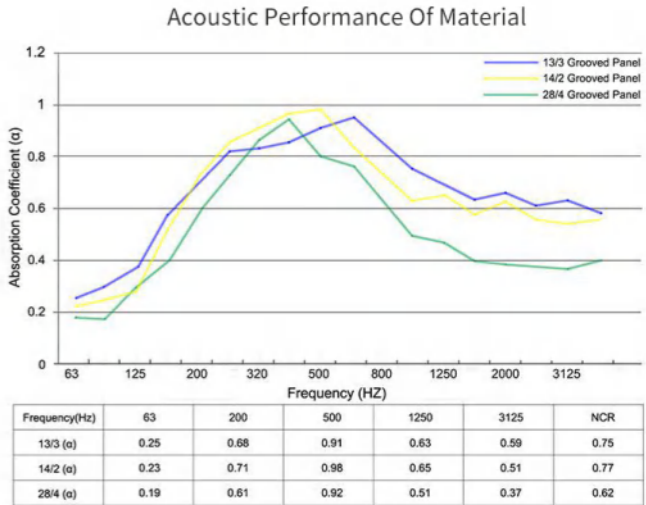
Acoustic Performance: refer to the following photo

Product structure: groove on the surface and holes on the backside of the MDF+ black acoustic tissue.

Finishing: Veneer, HPL, melamine.

Size: 2440*133*15mm; 2440*197*15mm (tolerance: length ± 2mm, width ± 1mm, thickness ± 0.2mm)

Application places: theaters, concert halls, schools, churches, gymnasiums, auditoriums, multi-function halls, conference rooms, lecture halls, recording studios and other places with high acoustic requirements.



Base Material of Grooved Acoustic Panel

Grooved Acoustic Panel Project Cases



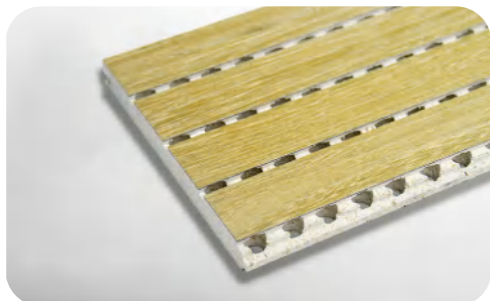
E1 Class environmental protection base material



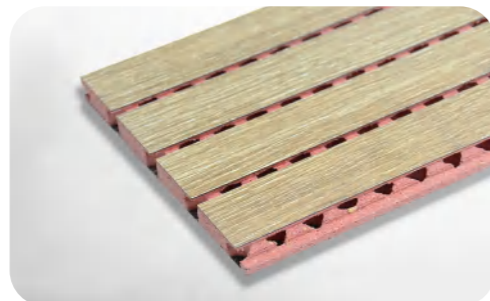
E1 Class flame retardant red base material



E1 Class flame retardant black base material



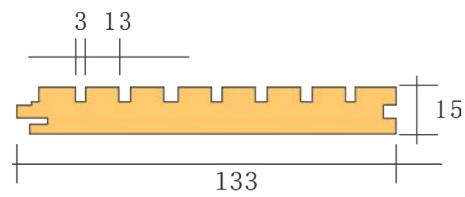
White Mgo base material



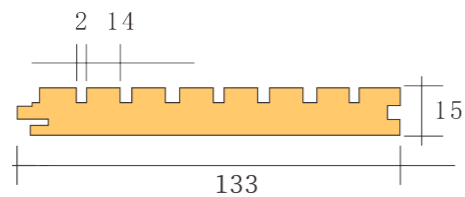
Red Mgo board base material



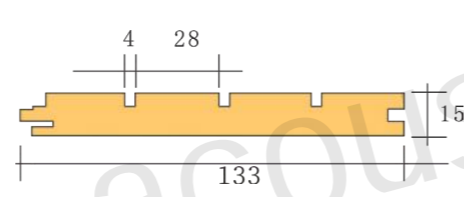
Black Mgo board base material



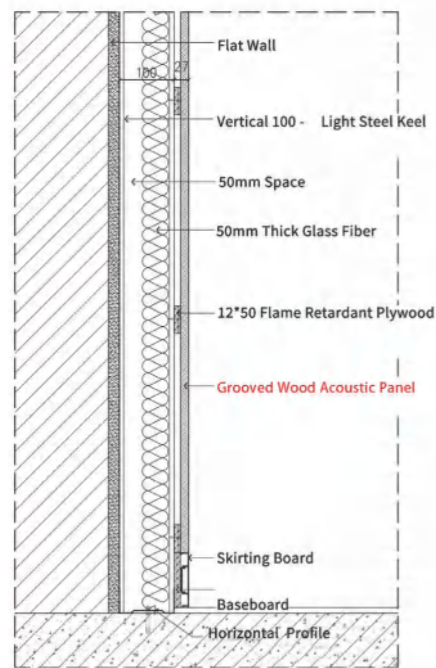
Standard model 13/3
Perforation rate 12.8%



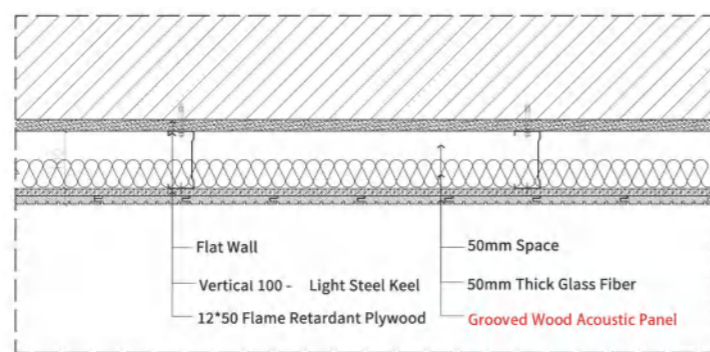
Standard model 14/2
Perforation rate 7.5%



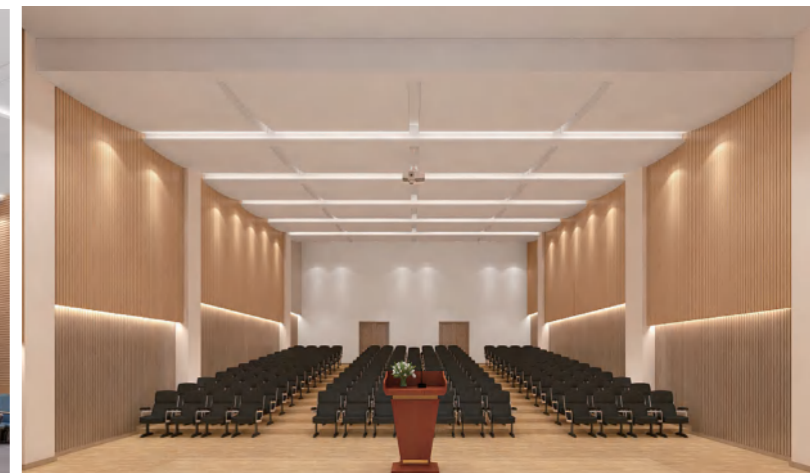
Standard model 28/4
Perforation rate 9%



Vertical Section Of Grooved Acoustic Panel Wall Installation



Cross Section Of Grooved Wood Acoustic Panel Ceiling Installation



Aluminium Grooved Acoustic Panel



Aluminium Grooved Acoustic Panel

Characteristics: Aluminium grooved acoustic panel is made of high quality aluminum, and it is upgraded and replacement product of grooved wood acoustic panel, perforated acoustic panel, aluminum perforated panel, composite acoustic panel and so on.

Aluminum Grooved Acoustic Panel

Aluminium Grooved Acoustic Panel is made of high quality aluminum, and it is upgraded and replaced by wooden slot, perforated sound absorption plate, aluminum perforation plate, composite sound absorption board and so on.

Model:28-4, 20-3, 33-5 (can be customized)

Material consumption: refer to acoustic design

Installation accessories: light steel keel, sound-absorbing cotton bag, glass fiber felt, black wire mesh, self tapping screws etc.

Advantage: full frequency sound absorption, fireproof grade A incombustible, no formaldehyde release, moisture proof, moth proof, anti-corrosion, mildew proof, no deformation, good impact resistance, easy cleaning and simple installation, many color choices.

Specifications: 2400mm * 595mm

Patent No. : ZL 2019 2 1340360.0

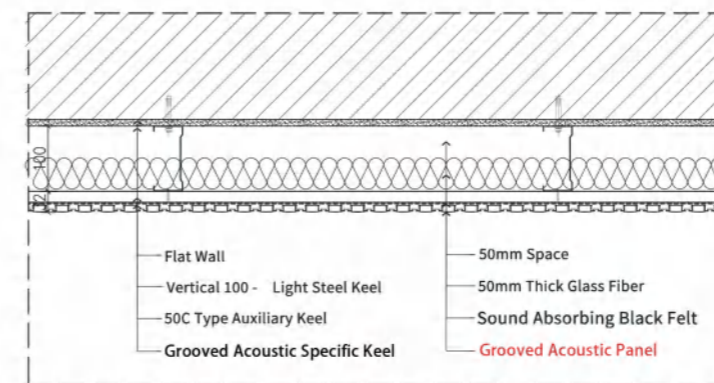


Color

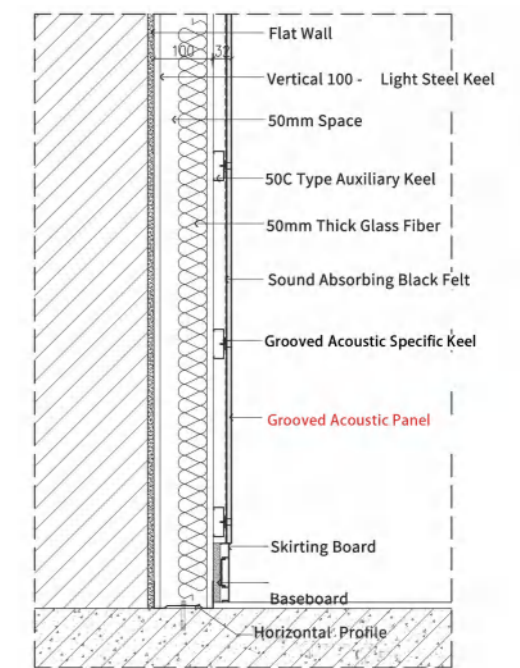


Sound absorption coefficient: (Tested by authority laboratory) sound coefficient can be adjusted according to installation structure

Frequency	125	250	500	1000	2000	4000	Remark
28-4 Sound absorption coefficient α	0.36	0.77	0.91	0.83	0.70	0.56	50mm Back Cavity +50mm 32K Glass Wool
33-5 Sound absorption coefficient α	0.61	0.96	0.96	0.84	0.72	0.52	100mm Back Cavity +100mm 32K Glass Wool
20-3 Sound absorption coefficient α	0.22	0.52	0.86	0.72	0.70	0.54	100mm Back Cavity +30mm 32K Glass Wool



Cross Section Of Grooved Acoustic Panel Ceiling Installation

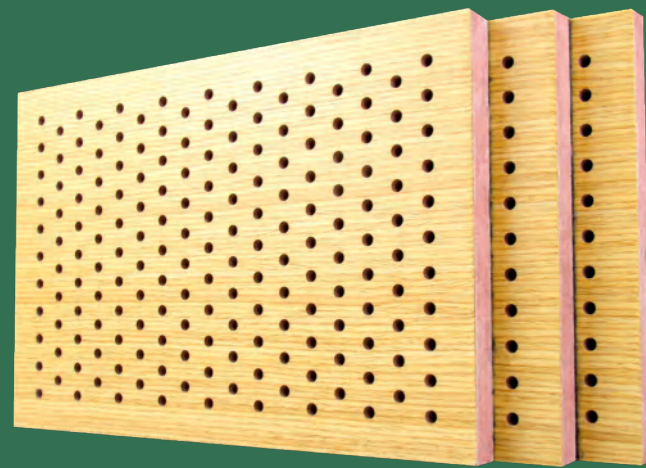


Vertical Section Of Grooved Acoustic Panel Wall Installation

Aluminium Grooved Acoustic Panel Cases



Perforated Acoustic Panel Series



Perforated Acoustic Panel Series

Characteristics: Perforated Acoustic Panel is a kind of resonant sound absorption material directly perforated on density board. Perforated Acoustic Panel has strong selection on sound absorption spectrum. It has good sound absorption performance on medium and low frequency. The sound absorption effect of medium and high frequency can be improved with acoustic cotton filled behind the panel cavity. Perforated hole diameter and distance can be adjusted according to customer requirements.

Standard Perforated Acoustic Panel

Material consumption: refers to acoustic design

Structure: Perforated on high density base materials, with black acoustic tissue behind.

Finish: melamine, natural veneer, fireproof board, painting, metal surface, veneer, leather surface, etc.

Model: E-shape hole: E32/12; E32/10; E16/8; E16/6; E16/4

V-shape hole: V32/12; V32/10; V16/8; V16/6; V16/4

Installation accessories: light steel keel, 12mm plywood batten, sound-absorbing cotton and steel wire, special keel etc.

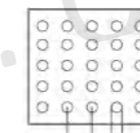
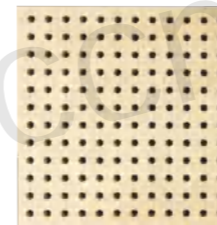
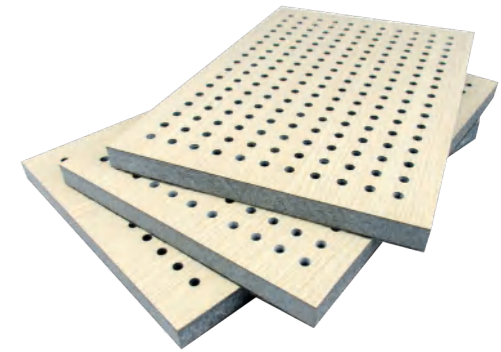
Advantages: Perforated Acoustic Panel is a kind of resonant sound absorption material directly perforated on density board. Perforated Acoustic Panel has strong selection on sound absorption spectrum. It has good sound absorption performance on medium and low frequency. The sound absorption effect of medium and high frequency can be improved with acoustic cotton filled behind the panel cavity. Perforated hole diameter and distance can be adjusted according to customer requirements.

Regular size: 605mm/1210mm * 605mm * 12mm/15mm/18mm

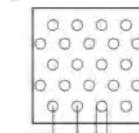
Specifications: 600mm/1200mm/2400mm * 600mm/1200mm * 12mm/15mm/18mm

or customize other specifications (tolerance: width ± 1 mm, length ± 2 mm, thickness ± 0.2 mm)

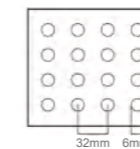
Application: Gymnasium, multi-function hall, concert hall, Grand Theatre, conference room, lecture hall, family cinema, hotel and so on, which require high field of acoustics.



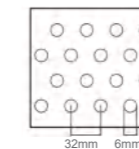
Type: E-shape hole E16/6
Perforated rate: 12.5%



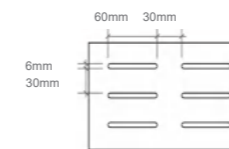
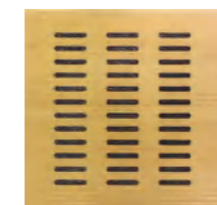
Type: V-shape hole V16/6
Perforation rate: 12%



Type: E-shape hole E32/6
Perforated rate: 4.2%



Type: V-shape hole V32/6
Perforation rate: 4%



Type: U-shape hole E60-30-6
Perforation rate: 9.2%



Micro-perforated Acoustic Panel

Micro Perforated Acoustic Panel is a composite structure with a diameter of 0.5-3mm perforated surface sheet and a diameter of 8-12mm perforated base sheet at the back, which forms a micro-porous resonant sound-absorbing material.

Advantages: Use high-density board as base material, due to its micro-hole structure, it can form a low-medium frequency band, which has a better sound-receiving effect, at the same time, the surface is no-hole feeling, easy clean, beautiful and generous. The highest fire proof can be Grade A.

Applicable place : widely used in various public spaces, theaters, gymnasiums, conference rooms, Banquet Hall and other acoustic places with high decoration requirement;

Installation accessories: light steel keel, 12mm plywood batten, sound-absorbing cotton and steel wire, special keel etc;

Material consumption: refer to acoustic design ;

Finish: melamine, natural veneer, fireproof board, painting, metal surface, veneer, leather surface, etc.

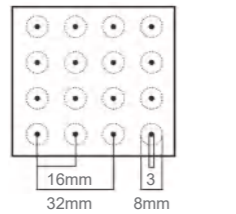
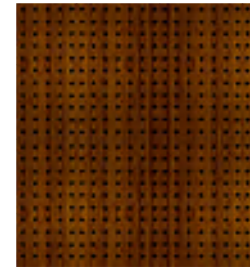


Installation:

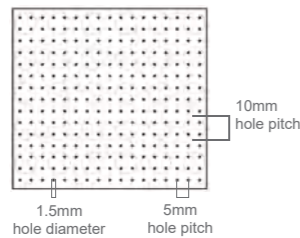
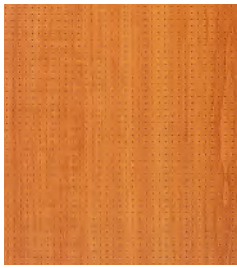
- Alignment: according to the installation drawings, and according to the actual size of the site, determine the keel laying space, according to the space with Ink Bucket Bullet Line;
- Laying the main keel: according to the drawings to determine the distance between the light steel keel, and according to the position of the ink line, with expansion bolts will be fixed to the vertical light steel keel wall;
- Laying auxiliary keel: determine the distance between auxiliary keels according to the drawing (according to the distance of 400mm) , and fix the 50C-type auxiliary keel on the vertical light steel keel with the wall plate nail;. Laying special keel: i-shaped keel fixed on the splint, keel distance according to the need for red glass perforated sound absorption board size.
- Place the sound-absorbing cotton: 1200 * 600 * 50mm sound-absorbing cotton placed between the keel;
- Install sound-absorbing board: fix the red glass perforated sound-absorbing board to 50C sub-keel with metal buckles, and leave 1 ~ 2mm expansion joint between the board and the board to reduce the influence of the hot expansion and cold contraction of the board.

Sound absorption coefficient: (Tested by authority laboratory)
Sound coefficient can be adjusted according to installation structure.

Frequency	125	250	500	1000	2000	4000	Remark
Sound absorption coefficient α	0.33	0.73	0.77	0.66	0.47	0.48	50mm Back Cavity +50mm 32K Glass Wool



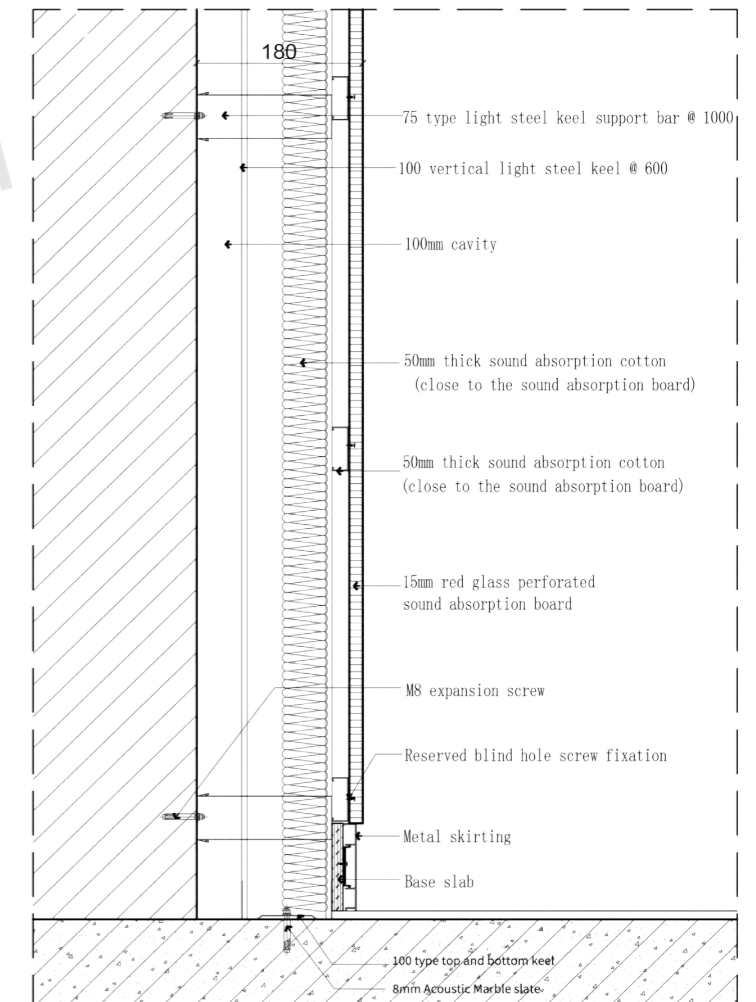
Type:stepped E-shape hole E16/3-10
Perforation rate:2.8%



Type:E-shape hole E5/1.5
Perforation rate:7.0%



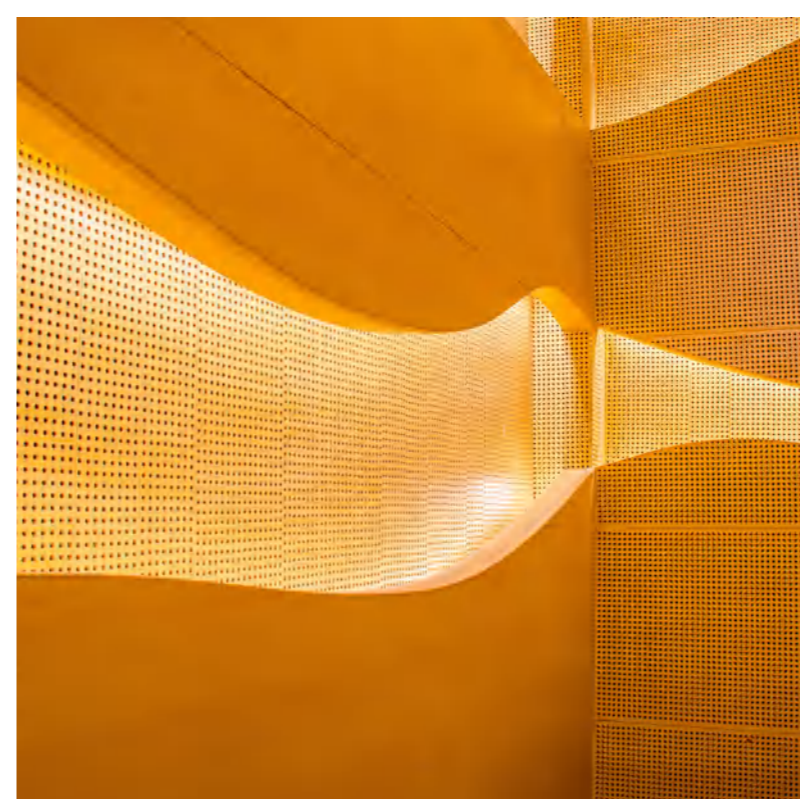
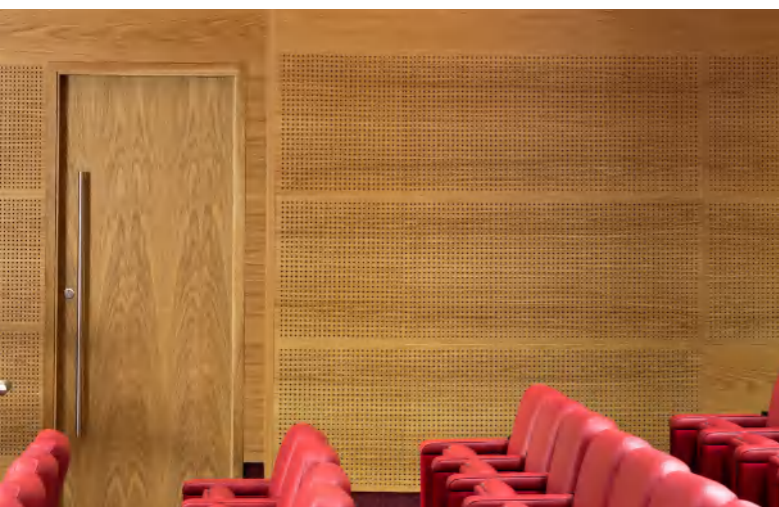
Color



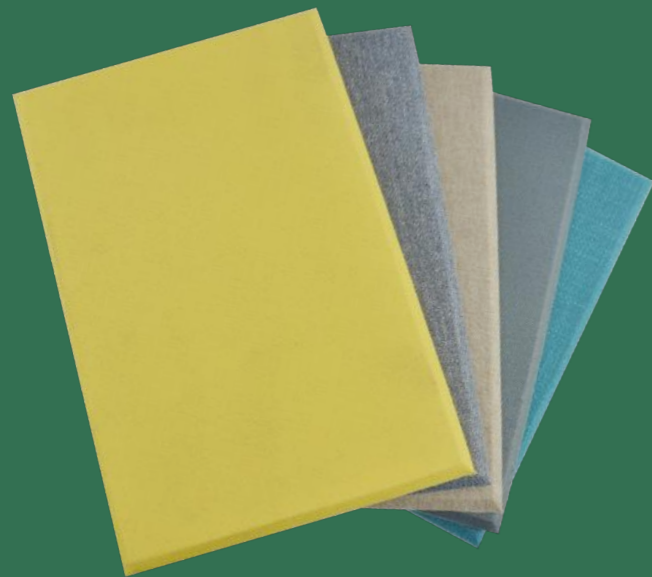
Vertical section of perforated sound absorption panel wall installation



Perforated Acoustic Panel Cases



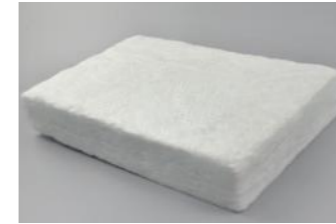
Fabric Acoustic Panel



Fabric Acoustic Panel

TianGe Fabric Acoustic Panels are sound-absorbing panels wrapped in fabric materials, which consist of an internal core made of sound-absorbing materials like fiberglass. The core is then covered with an acoustically transparent fabric that allows sound waves to pass through and be absorbed by the core material. These panels are used to control echoes and reduce background noise in various spaces, making them ideal for use in offices, theaters, recording studios, and other environments where sound quality is important. They also add an aesthetic touch, as they come in a variety of colors and patterns to match any decor.

Hydrophobic&formaldehyde free fabric acoustic panel



Products Information

Base material: hydrophobic & formaldehyde free white glass wool
Frame: resin frame, aluminum frame, soft frame
Finish: fabric series, leather series, fiber glass fabric series
Hydrophobic rate: ≥98%(only for white glass fiber cotton)
Moisture content: 0.4%
Shrinkage temperature of thermal load: 380
Fire protection: class A (base material)
Environmental protection: no formaldehyde release
Construction: consistent with the fabric acoustic panel, it can be pasted, buckled and nailed



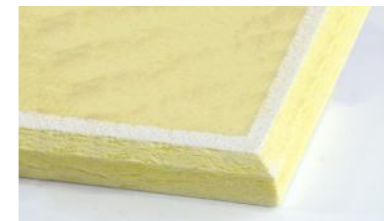
Right Angle



Small Chamfer (routine)



Big Chamfer



Resin Frame



Aluminum Frame

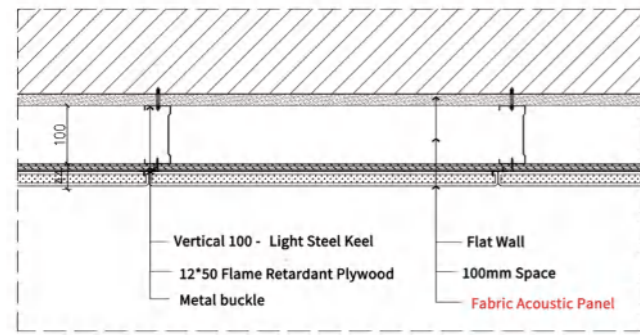


Soft Frame

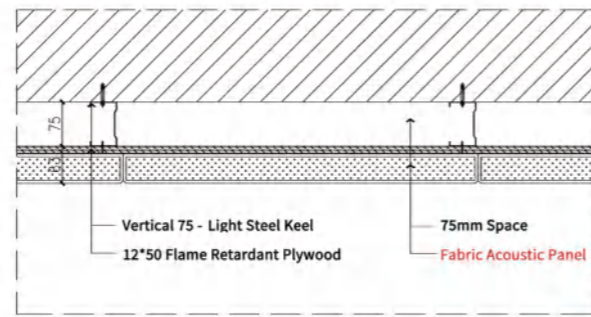
Sound absorption coefficient: (Tested by authority laboratory)
 sound coefficient can be adjusted according to installation structure

Frequency	125	250	500	1000	2000	4000
25mm Sound Absorption Coefficient α	0.38	0.77	0.91	0.88	0.86	0.89
25mm Sound Absorption Coefficient α	0.61	0.98	1.00	0.85	0.98	0.95

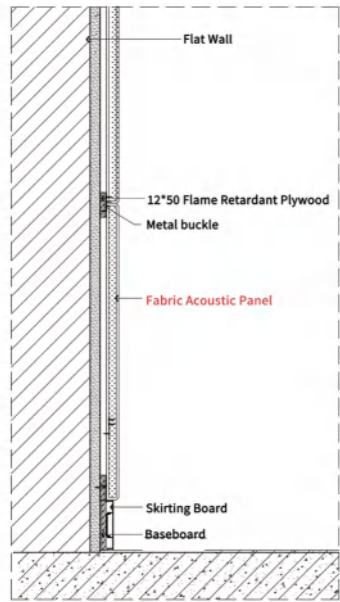
Fabric Acoustic Panel Installation Drawing



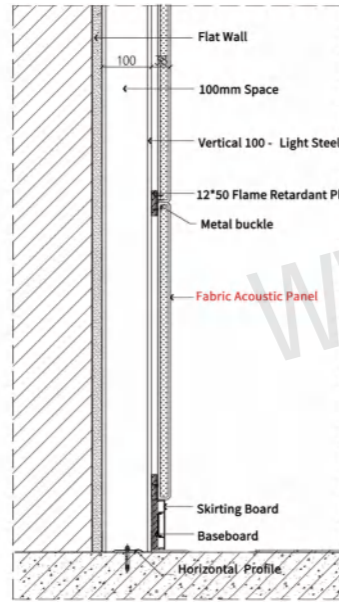
clip installation horizontal section drawing



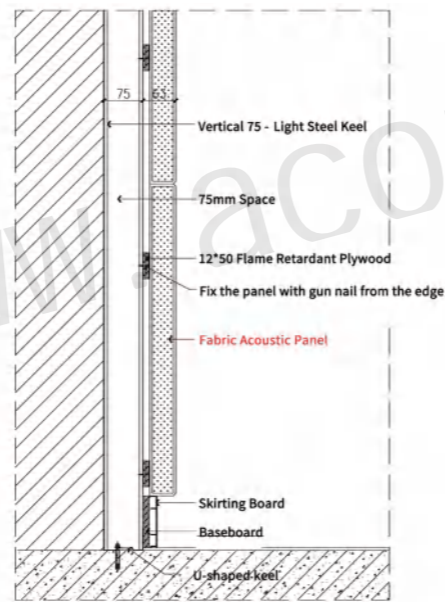
Cross Section Of Fabric Acoustic Panel Wall Installation
nail and wood batten installation horizontal section drawing



pasted to backboard installation vertical section drawing



clip installation vertical section drawing



nail and wood batten installation vertical section drawing

Fabric Acoustic Panel Project Cases



Newly Acoustic Hard Fiber Panel Series

Newly Acoustic Hard Fiber Panel Colour Fabric Acoustic Decor Panel

Newly Acoustic Hard Fiber Panel Series is a kind of wall decoration panel which is wrapped with fabric on the fiber panel surface and mostly used on the interior wall. The material used is soft in texture and soft in color, which can soften the overall space atmosphere and improve the level of its deep three-dimensional feeling. In addition to the space beautification function, more importantly, it has the functions of flame-retardant, sound-absorbing, sound-proof, moisture-proof, mildew proof, anti-bacterial, water-proof, oil-proof, dust-proof, pollution-proof, anti-static and anti-collision, which is more cost effective.

Structure: High-quality fiber panel is pressed by over 200 degrees temperature with fabric finish, forming a whole, never deformation panel;

Density: 120 ~ 300kg / m^3 ;

Acoustics: Noise reduction coefficient NRC ≥ 0.75 , tested according to GB / T 20247-2006 "Sound Absorption Measurement in Acoustic Reverberation Room";

Fire resistance: Grade B1 combustion performance (can be Grade A), tested according to GB8624-2017 "Classification of Combustion Performance of Building Materials and Products";

Environmental protection: E1 Grade, tested according to GB18580-2017 "Formaldehyde Release Limit in Wood-based Panel of Interior Decoration Materials and Its Products";

Waterproof: The boards are fine dense and impervious to water, basically forming a lotus leaf effect;

Decoration: The decorative surface can be diversified, which can be used for fabric, leather, and other protective surfaces. Any material in high definition can be painted or embroidered. It can also be curved, concave-convex and other special-shaped surfaces;

Applicable places: restaurant, conference room, office, hotel, banquet hall (can be painted).

Sound absorption coefficient: (Tested by authority laboratory)
sound coefficient can be adjusted according to installation structure

Frequency	125	250	500	1000	2000	4000
9mm Sound Absorption Coefficient α	0.44	0.80	0.85	0.82	0.73	0.68



Product Specification (Commonly Used)

Length: 1200mm/2400mm/3000mm
Width: 600mm/1200mm
Thickness: 9mm/12mm
It can cut to any shape easily at site installation.



Newly Acoustic Hard Fiber Panel Series

Characteristics: TianGe high-density fabric acoustic decor panel is a kind of wall decoration panel which is wrapped with fabric on the fiber panel surface and mostly used on the interior wall. The material used is soft in texture and soft in color, which can soften the overall space atmosphere and improve the level of its deep three-dimensional feeling.



3D PET



3D PET

3D PET material is a new type of environmentally friendly sound-absorbing material. It utilizes a 3D three-dimensional structure to reflect and absorb environmental noise, effectively reducing the noise that occurs in various environments, especially suitable for sound absorption in middle to high frequency bands. Compared with traditional sound-absorbing materials, 3D PET materials have the advantages of wide sound absorption bandwidth, high sound absorption efficiency, light weight, and simple installation, and have become a popular product in the field of architectural decoration sound-absorbing

Art 3D sound-absorbing module series

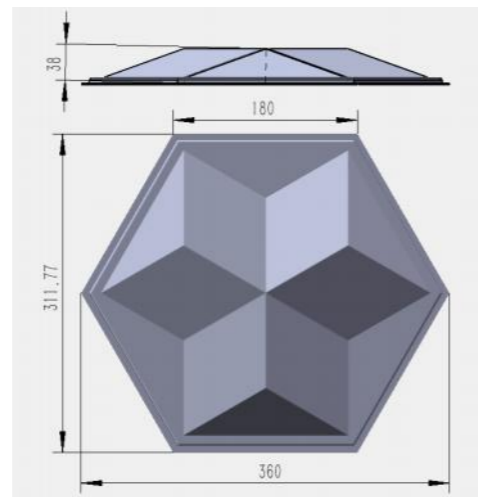
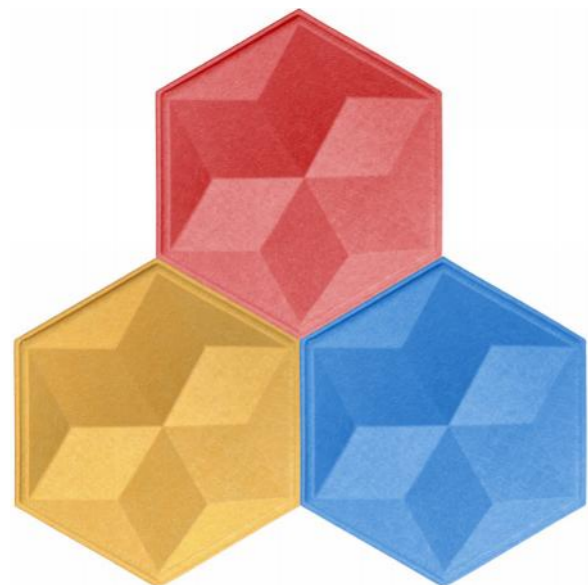


3D PET - Design Concept

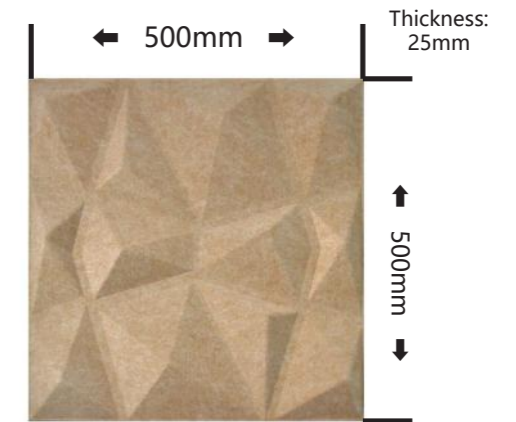
The design concept of "3D PET material" emphasizes effective sound absorption while maintaining overall aesthetics. Through its unique three-dimensional surface structure, it can effectively absorb the reflection and echo of sound, providing good acoustic performance. At the same time, its diverse color and shape choices enable it to blend into any indoor environment, achieving a perfect combination of acoustics and aesthetics.

Product Detail

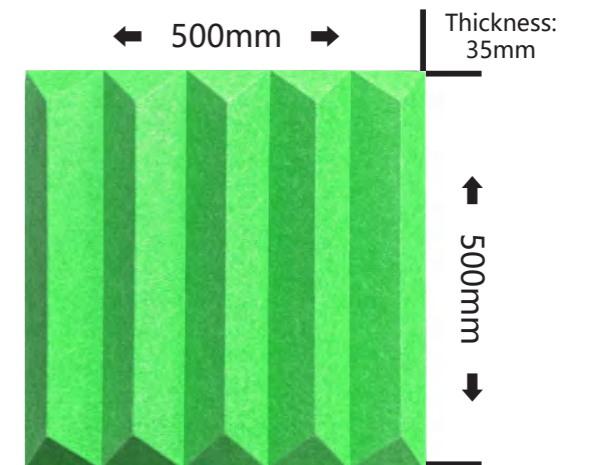
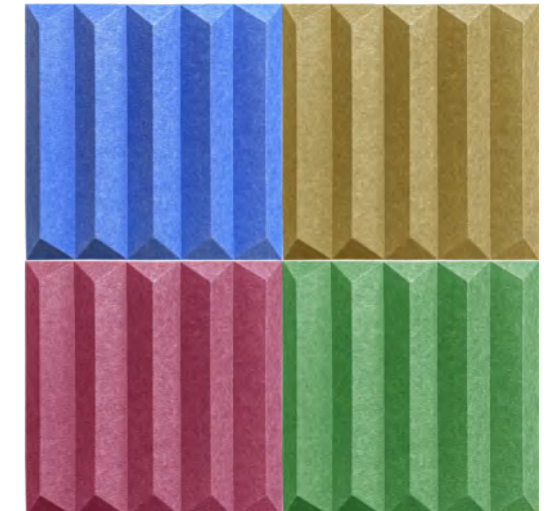
- Name :** PET Panel
- Content :** 100% polyester fiber panel
- Thickness :** 3-24mm
- Weight:** 600-3500g/m²
- Fire Resistance Grade:**
ASTM E-84 grade A / EN13501 grade B
- Size :** 300*300mm/345*345mm/ 500*500mm or customized
- Cut tools :** Art knife or CNC cutting equipment
- Installation method:** Use silicone adhesive directly to substrates such as walls. It can also be fixed by screws, Z-clips, gun nails, aluminum profiles, and other methods.
- Application Site:** Only for indoor use. More colors and sizes can be customized



Model: TG3D-ZZ191023
 Specifications: 400*460*50mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema



Model: TG3D-ZZ191005
 Specifications: 500*500*20mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema



Model: TG3D-ZZ191013
 Specifications: 500*500*35mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema

3D PET Panel Project Cases



Fiberglass Acoustic Ceiling




Fiberglass Acoustic Ceiling

Product features: Art Ceiling Decoration Absorber is a new type of ceiling decoration material, which is made of fire-proof and environmental protection glass fiber as the main material, with proper amount of binder, moisture-proof agent and preservative added, processed, dried and finished. It is suitable for gymnasium, grand theater, radio station, television studio, studio, school, library, cultural center, auditorium, multi function hall, conference room, concert hall and other places where need higher requirements for sound absorption quality.

Fiberglass Acoustic Ceiling

Product features: Fiberglass Acoustic Ceiling is a new type of ceiling decoration material, which is made of fire-proof and environmental protection glass fiber as the main material, with proper amount of binder, moisture-proof agent and preservative added, processed, dried and finished. It is suitable for gymnasium, grand theater, radio station, television studio, studio, school, library, cultural center, auditorium, multi function hall, conference room, concert hall and other places where need higher requirements for sound absorption quality.

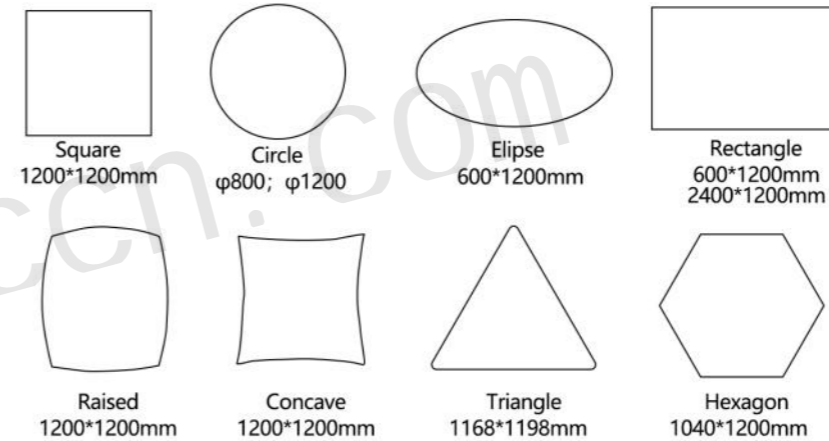
Advantages: light weight, sound absorption, fire prevention, environment protection, easy installation, elegant appearance and many RAL color choice.

Material consumption: refer to acoustic design

Installation accessories: cable, connecting cap, bottom regulator, safety hook, self tapping screw (connected to panel)

Specifications: Rectangle: 1200/1600/1800mm*200/400/500mm*40mm
Waves: 1200/1800mm * 400mm* 40 mm

Type

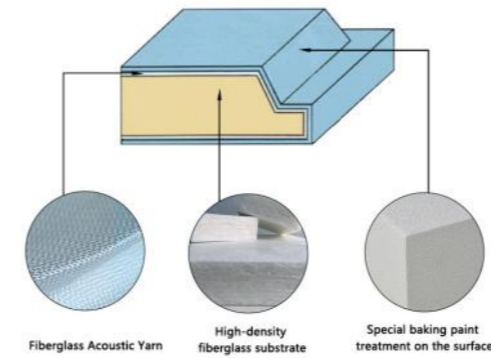
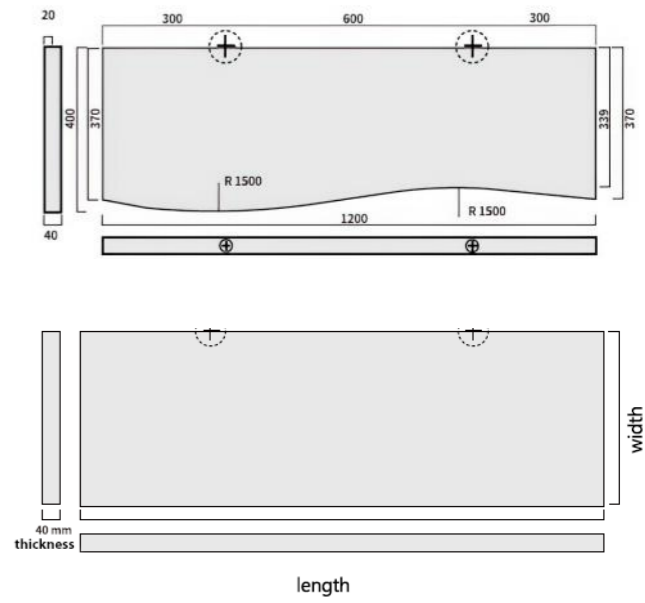
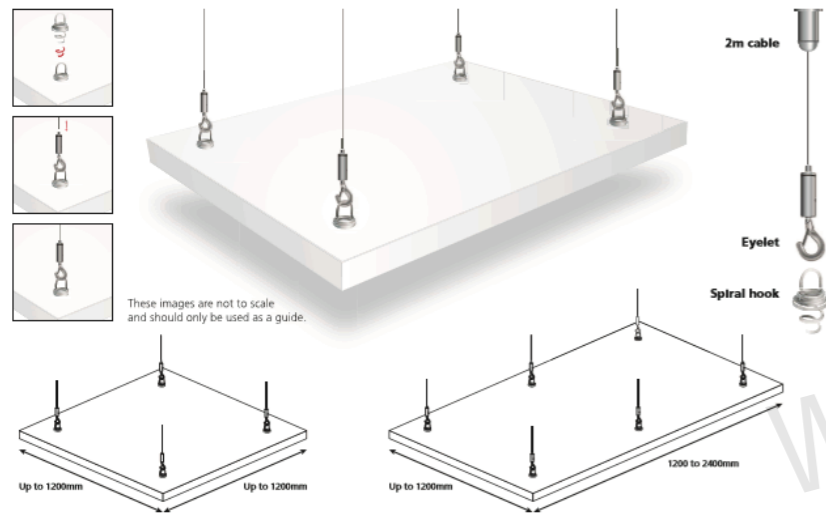


Color



Sound absorption coefficient: (Tested by authority laboratory)
sound coefficient can be adjusted according to installation structure

Frequency	125	250	500	1000	2000	4000
Sound absorption coefficient α	0.50	0.88	1.42	1.45	1.33	1.34



Suspended Sound Absorber Series



Suspended Sound Absorber Series

Characteristics: Suspended sound absorber is the only acoustic material with two sides sound absorption. It is widely used in large space ceiling acoustic treatment, which can greatly reduce the cost of acoustic decoration.

Ceiling Suspended Sound Absorber

Product features: Suspended Sound Absorber is made of high-quality glass fiber cotton, custom aluminum frame and sound-absorbing & dust proof glass fiber cloth. It has the properties of environmental protection, fire proof, high sound absorption, various shape choice and so on. The wide colors and materials selection can well meet the customers any acoustic and decorative requirement. The fire resistance reaches A2 grade and the environmental protection performance reaches E1 grade.

Surface treatment: aluminum frame invisible, aluminum frame visible

Finish: fiberglass cloth series, fabric series

Base material: 80kg/m³ Owens Corning Glass wool

Weight: 5.5kgs/m² (50mm thick) 11.5kgs/m² (100mm thick)

Structure: Aluminum alloy frame around, Owens Corning sound-absorbing cotton inside, wrapped with flame retardant fiberglass cloth or incombustible acoustic fabric.

Installation: horizontal / vertical hanging

Installation accessories: angle steel, light steel keel, screw bolt, pull rivet, wire rope, hanging rings, safety hook.

Size: 600mm*1200mm ; 1200mm *2400mm; 600mm*2400mm (offer customized shape)



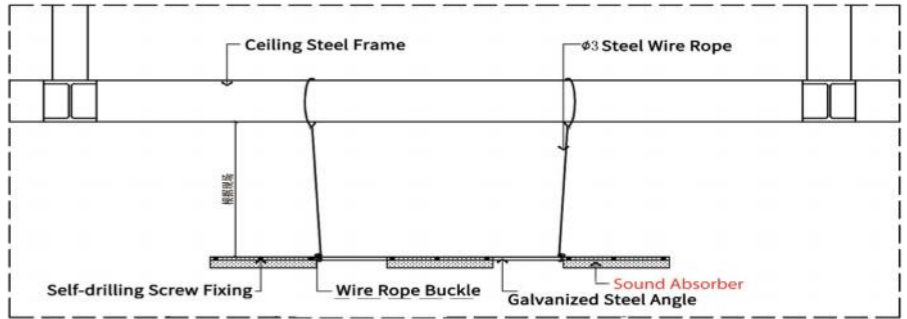
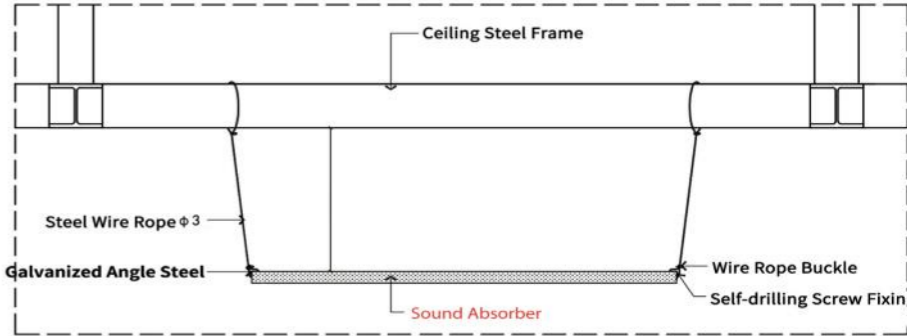
Aluminum frame invisible



Aluminum frame visible

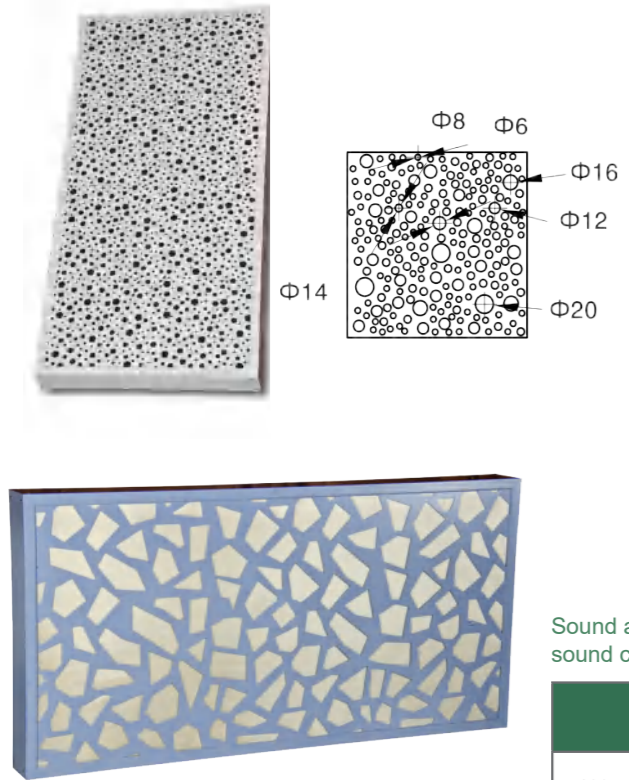
Sound absorption coefficient: (Tested by authority laboratory)
sound coefficient can be adjusted according to installation structure

Frequency	125	250	500	1000	2000	4000
Interval suspend Absorption Coefficient α	0.41	0.86	1.15	1.18	1.21	1.15
Full suspend Absorption Coefficient α	0.20	0.72	0.92	0.89	0.89	0.88



Horizontal Installation Of Space Absorber ②

Irregular Perforated Suspended Sound Absorber



Product features: The irregular perforated suspended sound absorber is made of high quality glass fiber cotton, custom aluminum frame, custom aluminum facing and acoustic dust proof fiberglass cloth. It has the properties of environmental protection, fire proof, high sound absorption, various shape choice and so on. The wide colors and materials selection can well meet the customers any acoustic and decorative requirement. The fire resistance reaches A2 grade and the environmental protection performance reaches E1 grade.

Material consumption: refer to acoustic design
Finish: Custom aluminum finish with many color choice
Surface treatment: colored perforated aluminum sheet
Material: 80Kg/m³ Owens Corning Glass wool
Weight: 9.8Kg/m² (50mm thick)
Perforation rate: 32%
Structure: Aluminum alloy frame around, Owens Corning sound-absorbing cotton wrapped with cloth inside, covered with custom perforated aluminum sheet.
Installation method: horizontal / vertical hanging
Installation accessories: Installation accessories: angle steel, light steel keel, screw bolt, pull rivet, wire rope, hanging rings, safety hook etc..
Product specifications: 1200mm ~2400mm * 600mm ~ 1200mm
Allow tolerance, width: ±2mm, length: ±2mm

Sound absorption coefficient: (Tested by authority laboratory)
 sound coefficient can be adjusted according to installation structure

Frequency	125	250	500	1000	2000	4000
100mm Sound Absorption Coefficient α	0.65	1.1	0.99	1.17	1.28	1.24



Mesh facing Suspended Sound Absorber



Material consumption: refer to acoustic design
Structure: Aluminum alloy frame around, Owens Corning sound-absorbing cotton wrapped with cloth inside, covered with mesh sheet.
Installation method: horizontal / vertical hanging
Installation accessories: Installation accessories: angle steel, light steel keel, screw bolt, pull rivet, wire rope, hanging rings, safety hook etc..
Color: White / cream / black non-combustible cloth, or normal colored fabric choice.
Weight: 50 mm: 6.6kgs/m² 100 mm: 13kgs /m²
Fire resistance: class A /B1 Grade
Environmental protection grade: E1 Grade, according to GB18580-2017 Formaldehyde emission limit of wood based panel and its products' Standard.
Product specifications: 1200mm ~2400mm * 600mm ~ 1200mm
Allow tolerance: length: ±2mm, width: ±2mm

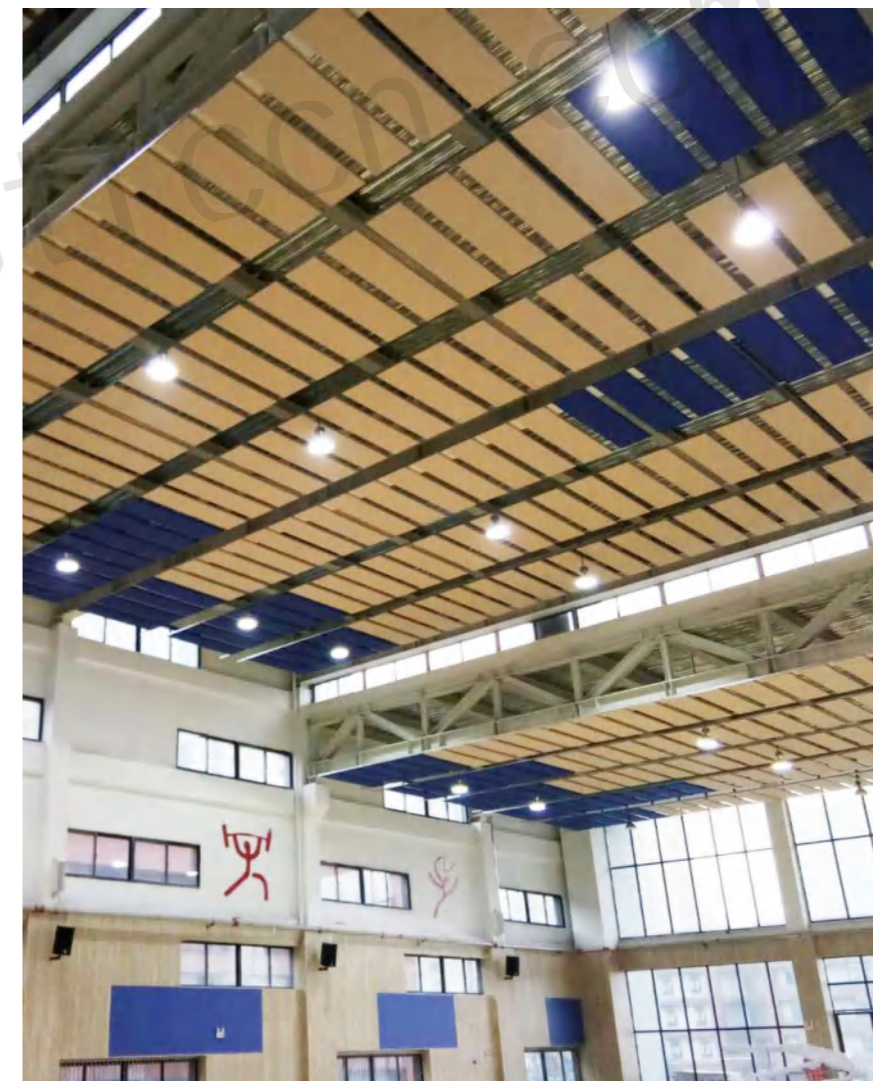


Sound absorption coefficient: (Tested by authority laboratory)
 sound coefficient can be adjusted according to installation structure

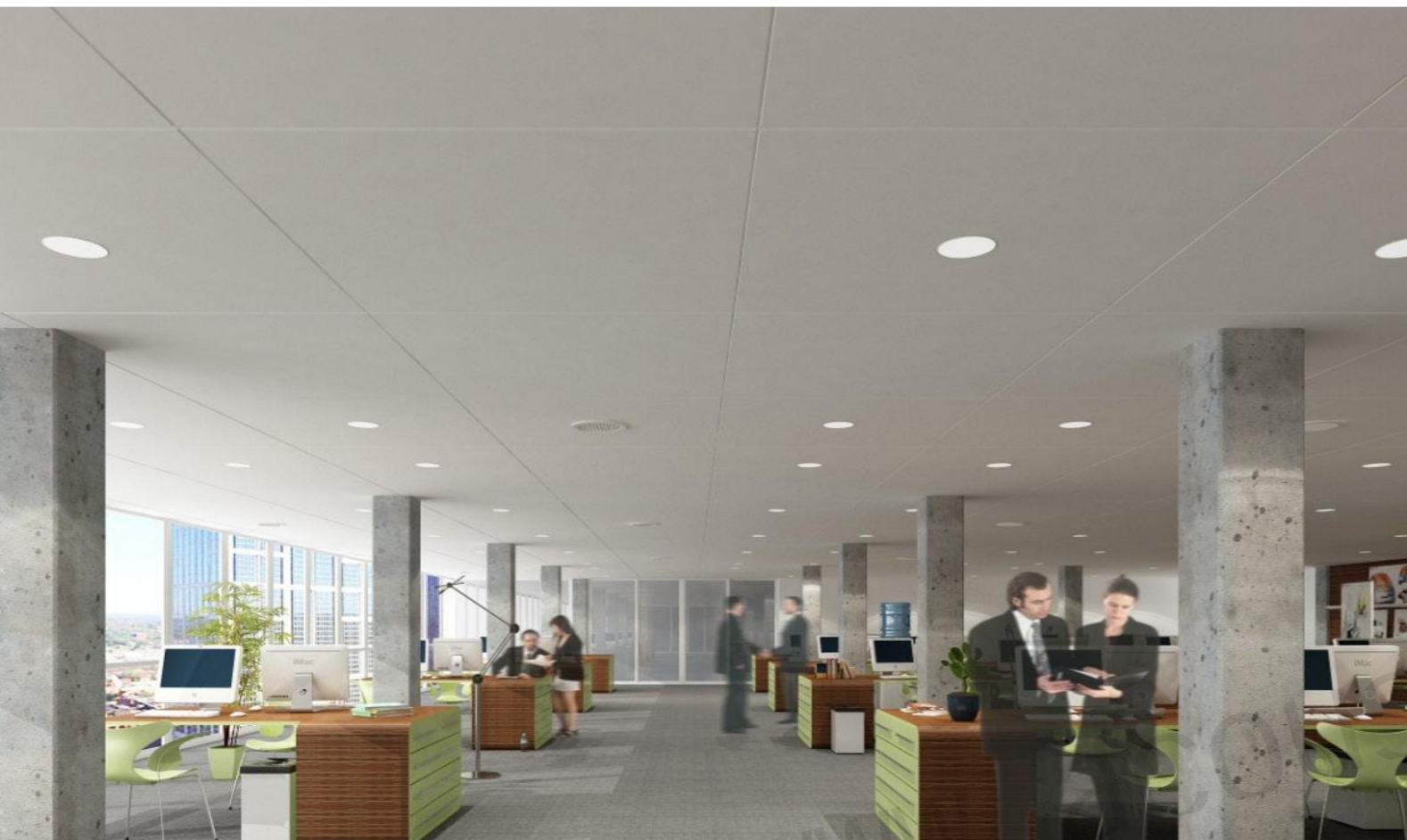
Frequency	125	250	500	1000	2000	4000
sound absorption coefficient α	0.48	0.75	0.99	1.21	1.19	1.24



Suspended Sound Absorber Cases



Sandrock Acoustic Panel



Sandrock Acoustic Panel

Sandrock Acoustic Panel: select inorganic particles of specific mesh size, such as natural sand particles, slag particles, etc., and evenly and thinly cover the surface of all particles with gelling solvent to form coated particles with specific angle coefficient. Under the action of the particles, the coating layer is solidified, so that the small particles are polymerized as if they were welded together, and a large number of irregular and interconnected nano sized small holes are naturally formed between the particles. When the sound wave hits the material surface, one part will be reflected back, and the other part will pass through the nano sized holes for friction, so that the heat energy generated by the sound energy will be gradually attenuated and consumed, thus achieving the function of sound absorption and noise reduction. Generally, the sound absorption coefficient NRC can reach 0.7-0.9.

In this process, the particle size fraction and polymerization mode can be precisely controlled, and the size and arrangement of internal holes can be determined. Therefore, customized design can be carried out according to actual needs and sound absorption and noise reduction products with different acoustic characteristics can be made.

The strength of the products produced by this process can reach 0.7Mpa, fire protection A2, smoke production characteristic S1, and the level of burning and dropping particles can reach d0, which is moisture-proof, antifreeze, acid and alkali resistant, salt spray resistant and anti-corrosion, and anti-aging. In addition, green cementing materials are used in the process, so that the particulate products are free of any harmful volatiles, and are green and environment-friendly acoustic materials.



Sandrock Acoustic Panel



Reasons for recommendation

The main raw material is natural white quartz stone, which is finely crushed and screened, with 40-60 mesh sand particles selected, and then dyed after high-temperature burning. After multiple processes, the material is anti-aging, non decoloring, non fading, and bright and full color.

Product Specifications: 600 * 600 * 6 mm; 600 * 1200 * 8mmmm

Product weight: 3.5kg/sheet for 6mm ; 8.5kg/sheet for 8mm

Installation: same as plasterboard ceiling

Recommended application: any ceiling

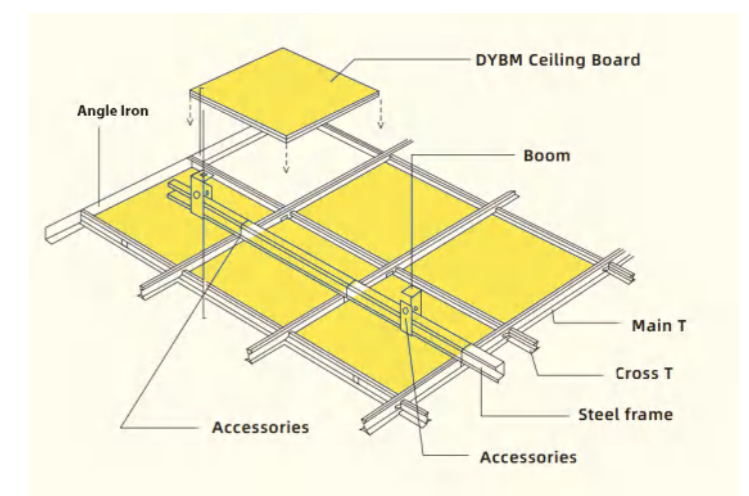


Sandrock Acoustic Panel Ceiling System Description

As a sound absorption structure for building interior decoration, the particle sound absorption board can offer a super quite acoustic environment. It not only has excellent acoustic performance, but also has gorgeous colors, overall aesthetic feeling and surface decoration texture. At the same time, the particle sound absorption system is integrated into the interior design of the building as part of the decoration, so that the acoustic decoration and interior decoration are integrated.

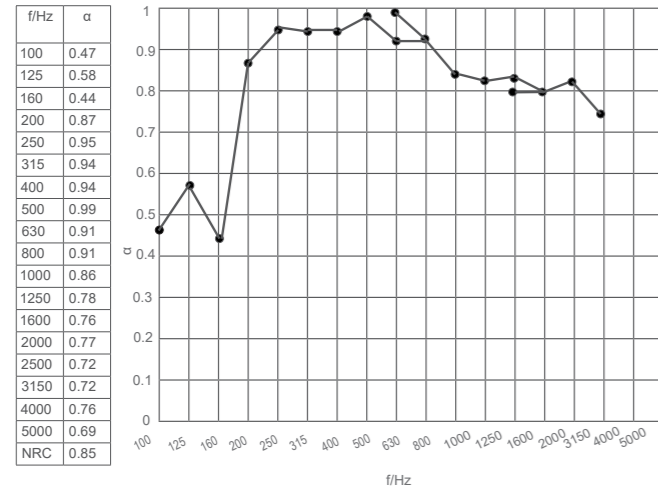


Ceiling installation method



Sound Absorption Parameters Of Sandrock Acoustic Panel

Sound absorption coefficient: (Tested by authority laboratory)
sound coefficient can be adjusted according to installation structure



Construction Notes

1. If the construction personnel have not installed the system, they should carefully read the contents of this manual and receive training before construction;
2. During construction, scaffolding or construction platform with appropriate height shall be erected according to the site conditions to ensure the installation quality of the system. During construction of the acoustic wall, scaffolding shall be erected at a distance of more than 300mm from the construction surface;
3. Sufficient light shall be ensured at the installation site, and construction in a dark environment is not allowed;
4. Attention shall be paid to the temperature and humidity of the construction site, and the construction shall be carried out in the required temperature and humidity environment;
5. During cross construction at the construction site, attention shall be paid to the stacking and protection of raw materials to avoid damage to plates and other materials during cross construction;
6. The dust generated during construction shall be avoided to avoid the decrease of adhesion between the double-sided adhesive tape and the eyesoundboard after absorbing the dust, which will affect the overall firmness of the system;
7. Pay attention to the labor protection of construction personnel during construction, and provide corresponding protective equipment, such as goggles, masks, gloves and other labor protection equipment;
8. Before construction, carefully check the design drawings, including structure, lamps, equipment and other relevant design drawings.

System description

The ceiling series is mainly applied to the acoustic ceiling inside the building. The overall weight of the system is light, moisture-proof, frost resistant, simple installation and construction, no cracking, no falling, and large area seamless installation is supported.

Noise reduction coefficient	NRC≥0.6	System weight	18kg/ m ²
Surface decorative coating	N/A	Color range	Color selection can refer to construction paint color card



Diffuse & Reflection Series



Acoustic Decor Wall Panel

The TianGe acoustic decorative panel adopts high quality board, which has the properties of environmental protection, fire prevention and waterproof, and has a wide range of color and material selection. It can well meet the diversified acoustic and decorative needs of customers.



Acoustic Decor Wall Panel



The deco panel, also known as the acoustic reflected panel, is a kind of material that has decorative and reflective function after putting on a decorative layer on the density board. The acoustic reflector is mainly reflective of the sound while the material paint is finished in the factory to avoid the risk of painting on the project site. It has good decoration.

Base Material : MDF or HDF board, white MGO Board, red MGO board, rubber solid wood

Specifications: 600/1200mm *600/1200/2400mm (Customize size)

Thickness: 12mm / 15mm /18mm

Tolerance: width±1mm length ±1mm thickness±0.2mm

Applicable places: Theater, Conference Room, Villa, Archives Center, Recording Studio, Multifunctional hall

Color



TGTV-2501
White Oak

TGTV-2502
Yellow Oak

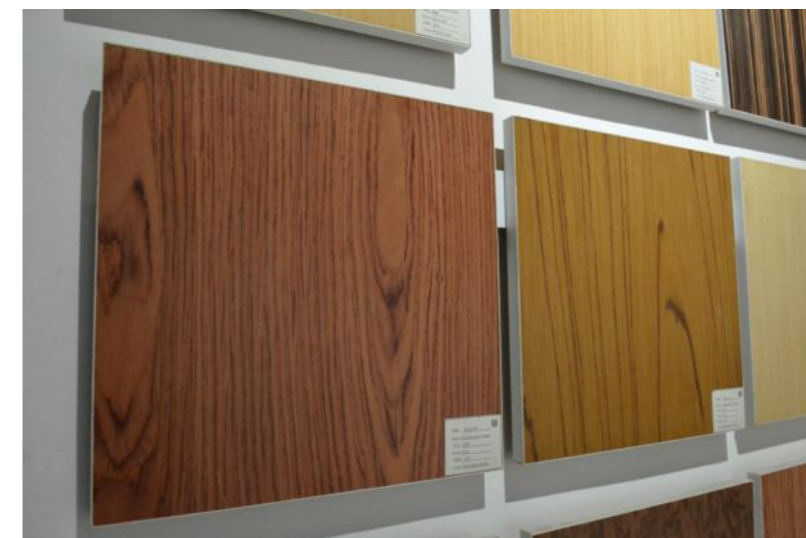


TGTV-2503
Walnut

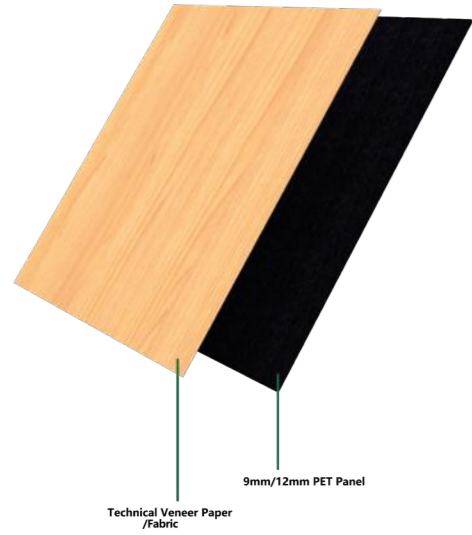
TGTV-2504
Black Oak



TGTV-2505
Smoked Oak



Lightweight Insulation Decorative Panel



Product features:

Product description: Lightweight thermal insulation decorative board is a new type of decorative material. It is scratch-resistant, thin, environmentally friendly, thermally insulating and energy-saving, and can well meet customers' diverse acoustic and decorative needs. The surface of the lightweight thermal insulation decorative board is made of technological wood grain paper, which has rich and diverse colors and is suitable for various places, improving the combination of artistry and practicality of the overall decoration.

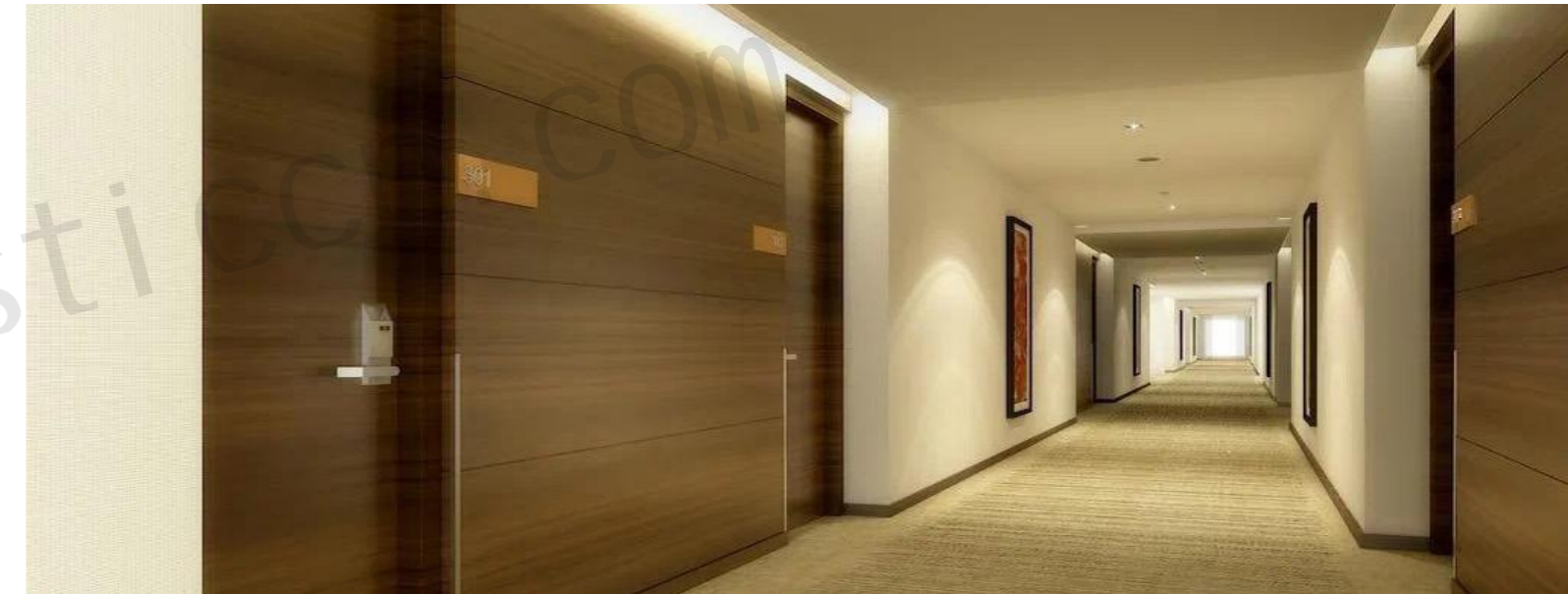
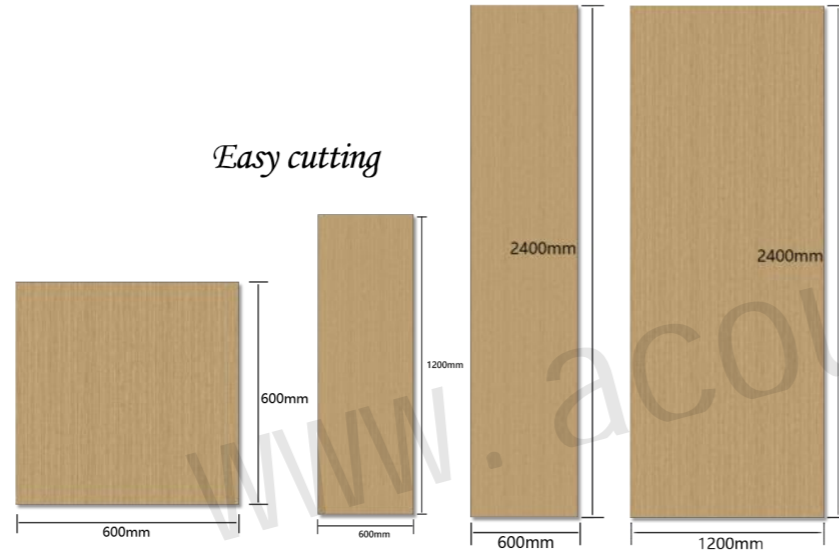
Finish: technical wood veneer paper / fabric

Fire rating: B1

Environmental protection grade: E0, no formaldehyde emission

Applicable places: art center, concert hall, school, lecture hall, museum, etc.

Easy cutting



MLS Diffuser



MLS Diffuser

Characteristics: TianGe Acoustic diffusers adopts QRD diffusion theory. The theory is the quadratic remainder theory, which is based on the quadratic remainder to calculate the different depth of the pedal to form the diffuser. Sound energy goes into different depths, and then is gradually released at different times. The result is that the peaks and valleys are smoother, thus forming a more balanced and neutral listening environment.

MLS Diffuser



Product features: Compared with the traditional MDF board MLS, the solid wood MLS diffuser adopts the texture of the original solid wood, and no need to veneer again, reduce the production process and more overall and aesthetic. MLS diffuser has excellent diffusion properties. The incident sound energy can be effectively dispersed so as to avoid echo and produce standing wave. The sound field is more uniform, the sound environment is improved, as well as the sound brightness. The frequency range of diffusion (500Hz-4000Hz) up to 20000Hz, and the highest environmental protection reached E1 Grade.

Product Structure

Model: MLS

Base material: Rubber solid wood / MDF with veneer / Mgo board with HPL veneer

Finish: Original wood color / paint color

Density: 25kg-40kg/ m³

Product Specification (offer size customization)

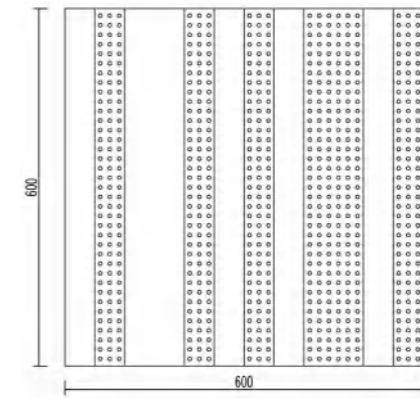
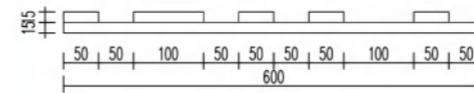
Length: 600mm/1200mm/1800mm

Width: 600mm

Thickness: 30mm or customized thickness.

Allow tolerance: length: ± 2mm, width: ± 2mm, thickness: ± 0.5mm

Applicable places: Home theatre, concert hall, opera house, audio visual room, recording studio, leisure place and so on.



QRD Diffuser

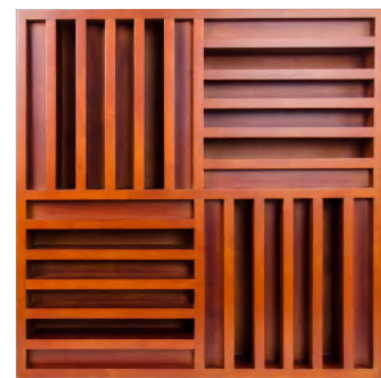
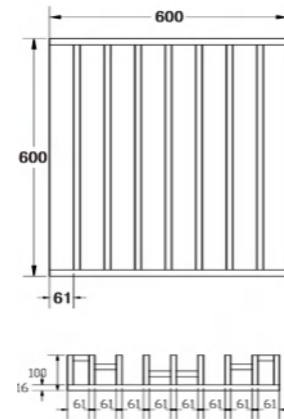
Cloud Shape Diffuser

Product features: QRD-N1 solid dispersion can disperse incident sound energy to avoid echo and produce standing wave. The sound field is more uniform, the sound environment is improved, as well as the soundbrightness . Diffusion frequency range is form 500Hz to 2000Hz.

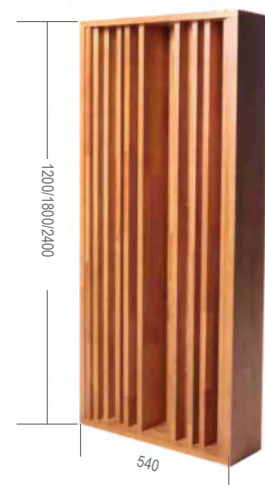
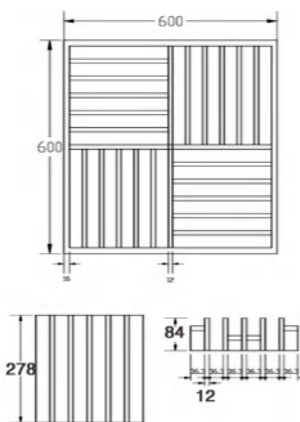
QRD-N2: The theory is the quadratic remainder theory, which is based on the quadratic remainder to calculate the different depth of the pedal to form the diffuser. Sound energy goes into different depths, and then is gradually released at different times. The result is that the peaks and valleys are smoother, thus forming a more balanced and neutral listening environment. Diffusion frequency range is form 615Hz to 1229Hz.



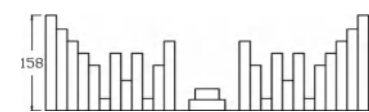
QRD-N1



QRD-N2



QRD - N4 Diffuser



Environmental protection: E1 Grade, according to GB18580-2017 Standard for «formaldehyde emission limit in wood-based panels of interior decoration materials and their products» ;

Base Material: Rubber solid wood;

Applicable places: Home Theatre, concert hall, opera house, audio visual room, recording studio, Recreation Club and so on;

Thickness: 100mm;

Specifications: 600mm *600/1200/1800mm
(allowable tolerance: length ± 2 mm, width ± 2 mm, thickness ± 1 mm)

N1 diffusion frequency range (500Hz-2000Hz), up to 2529Hz.

N2 diffusion frequency range (615Hz-1229Hz), up to 2529Hz.



QRD - N3 Diffuser



Model: QRD-D8

Bae material: High-density FRP mould pressing

Color: white, gray, blue (customized color)

Product features: The cloud shape diffuser is a kind of 3D diffuser. The cloud shape diffuser adopts hyperbolic design to diffuser sound waves in many aspects.the appearance becomes cloud shape, install especially on ceiling, have different visual experience.High-end decorative effect, especially suitable for home theater, recording studio, studio and other small rooms.

Fire Retardant rating: Class A ,according to GB8624-2012

Environmental protection: E1 Grade, according to GB18580-2017 Standard for "formaldehyde emission limit in wood-based panels of interior decoration materials and their products".Environmental protection, no dust pollution .

Specifications: 600mm *600mm *80mm

Allowable tolerance: length: ± 1 mm,width: ± 1 mm, thickness: ± 1 mm

Installation method: self tapping screw fixation

Install accessories: 12mm flame retardant plywood batten, self tapping screws etc.

Application places: home theater, audio-visual room, recording studio, club and so on



Diffusers/ Reflection Series Cases



Sound Insulation & Vibration Series



Sound Insulation Board

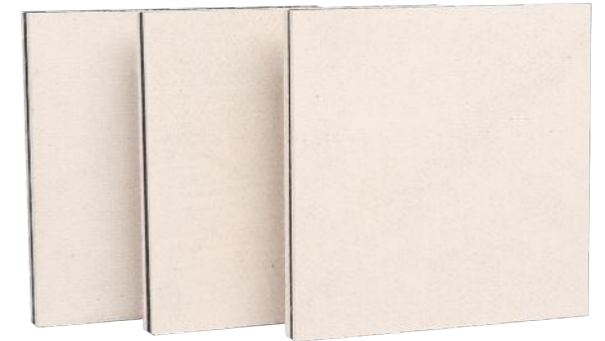
Sound insulation: simply speaking, it is a measure to attenuate sound in the process of sound propagation, so that it attenuates propagation. A sheet made of high-density materials has an average sound insulation of more than 30 dB called the sound insulation board.



Sound Insulation Board

Product features:

The composite sound insulation board is made of three layers or more of materials with different densities and characteristics, and the material with high molecular damping is added to change the original material acoustic vibration frequency, uses sandwich structure with high pressure composite forming, stroke damping constraint structure, to reduce the sound waves energy around 95%. When the sound insulation plate begins to vibrate under the impact of sound waves, the polymer material in the middle of the plate will undergo shear stress. Under the action of the contact under compression stress and shear stress, effectively convert the mechanical energy of sound waves into heat energy dissipation, thus improve the sound insulation of the board.



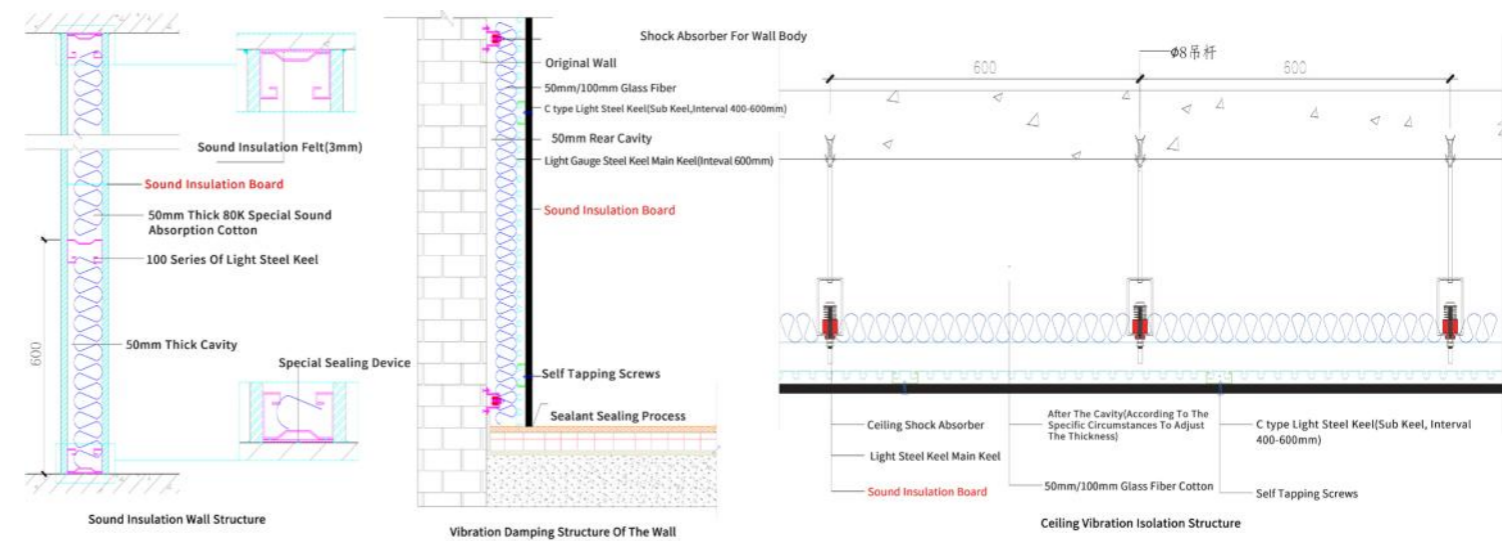
T-258



T-568

Sound absorption coefficient: (Tested by authority laboratory)

Model	kg/ m ²	kg	Specifications	Area of single piece (m ²)	Double layers sound insulation rate	Single layer sound insulation rate	Remark
T-258	18.5	55	1220*2440*16	2.9768	50 dB	48 dB	Steel keel: 75 series keels sound insulation board:single/double layer sound insulation board Filler: 48 kg/m ³ *100mm glass cotton
T-568	24.9	74	1220*2440*18	2.9768	56 dB	53 dB	

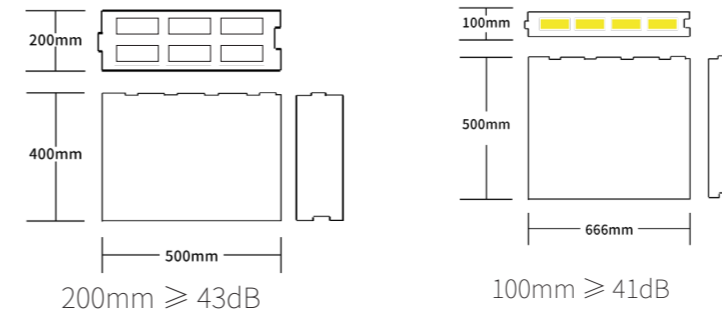


Lightweight Insulation Brick



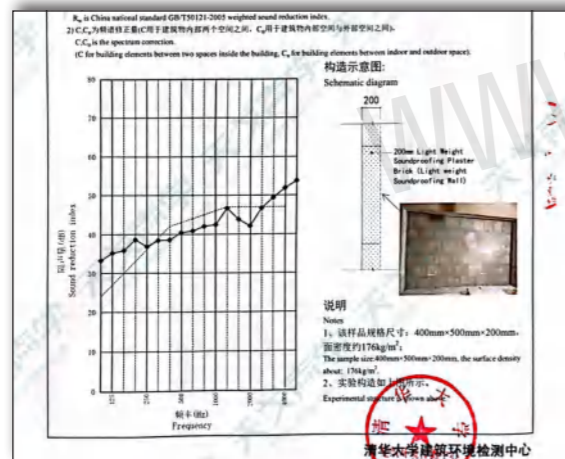
Lightweight Sound Insulation Brick is made from high temperature calcined gypsum powder, slag powder, reinforcing fiber and other materials, each cubic finished brick weight is only around 620 kg/m³. There is no need to use cement mortar or plaster surface layer after the construction finished. The surface is very smooth to use putty directly.

1. High soundproofing coefficient to meet the needs of a wide range of locations
2. Lightweight material to meet various building load requirements
3. Fast construction, save money and labor
4. Fire class A
5. Solid walls with high structural safety
6. High load capacity, stable and reliable
7. Smooth surface, high precision, no cracking

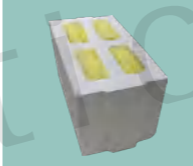


Sound insulation (100mm thick, cotton filled):	≥ 41dB
Sound insulation (200mm thick, not filled with cotton):	≥ 43dB
Block capacity (kg/m ³):	≤ 620kg
Minimum wall thickness:	32mm
Combustion performance:	Grade A
Fracture load (N):	≥ 3500
Single point hanging force (N):	1000
Cavity filling (glass wool):	≥ 48kg/m ³


Test Reports / National standard: JC/T 698-2010 (2017) Gypsum blocks




检测项目	检测依据	检测结果	判定
外观质量	GB/T 2542-2003	合格	合格
尺寸偏差	GB/T 2542-2003	合格	合格
抗压强度	GB/T 2542-2003	合格	合格
吸水率	GB/T 2542-2003	合格	合格
干燥收缩率	GB/T 2542-2003	合格	合格
抗折强度	GB/T 2542-2003	合格	合格
抗冻性	GB/T 2542-2003	合格	合格
耐水性	GB/T 2542-2003	合格	合格
放射性核素	GB 6566-2002	合格	合格
重量偏差	GB/T 2542-2003	合格	合格
表面质量	GB/T 2542-2003	合格	合格
吸水率	GB/T 2542-2003	合格	合格
干燥收缩率	GB/T 2542-2003	合格	合格
抗折强度	GB/T 2542-2003	合格	合格
抗冻性	GB/T 2542-2003	合格	合格
耐水性	GB/T 2542-2003	合格	合格
放射性核素	GB 6566-2002	合格	合格
重量偏差	GB/T 2542-2003	合格	合格
表面质量	GB/T 2542-2003	合格	合格



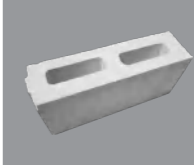
T200BC: Type200 Insulation Brick + Acoustic Cotton Inserted
Applicable places:
 High-end hotel rooms, bars, electro-acoustic KTV and other places with high sound insulation needs



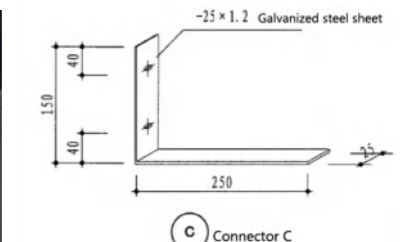
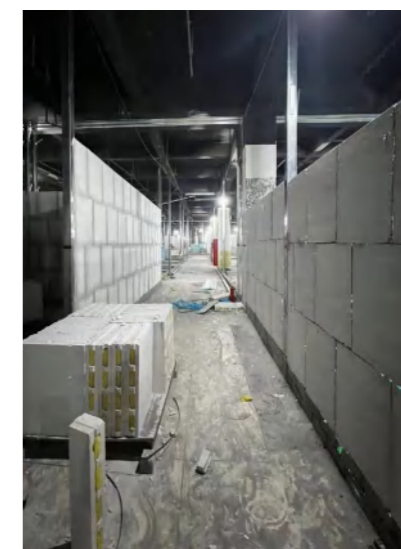
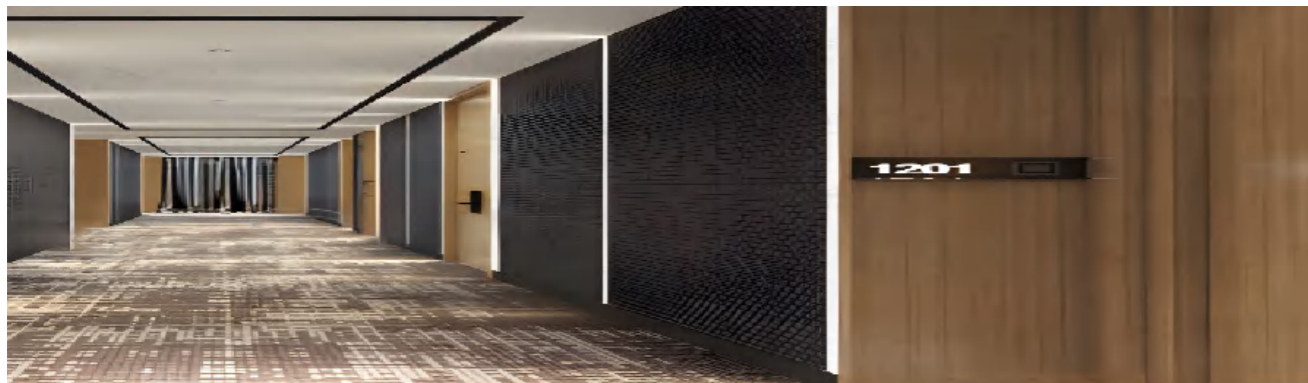
T100BC: Type100 Insulation Brick + Acoustic Cotton Inserted
Applicable places:
 Hotel rooms, KTV, bar, high-end offices, hospitals, schools and other places with sound insulation needs



T200B: Type200 Insulation Brick
Applicable places:
 Apartment house partition walls, factory firewalls, and other non-load-bearing partitions



T100B: Type100 Insulation Brick
Applicable places:
 General office partitions, factory firewalls, apartments, and other non-load-bearing partitions



Deadening Felt



Product Specification (Commonly Used)

Size ①: 10m *1m *1.2mm / 2.0mm

Size ②: 5m *1m * 3.0mm

Allowance Tolerance: width±2mm/length±2mm/thickness±0.5mm

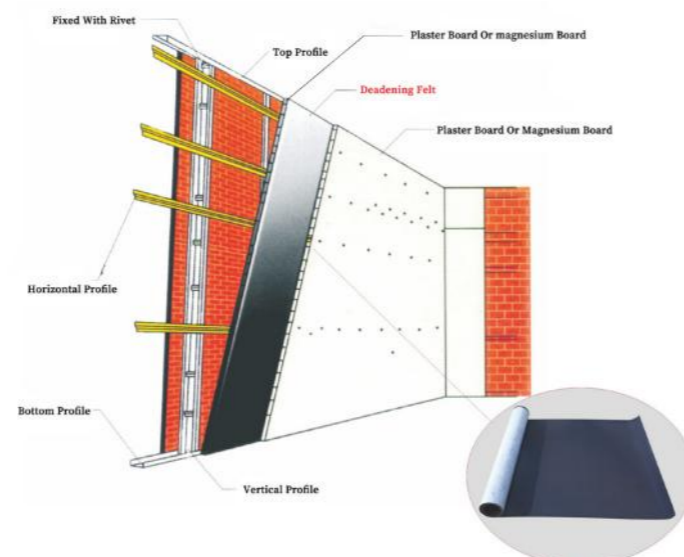
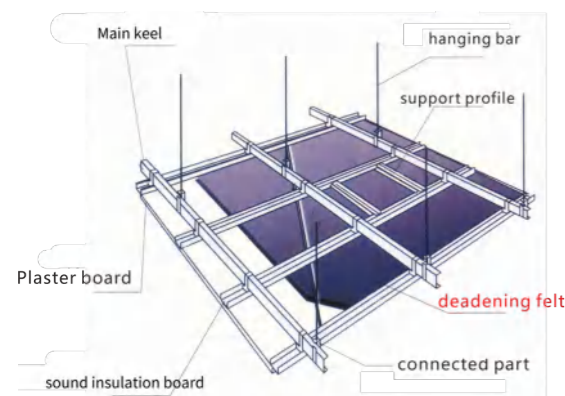
Deadening felt is a new kind of sound insulation material made of high and new technology. It is made of polymer material, metal powder and various additives.

Deadening felt is widely used in the construction industry, home bedroom, factory building, machine room, air compressor room, conference room, multifunction hall, KTV singing room, industrial pipeline, office, automobile and other places that need noise reduction.

Product Features:

1. No ozone damaging substances;
2. No lead and oil pollution;
3. Easy to shear, glue, sew, nail or mechanical compound;
4. Safe combustion, self-extinguishing after flame removal, no drops;
5. High tensile strength and tear resistance.
6. The environmental performance is E1 Grade.

Type	Thickness/mm	Weight/pcs	Insulate (dB)
TI-d1.2	1.2	24 (10 m ²)	24
TI-d2.0	2.0	35.7 (10 m ²)	27
TI-d3.0	3.0	29 (5 m ²)	30



Sound And Vibration Absorption Mat

Product features:

Sound and vibration absorption mat is made of high density polyethylene foam through nanotechnology. It's a green, economical and durable products with over 70 years service life, having significant effect of reducing the floor impact sound. At the same time, the material is light weight, giving strong load capacity to the construction. It is moisture-proof, waterproof, mildew-proof, easy installation, easy cutting.

The principle of sound and vibration absorption mat insulation:

Impact sound isolation: the elastic nano-bubbles forming the whole floor floating building structure, attenuates the sound transmission effect of solid. It decreases the upper ground match effect, enhance acoustic impedance force. Nano bubbles with tiny holes structure generated cavity resonance and weaken sound energy, result in the noise reduction.

Sound insulation effect: Laying the materials on 12-14cm thick concrete floor, paving 4cm thick cement on the surface, which can meet the national sound insulation requirements for floor impact sound less than 75 dB (refers to the downstairs no more than 75 dB)

Applicable places:

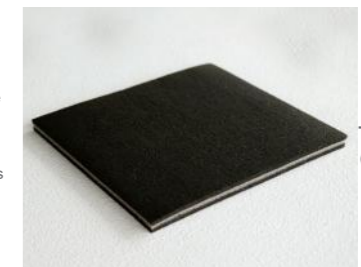
Sound and vibration absorption mat is mainly used for ground insulation in KTV, disco, gym, machines room, home theater, high-end residential district and other strong noise areas scope.

The sound and vibration absorption mat installation method:

1. Smooth, clean surface, cutting as per required size before installation.
2. The product is laid on the floor, the laying position is as high as the kick line seam alignment, and sealed with tape.
3. Avoid leakage or any seam between the product and the ground.
4. After all above process, immediately pave with cement, tile or wood floors.



TD-10A
(Dimension:W970*L10000*T10mm)



TD-10B
(Dimension:W1000*L20000*T10mm)

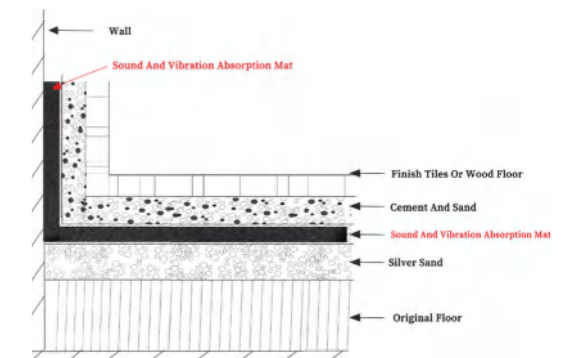


Table 4.2.7 Sound insulation standard for floor plate impact in households GB 50118-2010

Component name	Single value evaluation value of impact Sound Insulation (dB)	
Floor slab for bedroom and living room	Weighted normalized impact sound pressure level L_n, W (laboratory measurement)	<70
	Weight standardized impact sound pressure level L'_{nt}, W (laboratory measurement)	≤70

Table 4.2.8 Standard for high sound insulation performance of bedroom and living room floor plates

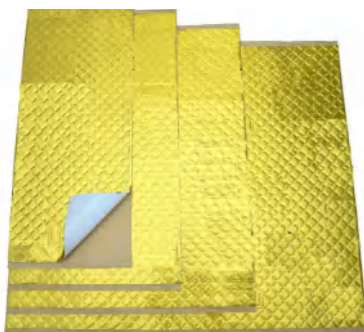
Component name	Single value evaluation value of impact Sound Insulation (dB)	
Floor slab for bedroom and living room	Weighted normalized impact sound pressure level L_n, W (laboratory measurement)	<60
	Weight standardized impact sound pressure level L'_{nt}, W (laboratory measurement)	≤60



Model No.:M01
Material :Butyl rubber damping polymer
Size: 610*610*2mm or customized
Weight: 1.4KG/pcs
Package: 25pcs/carton
Standards: in line with EU SGS environmental protection certification
Advantage: M01 is developed based on the principle of acoustics, and is made of high-purity environmentallyfriendly butyl rubber supplemented with modified specialhigh-damping materials. With black colloid as the base layer, it has the advantages of excellent shock absorption,sound insulation, noise reduction, high viscosity, and high elasticity.
Application places: wall,ceiling and roof for raining noise reduction

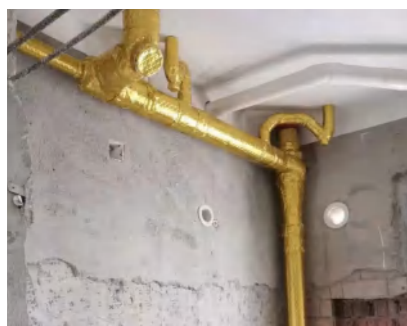


Model No.: M02
Material: Black Butyl rubber damping polymer+100um black aluminium sheet
Size:610*610*2mm(customizable)
Weight: 1.5KG/pcs.
Package: 25pcs/carton
Standards: in line with EU SGS environmental protection certification
Advantage: On the basis of M01 is covered with a layer of 100 um aluminum sheet layer, which is fireproof andwaterproof, strengthens the shock absorption performanceof the damping layer, and the oxidation resistance is more stable and lasting!
Application places: wall,ceiling and roof for raining noise reduction

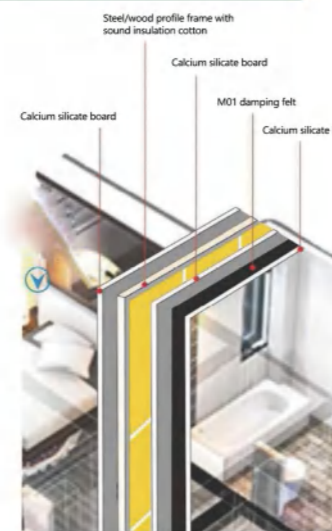


Common Pipe Type	Pipe Circumference	Damping Felt Size
50Pipe	160mm	500*210*2mm
75Pipe	240mm	500*290*2mm
110Pipe	350mm	500*410*2mm
160Pipe	500mm	500*590*2mm

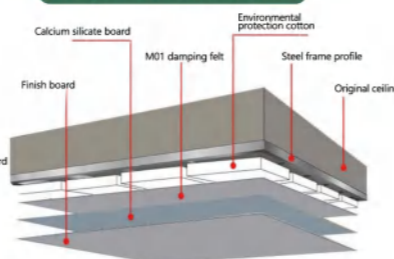
S pipe, T Pipe, Elbow Pipe packages can be cut accordingly at site needed.



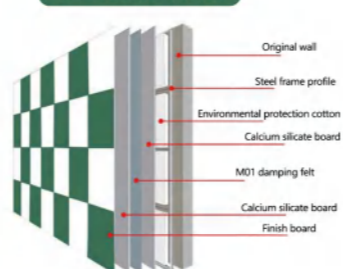
Room to Room SoundInsulation Method



Ceiling Sound Insulation Method



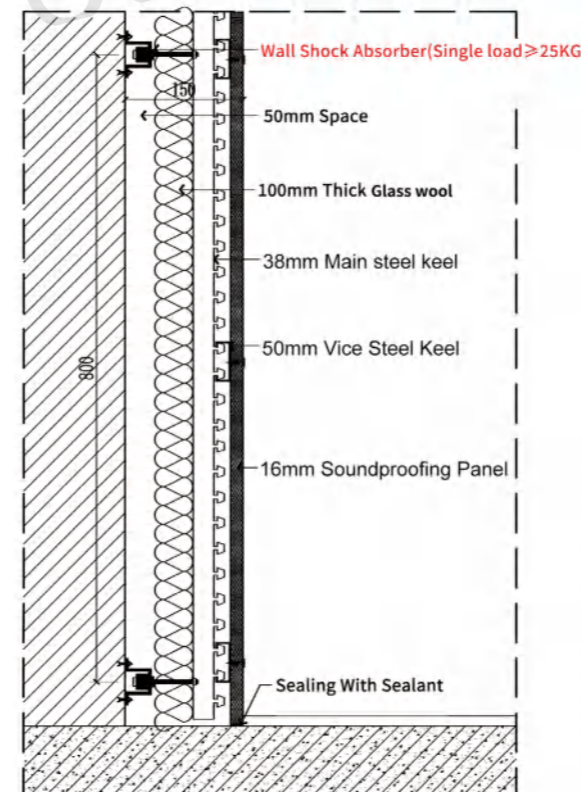
Wall Insulation Method



Product features: the ceiling/wall shock absorber is made of high polymer damping rubber and cast with 100% original rubber. The aging resistance time and damping coefficient are more than five times of the refurbished rubber parts, which is permanent and safe.The low frequency sound insulation effect is obvious.



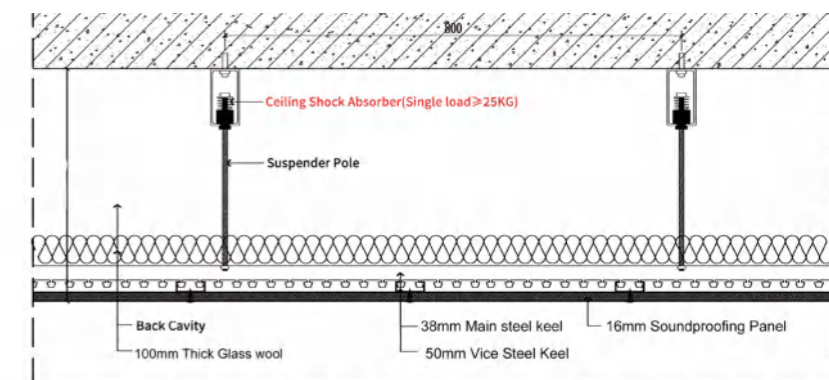
Wall Shock Absorber



Wall Shock Absorber Size:
 100mm* 100mm*50mm
Ceiling Shock Absorber Size:
 100mm* 50mm*50mm
Single load-bearing capacity: 40Kgs-60Kgs
Effective frequency range: 50Hz 2000Hz
Installation method: fixed with expansion screws
Applicable places: bar, KTV room, recording studio, etc (the ceiling with installation of various sound insulation board, plasterboard, etc.)
Consumption settlement : 2-3pcs/ m²



Ceiling Shock Absorber



Top Surface Of Acoustic Panel Installation

Soundproof Metal Door

Product features:

TianGe Soundproof door is made of all-steel material, which is cut out and pressed in one piece, filled with TianGe special sound-absorbing and shock-absorbing materials, and used with TianGe special sealing tape and multi-layer folding technology to ensure the sound insulation effect. It can be customized according to the size of the door provided by the customer. The installation method is the same as the ordinary wooden door.

1. Standard Configuration/ with threshold

Item	Y-01/02 Panel
door panel thickness	66mm
metal sheet thickness	1.5mm
door frame inner distance	830mm
wall open size	850mm

2. Standard Specification

Single Sliding/mm	860 X 2050
Double Sliding/mm	1500 X 2100

3. Soundproof Effect

Single Sliding	40 - 45 dB
Double Sliding	35 - 40 dB

4. Hardware Fittings



1. Standard Configuration

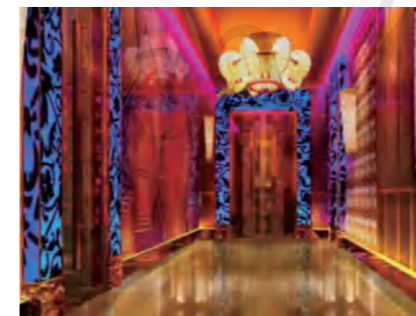
Item	Y-05/06(Panel)
door panel thickness	60mm
metal sheet thickness	60mm
door panel size	800mm
wall open size	960mm

2. Standard Specification

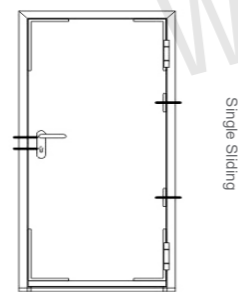
Single Sliding/mm	800 X 2100
Double Sliding/mm	1500 X 2100

3. Soundproof Effect

Single Sliding	35 - 40dB
Double Sliding	30 - 35 dB



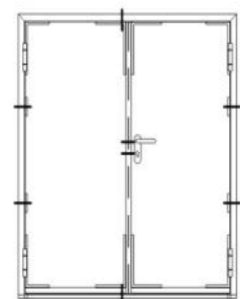
Applicable places: hospital, school, factory, machine room, KTV, hotel, lab, TV center, culture center, conference hall, studio, recording studio, piano room, theater, cinema, residential, study room etc..



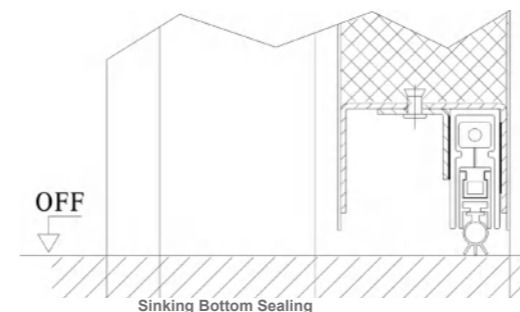
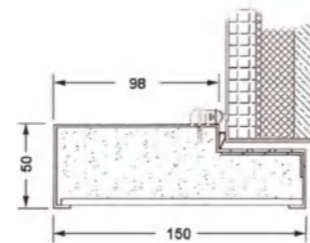
Single Sliding



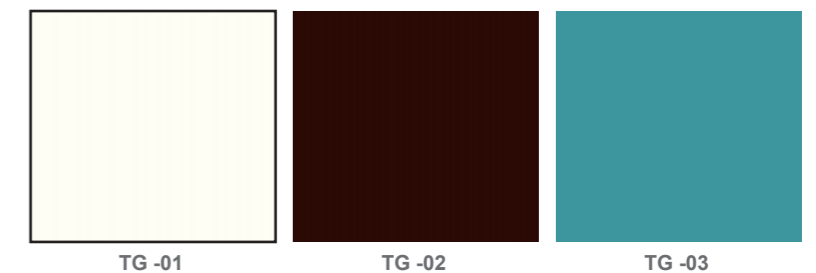
Threshold drawing



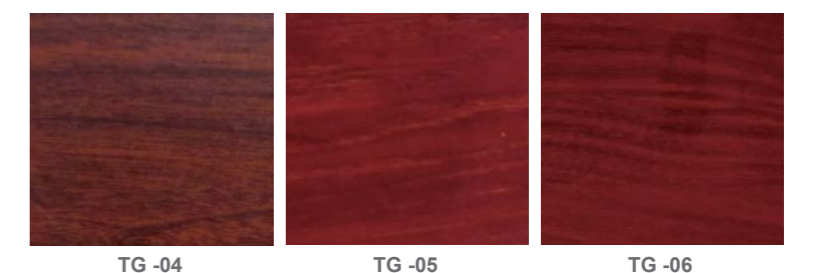
Double Sliding

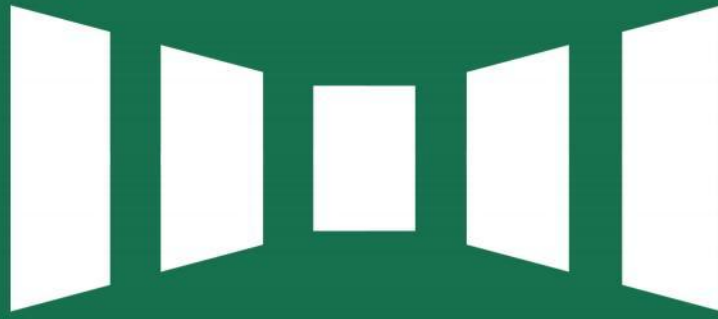


Pure Paint Color Chart



Wood Grain Color Chart





TIANGE

Professional Acoustics & Decoration Overall Solution

[Company Name]

Guangdong TianGe Acoustics Group Co., Ltd.

Guangdong TianGe New Material Technology Co., Ltd.

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[Manufacturer Name]

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GoodSound Acoustic Web: www.goodsoundacoustic.com

Facebook: www.facebook.com/tiangeacoustics

YouTube: www.youtube.com/channel/UC1H0GYXcSMAbiikle2d01g

Twitter: twitter.com/TianGe_Acoustic

Instagram: www.instagram.com/tiangeacoustics



WEBSITE



GOOD SOUND
WEBSITE