



TIANGE ACOUSTICS

PET Series Product Brochure



GOOD SOUND 好声音®

TIAN GE®



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TianGe Group was founded in 2008, is the first-rate acoustics decoration integrated solution service provider in China. It has its own acoustics decoration design company, marketing company and production base of 10,000 square meters, workers 150 persons. Our company has been rated as a high-tech enterprise in Guangdong Province.

It is the edit unit for national book of 《Code for Design of Sound insulation for civil buildings》 and the book of 《Code for Design of Acoustic for Shared Spaces in Large Buildings》. It is also the professional committee of Theatre Construction Technology of China Dance Art Society and the member unit of the China Acoustical Society. It owns more than 50 kinds of patented products with independent intellectual property rights. TianGe Factory has obtained ISO9001, ISO14001, ISO45001 certification. TianGe products have obtained CE certification from the European Union, French BV certification and nearly 150 authoritative test reports. At the same time, our company also has first-class architectural acoustics design qualification and second-class construction qualification.

100+
Acoustic
Test Reports

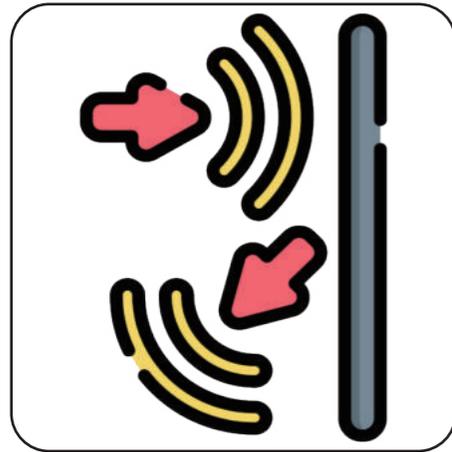
50+
Items Patented
Products

300+
Overseas
Projects

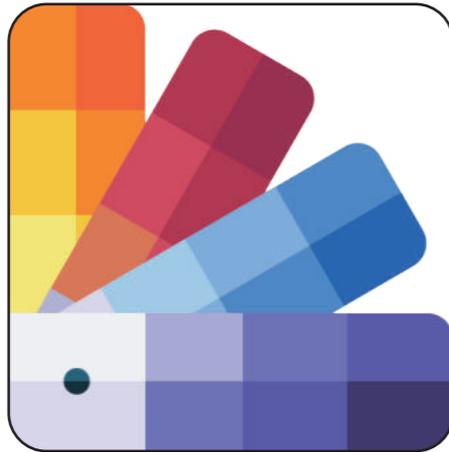
9800+
Customers

PRODUCT INTRODUCTION

TianGe sound-absorbing decorative art board is a new type of sound-absorbing material with multiple breathability and density, made of 100% polyester fiber as raw material, through high-tech hot pressing fusion and in the shape of fluorescent cotton. This sound-absorbing decorative art board has the characteristics of sound-absorbing, flame retardant, non-toxic, harmless, non irritating, and odorless. It is a new type of indoor decoration material that integrates sound absorption, insulation, and decorative effects.



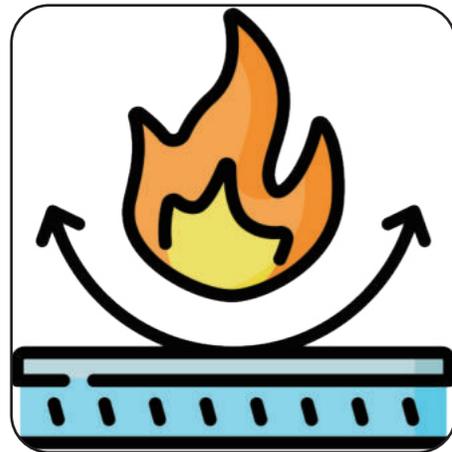
Sound insulation



Colorful diversity



Environment protection



Fireproof



Waterproof



Easy to install

PRODUCT CERTIFICATE



ISO 9001



ISO 14001



ISO 45001



FSC certificate



German Rhine Certificate



CE Certificate

ENVIRONMENTALLY FRIENDLY PRODUCTS

TIAN GE®

Tiange has a mission to actively protect the environment
 In the hearts of the Tiange people
 Protecting the environment is a responsibility
 From raw materials to products
 Every product produced by Tiange is environmentally friendly



PRODUCT FIRE PROTECTION REPORT

中钢集团郑州金属制品研究院股份有限公司
 国家金属制品质量检验检测中心
 检测报告

报告编号: JCBO(01)22070995 共2页第1页

委托单位	佛山天光声学装饰材料有限公司	
生产单位	佛山天光声学装饰材料有限公司	
样品名称	12mm 异形吸音结构	样品委托编号 JCBO(01)22070995
规格型号	1500*1000*25 (mm) ±3 层, 1500*500*25 (mm) ±3 层, 500*500*25 (mm) ±2 层	批号
代表数量	---	样品特征
检测类别	委托检测	委托日期
委托人	徐伟东	见证人
接收日期	2022-07-12	检测完成日期
检测依据	1.GB/T 20284-2006《建筑材料制品的单体燃烧试验》; 2.GB/T 8624-2007《建筑材料可燃性试验方法》。	
判定依据	GB 8624-2012《建筑材料及制品燃烧性能分级》	
检测项目	检测项目见第2页	
检测结论	送检样品经检测符合 GB 8624-2012 标准中燃烧性能等级为 B1 级(平铺)建筑材料及制品的要求。	

备注: 所有检测项目均在委托检测完成

广东产品质量监督检验研究院
 Guangdong Testing Institute of Product Quality
 Supervision
 检测报告 TEST REPORT

报告编号: SQ2206341 Page 1 in 3

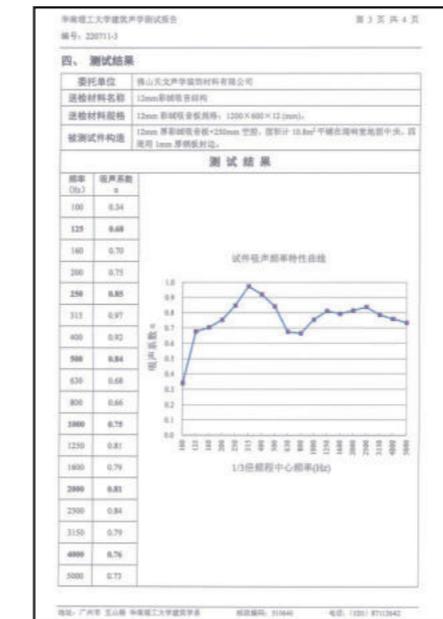
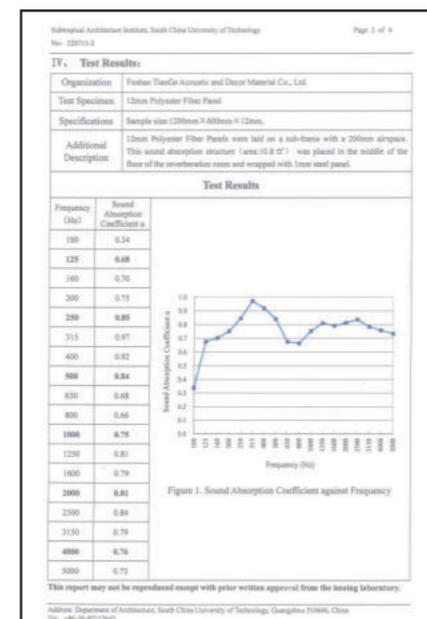
Report Random No.	1001180	生产日期/有效日期	June 2022 / ---
产品名称	12mm Polyester Fiber Panel	生产批号	---
型号/规格	1500mm*1000mm	商标	---
用途	Qualified products	检验项目	---
定检单位	---	检测单号/委托单号	012722
定检日期	---	检测日期	---
定检地址	---	检测机构	Commissioned test
委托单位	FORSHAN TIANGGE ACOUSTIC AND DECOR MATERIAL CO., LTD.	检测地点	---
生产单位	FORSHAN TIANGGE ACOUSTIC AND DECOR MATERIAL CO., LTD.	检测数量	---
生产地址	No.14, Hengze Road, Dabang Industrial Zone, Nansha District, Foshan City, Guangdong Province, China	委托方式	送检/抽检
检测日期	2022-07-12	检测日期	August 8, 2022
检测数量	2 pieces	检测日期	August 16, 2022
检测项目	GB 18389-2017 Indoor decorating and refurbishing materials - Limit of formaldehyde emission of wood-based panels and finishing products	检测结论	Formaldehyde emission was tested in this commission test. The test data is from the SQ220547 report. If there is any discrepancy, the Chinese version SQ220547 report shall prevail.

广东产品质量监督检验研究院
 Guangdong Testing Institute of Product Quality
 Supervision
 检测报告 TEST REPORT

报告编号: SQ2206341 Page 1 in 3

Report Random No.	1001180	生产日期/有效日期	June 2022 / ---
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定检单位	---	检测单号/委托单号	012722
定检日期	---	检测日期	---
定检地址	---	检测机构	Commissioned test
委托单位	FORSHAN TIANGGE ACOUSTIC AND DECOR MATERIAL CO., LTD.	检测地点	---
生产单位	FORSHAN TIANGGE ACOUSTIC AND DECOR MATERIAL CO., LTD.	检测数量	---
生产地址	No.14, Hengze Road, Dabang Industrial Zone, Nansha District, Foshan City, Guangdong Province, China	委托方式	送检/抽检
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PRODUCT SOUND ABSORPTION COEFFICIENT



Test Report
 Subtropical Architecture Institute
 South China University of Technology

Test Specimen: 12mm Polyester Fiber Panel

Test project: Sound Absorption Coefficient

Organization: Foshan TianGe Acoustic and Decor Material Co., Ltd.

Tested by: Liu Ruijie

Inspected by: Zhao Junzuo

Charged by: Sun Hua

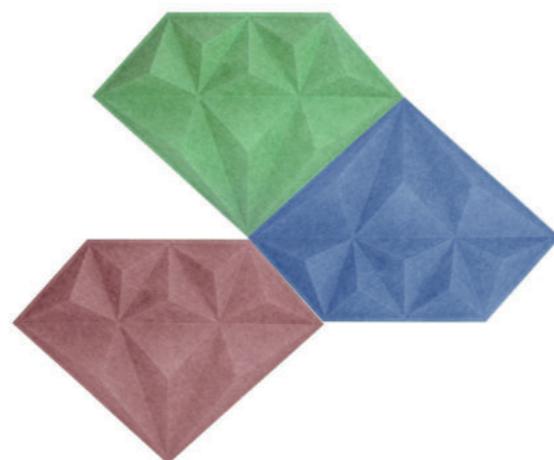
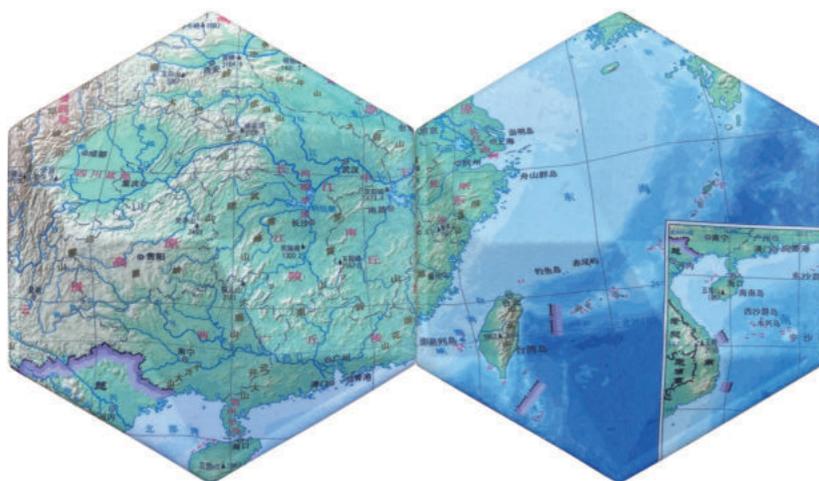
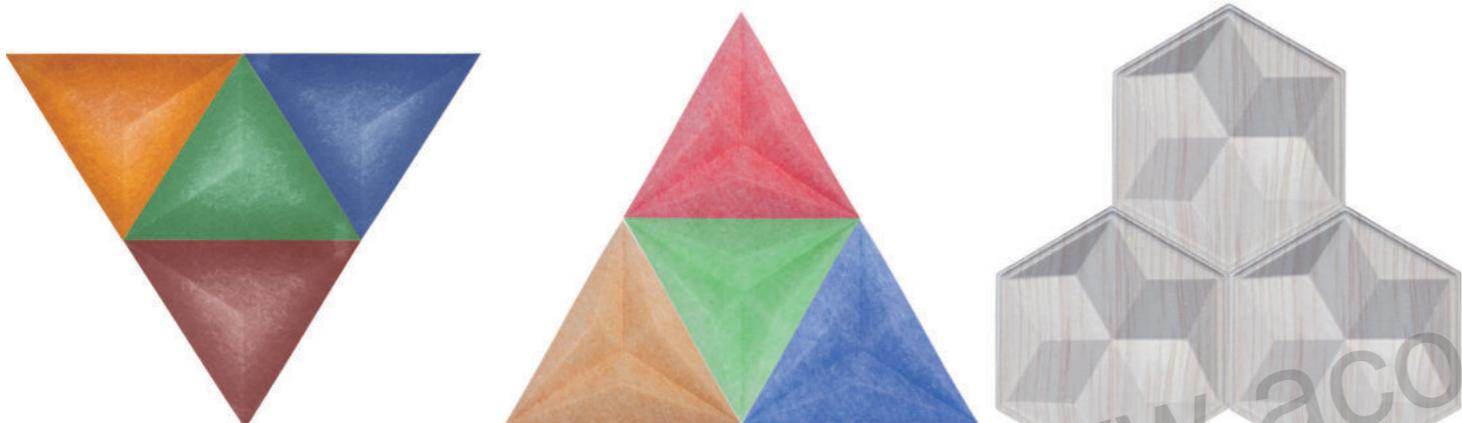
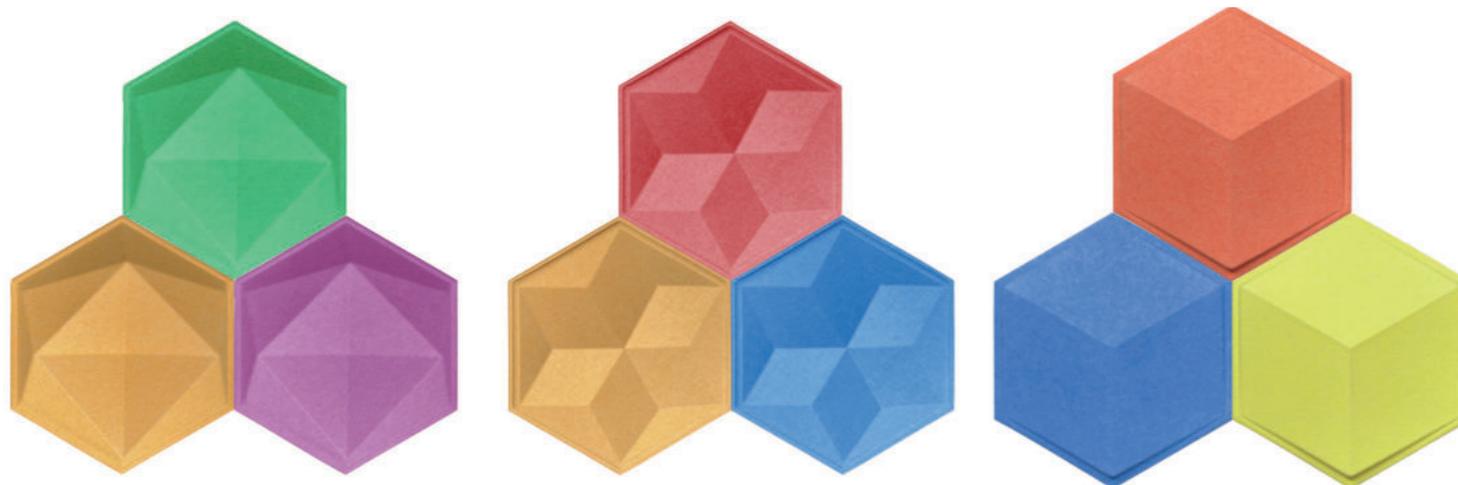
Date: 2022-7-8

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

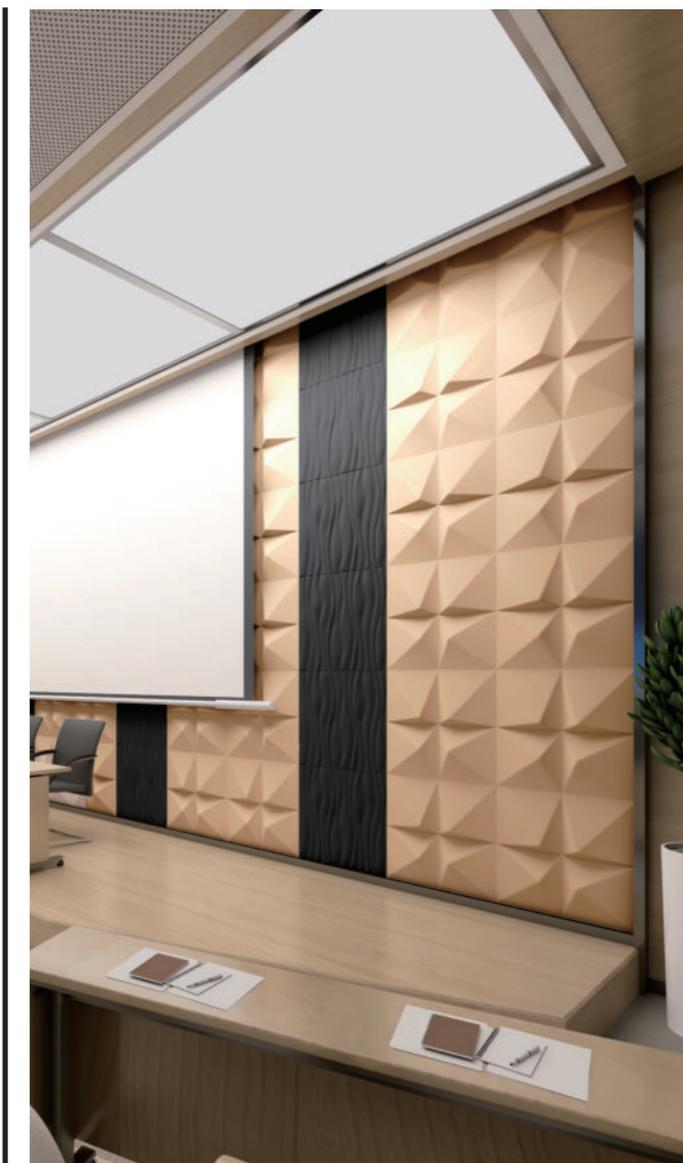


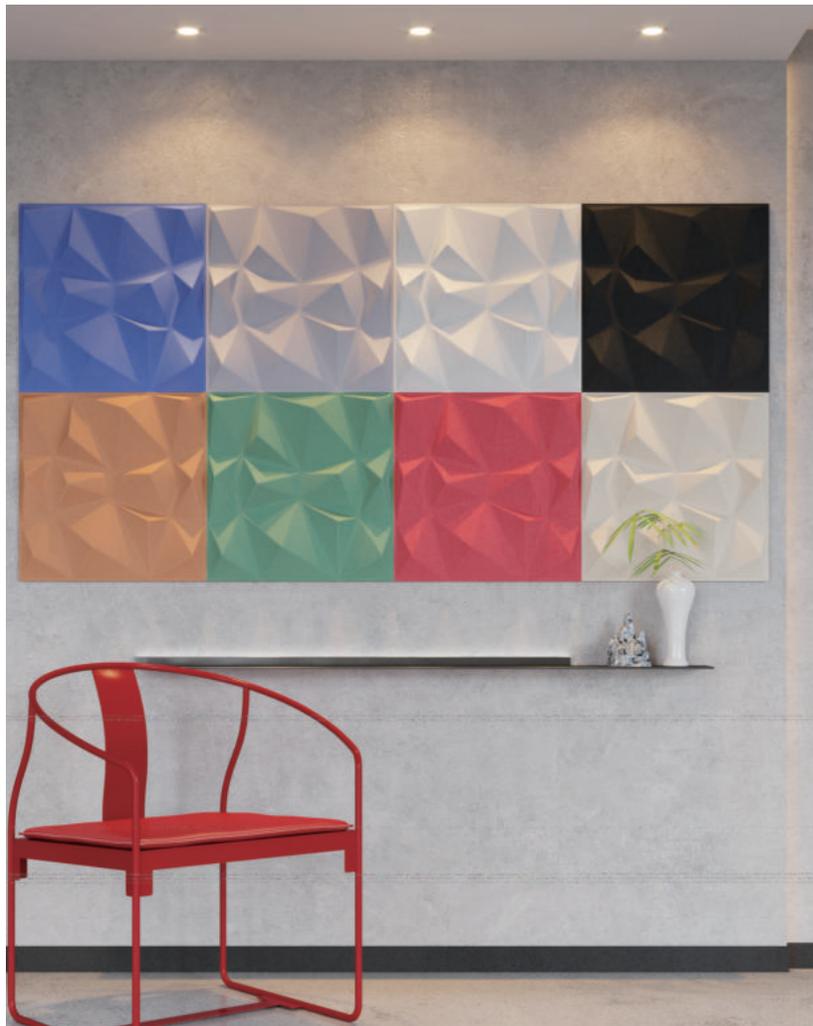
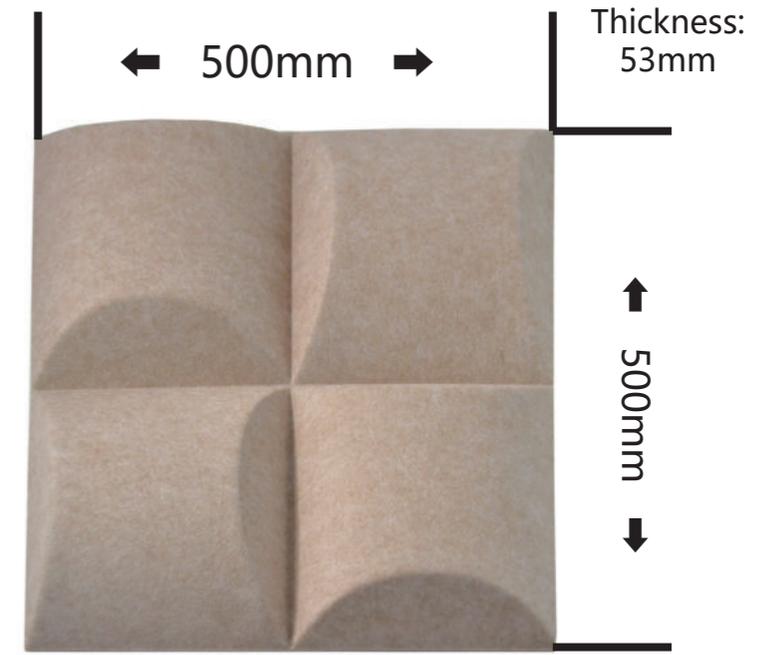
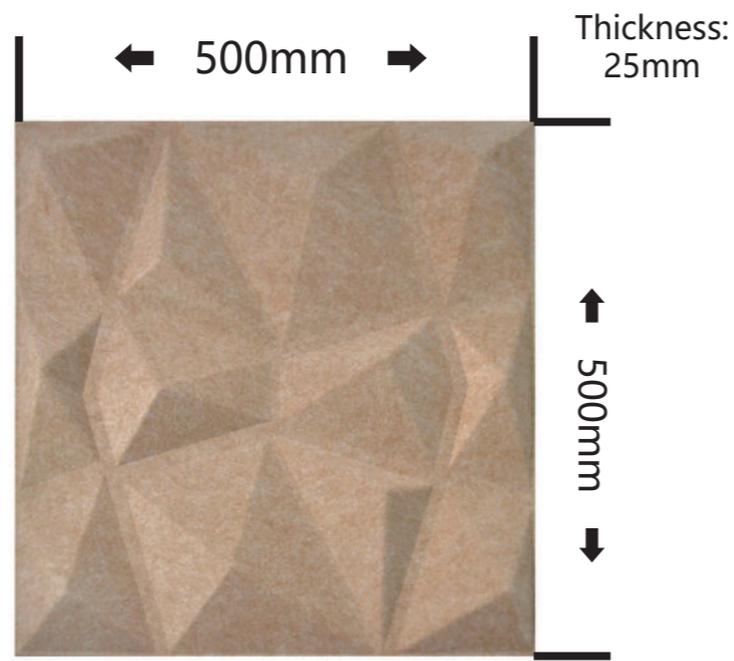
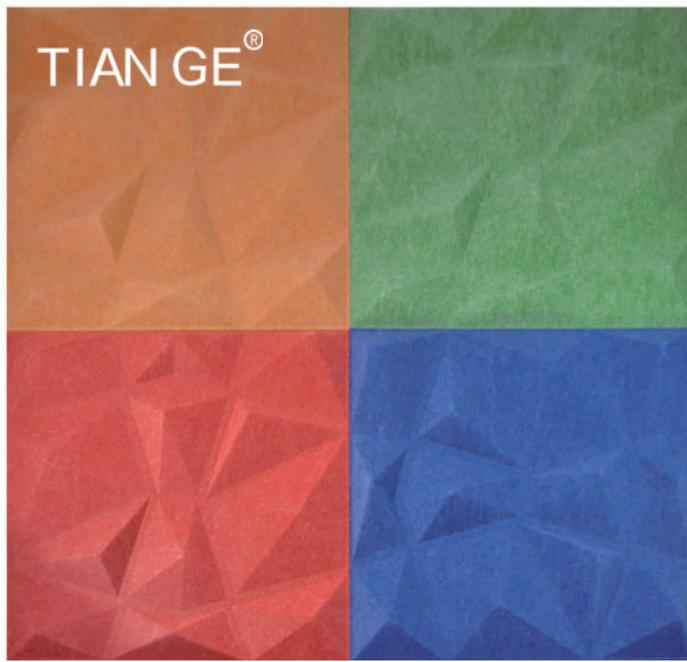


The design concept of "3D PET material" emphasizes effective sound absorption while maintaining overall aesthetics. Through its unique three-dimensional surface structure, it can effectively absorb the reflection and echo of sound, providing good acoustic performance. At the same time, its diverse color 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

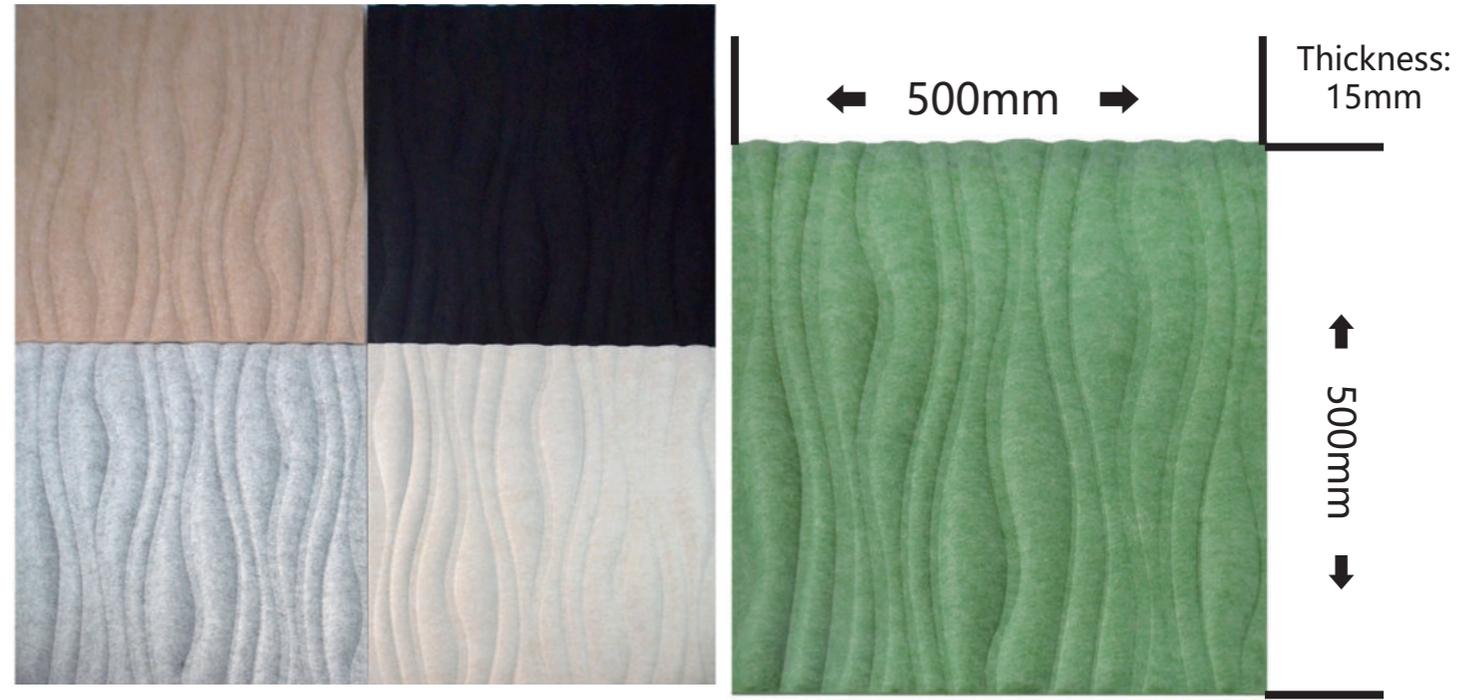
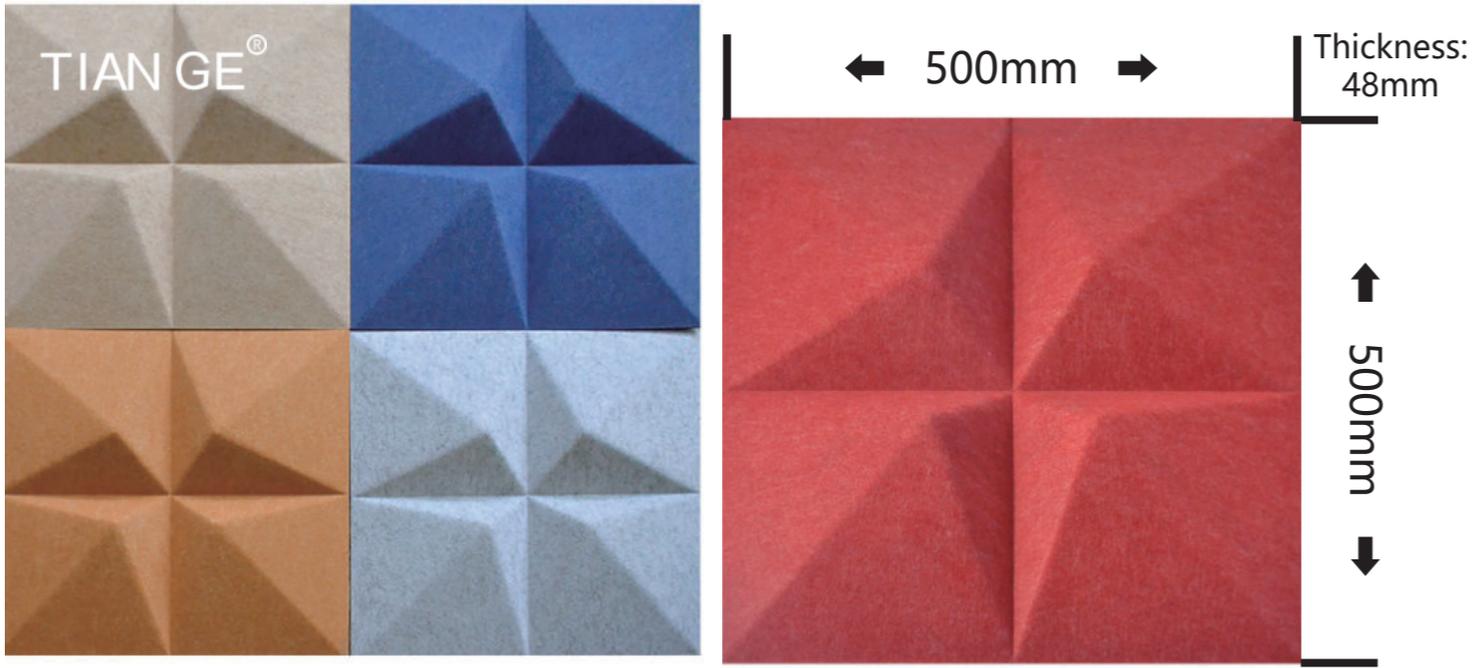




Model: TG3D-ZZ191005
 Specifications: 500*500*20mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema



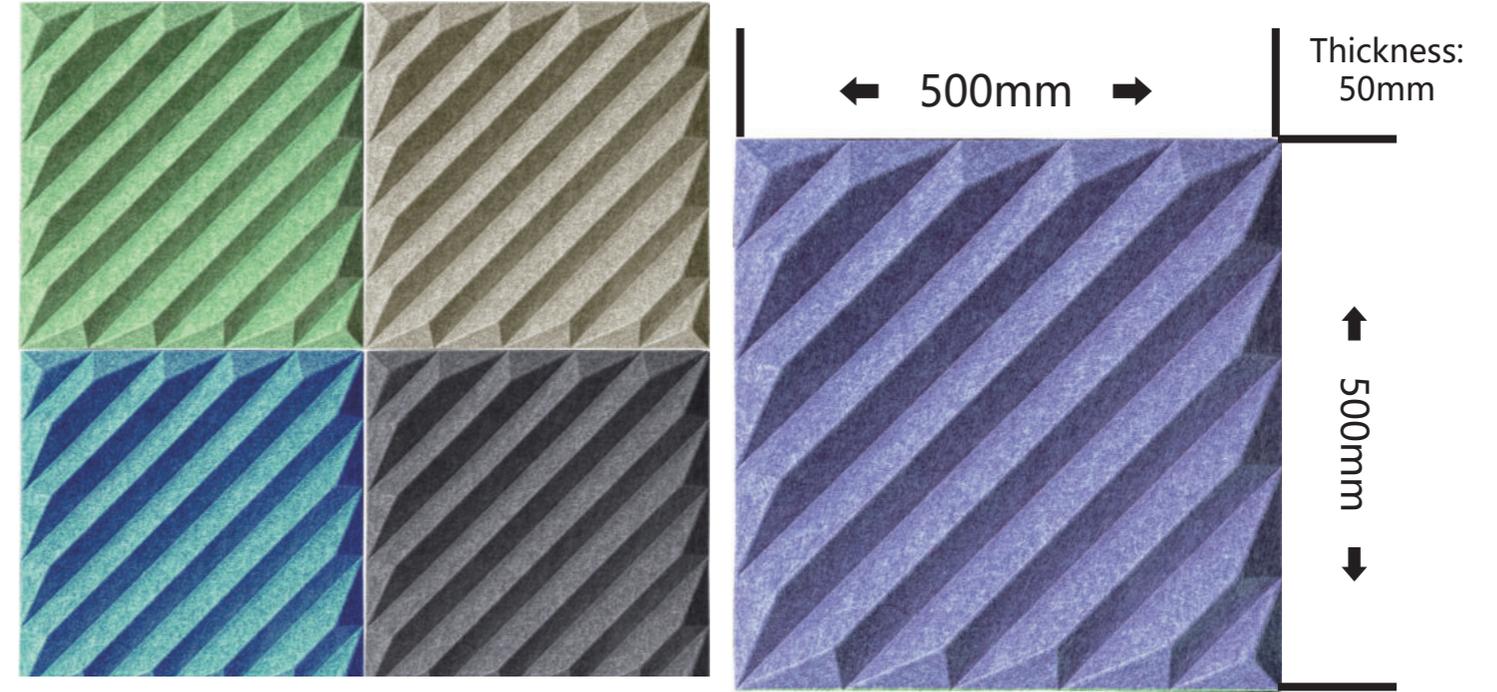
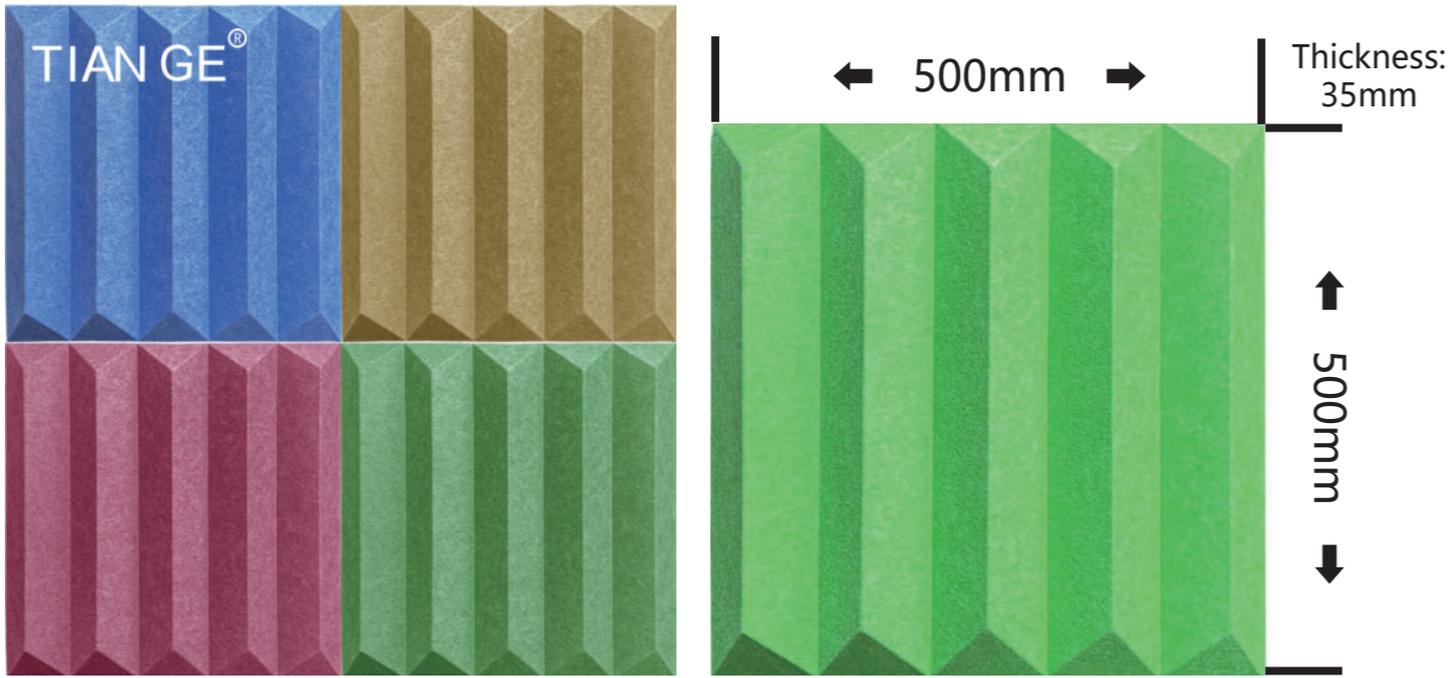
Model: TG3D-ZZ191007
 Specifications: 500*500*53mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema



Model: TG3D-ZZ191004
 Specifications: 500*500*48mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema



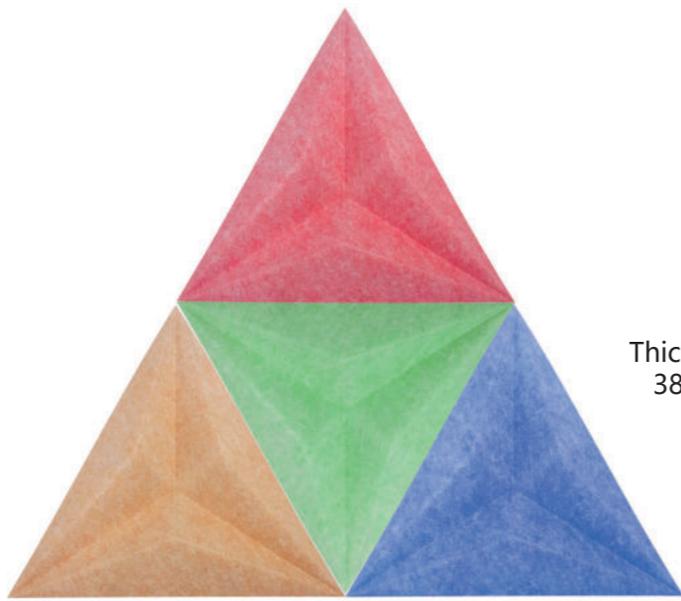
Model: TG3D-ZZ191006
 Specifications: 500*500*15mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema



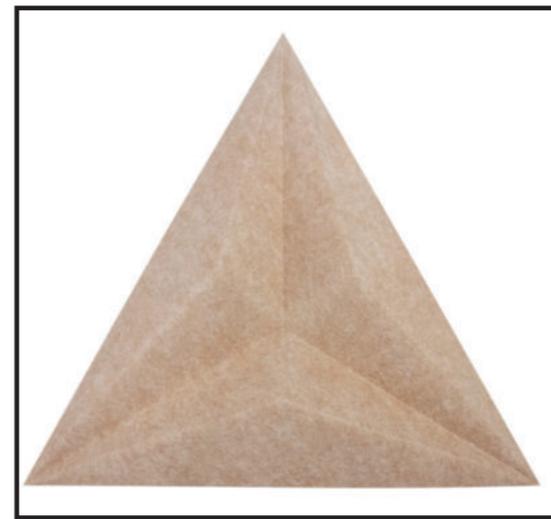
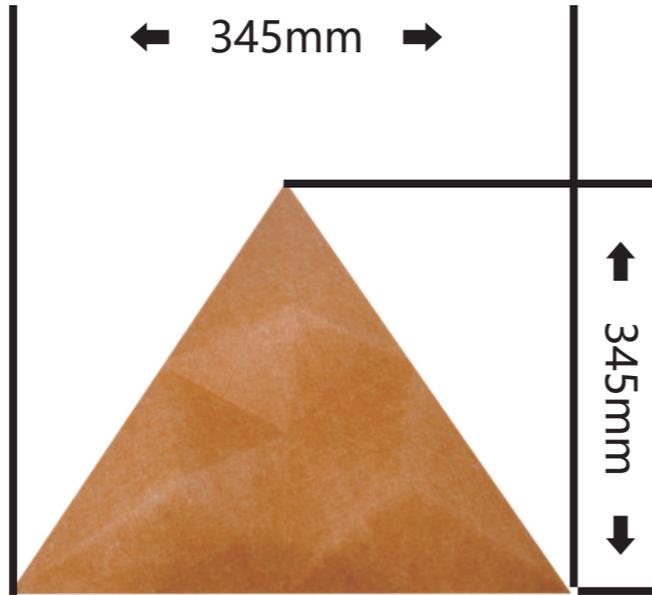
Model: TG3D-ZZ1911013
 Specifications: 500*500*35mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema



Model: TG3D-ZZ191010
 Specifications: 500*500*50mm
 Colour: Customizable colors
 Application: Office space, restaurant, hotel, living room, bedroom, cinema



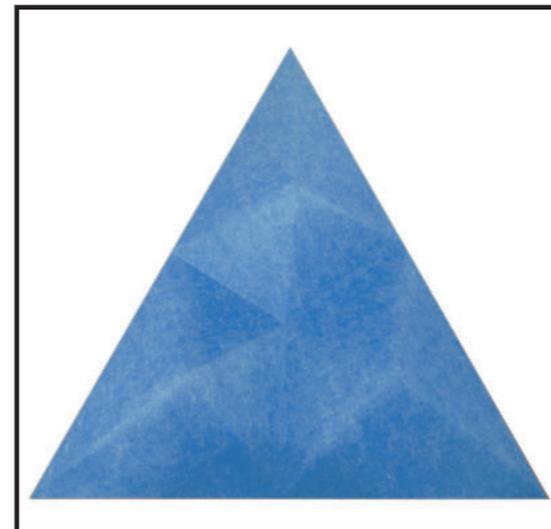
Thickness:
38mm



TG3D-ZZ191001



TG3D-ZZ191002



TG3D-ZZ191003

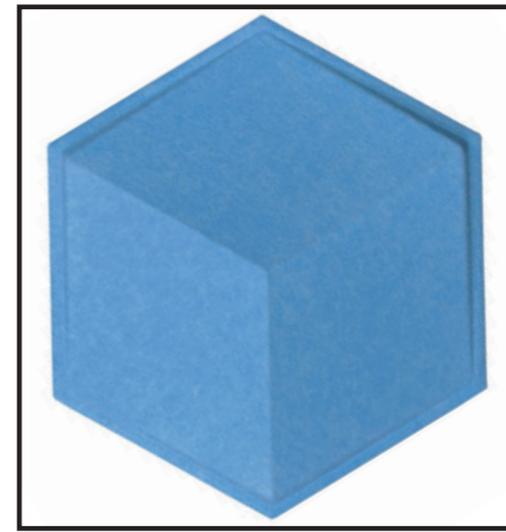
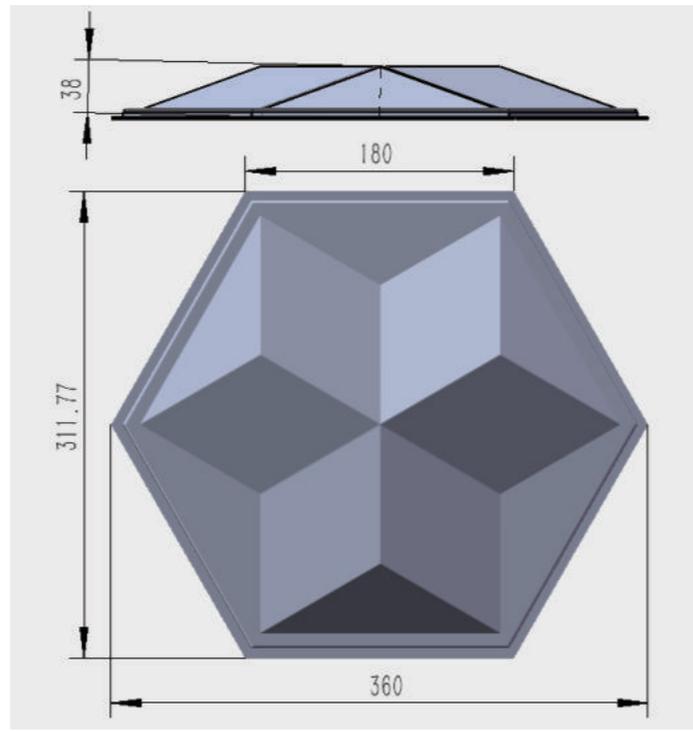
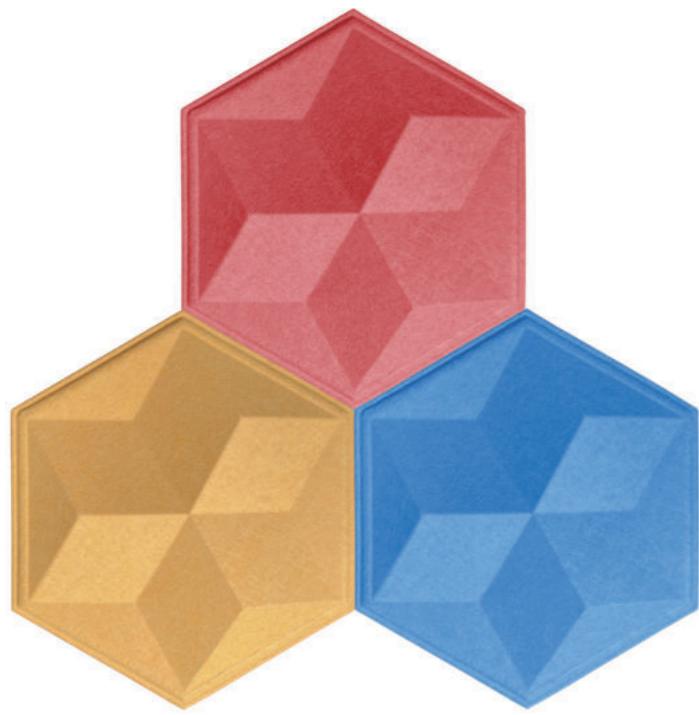


Model: TG3D-ZZ191001/TG3D-ZZ191002/
TG3D-ZZ191003

Specifications: 345*345*38mm

Colour: Customizable colors

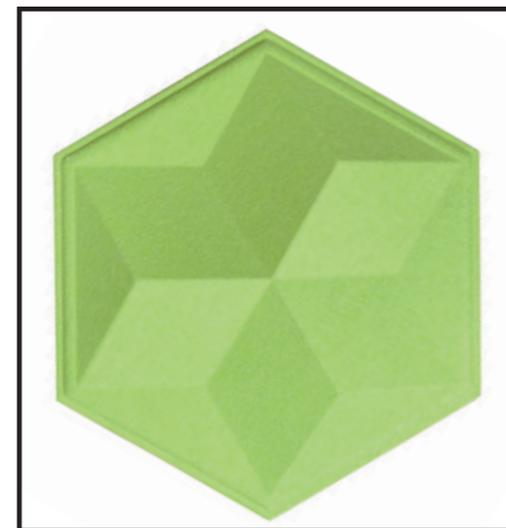
Application: Office space, restaurant,
hotel, living room, bedroom, cinema



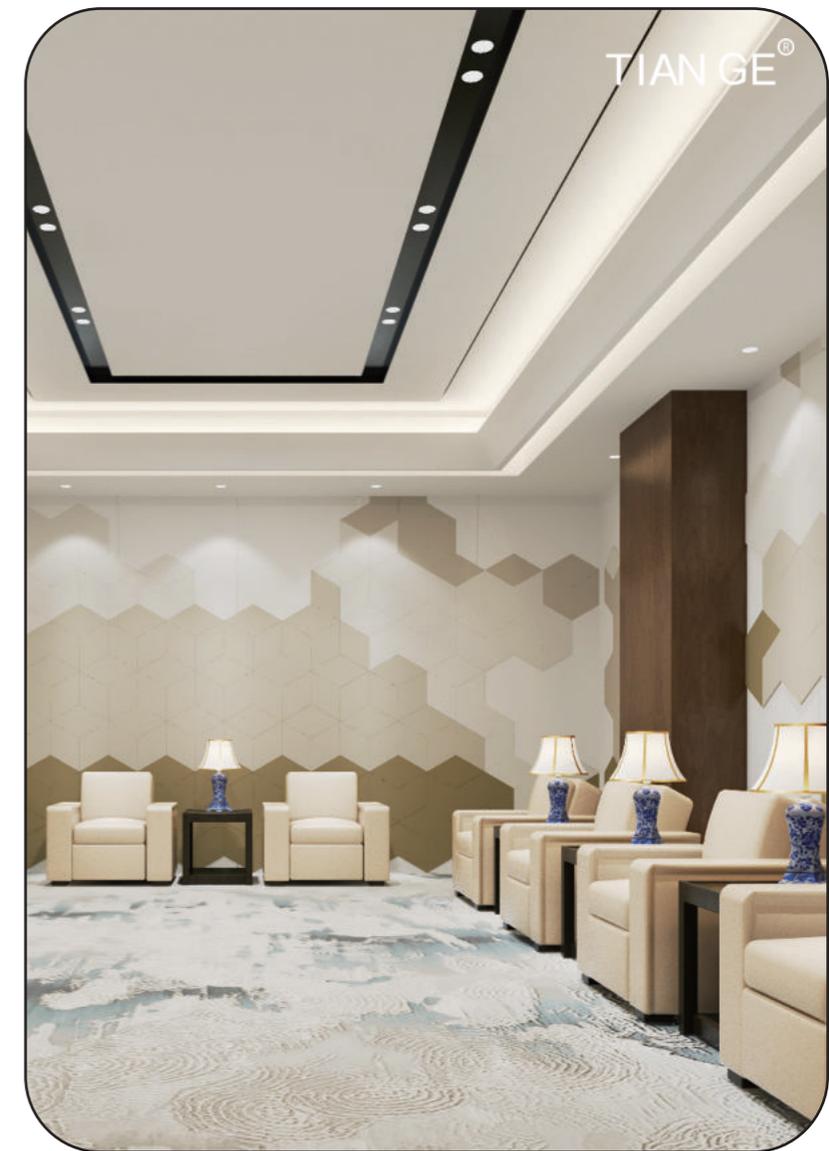
TG3D-ZZ191009



TG3D-ZZ1910015



TG3D-ZZ1910016



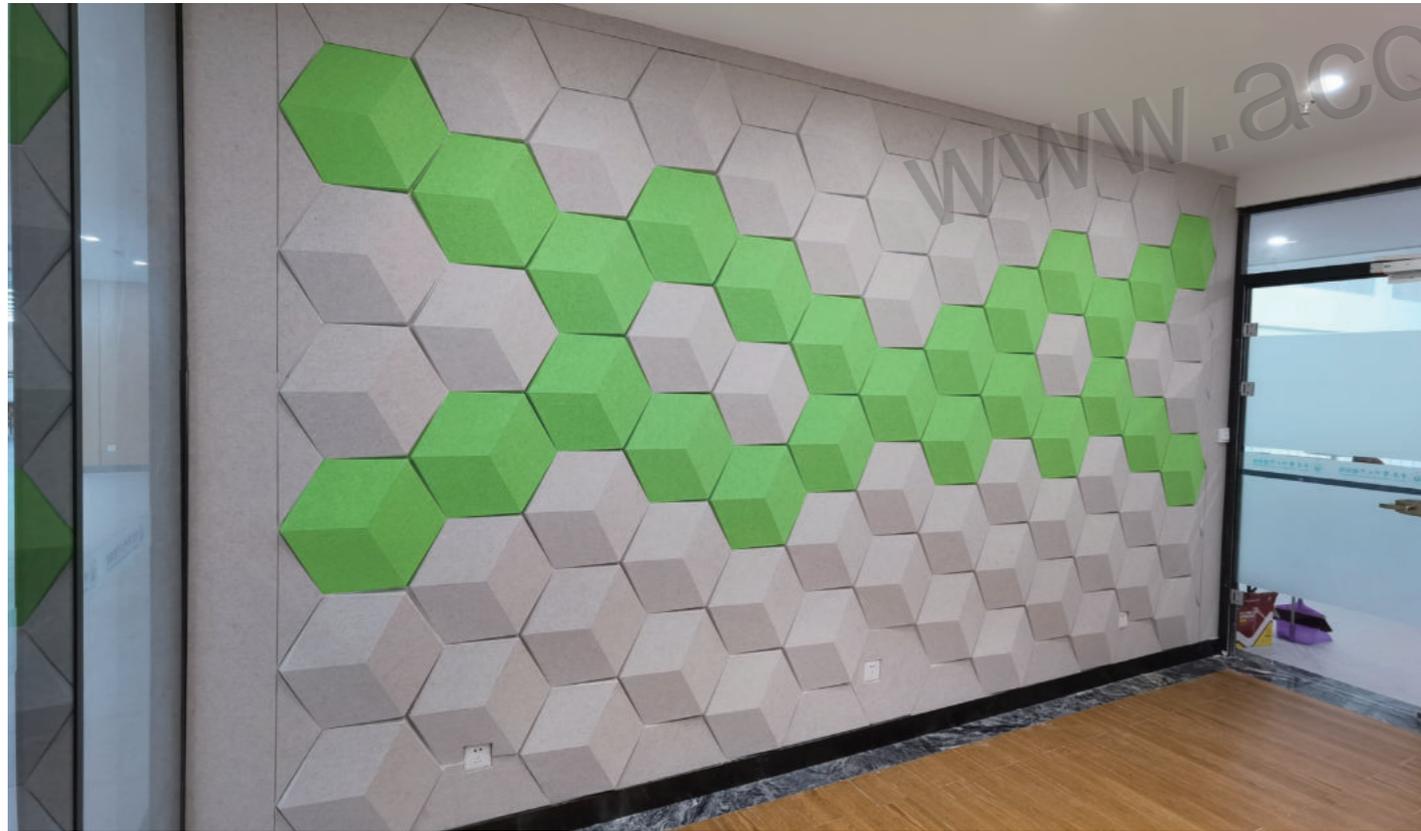
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TG3D-ZZ1910016

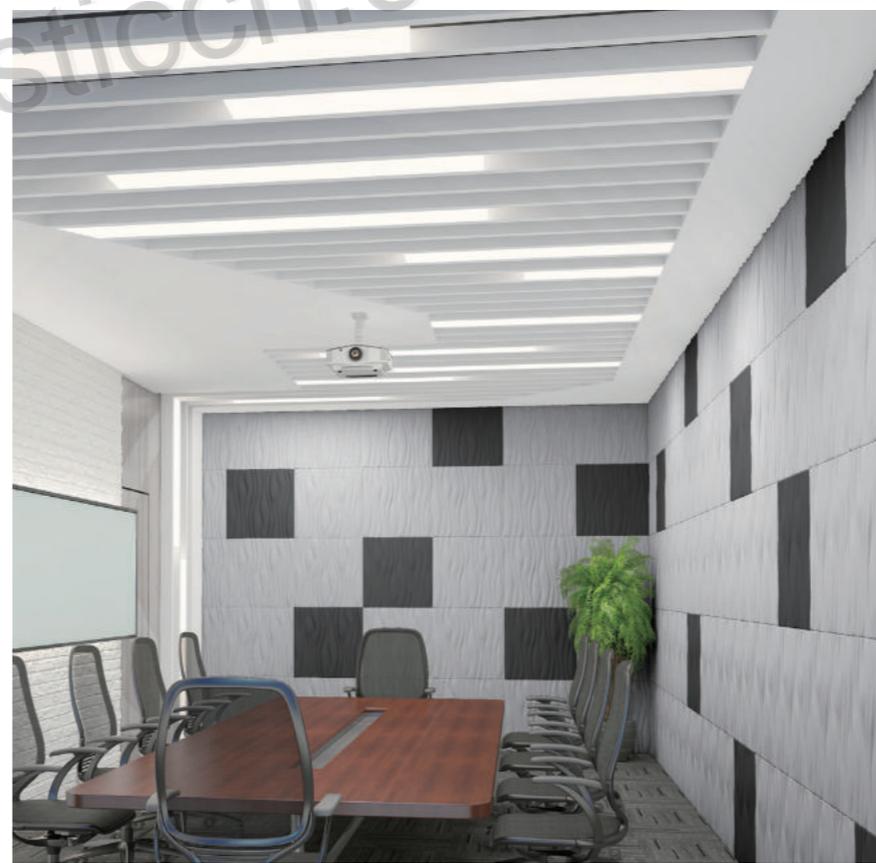
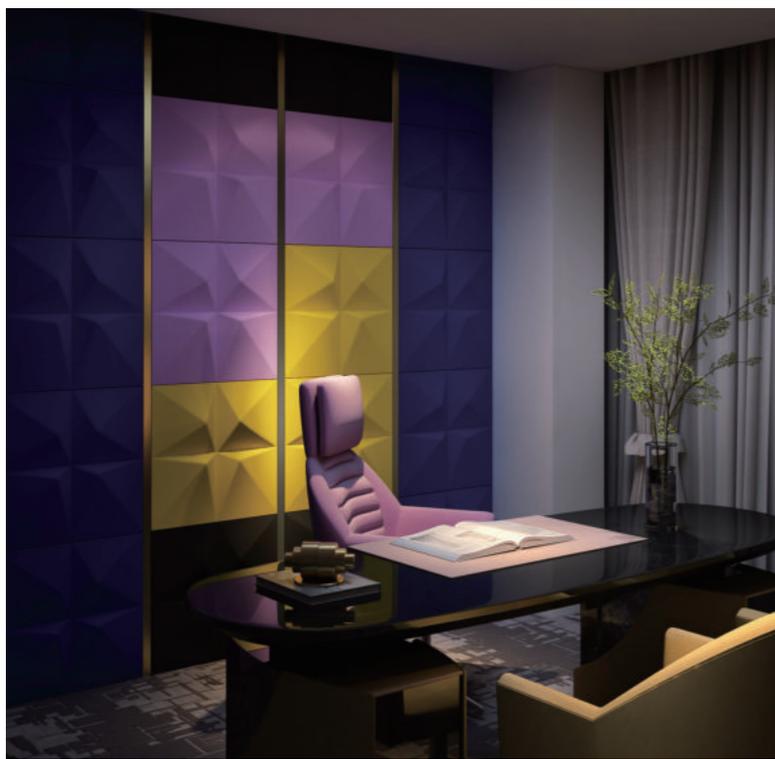
Specifications: 400*460*50mm

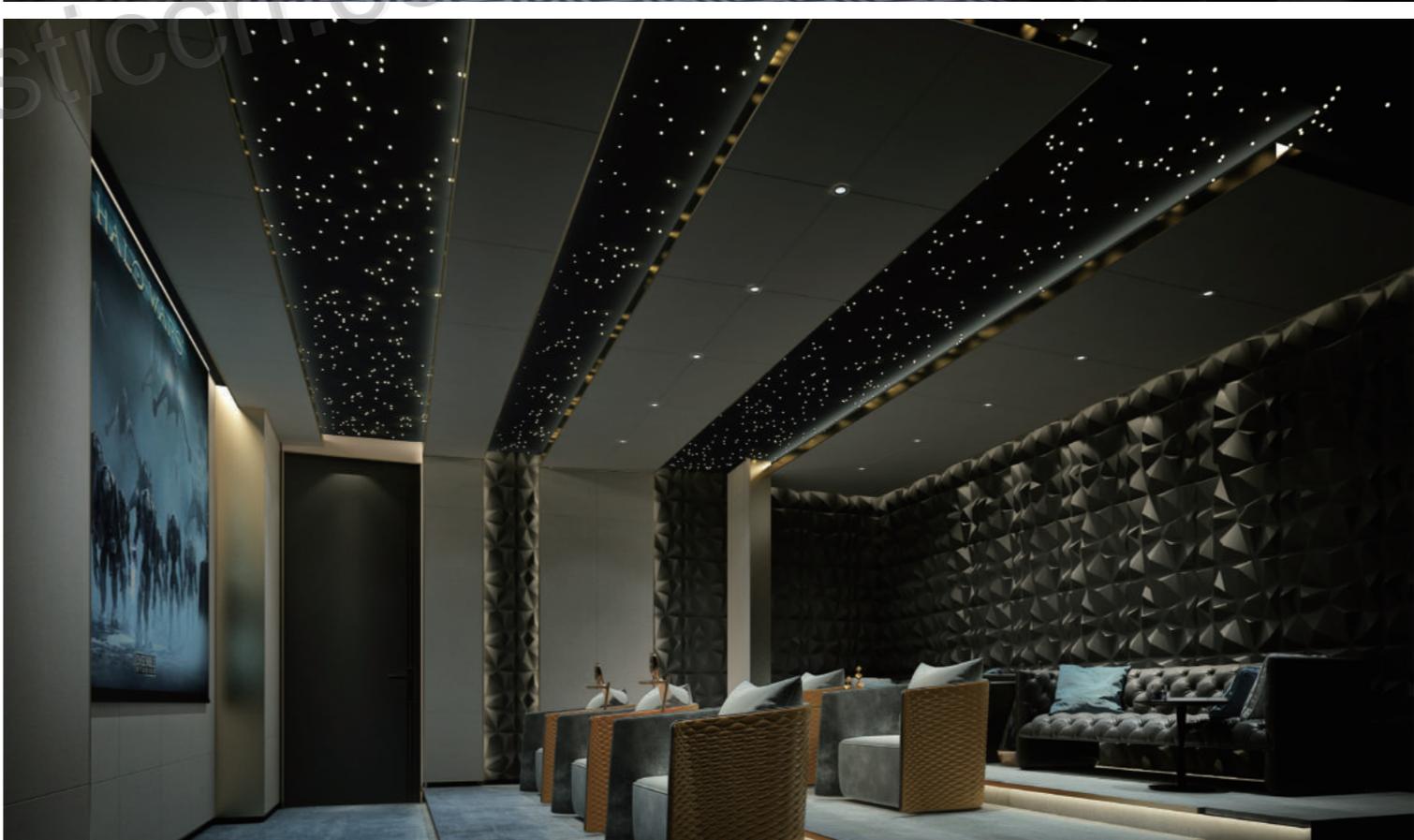
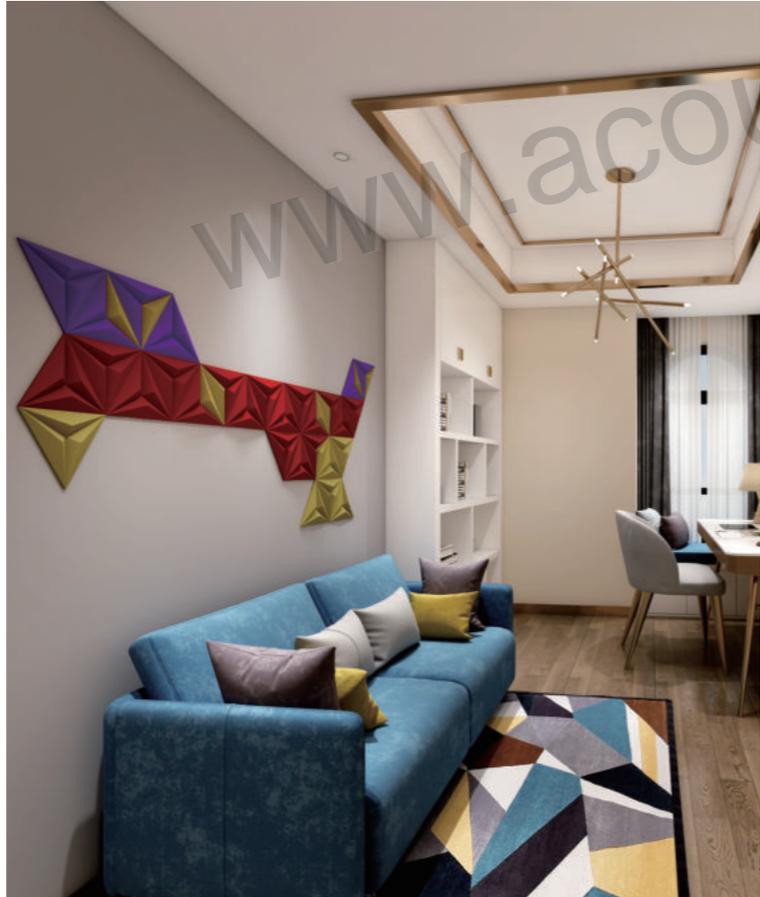
Colour: Customizable colors

Application: Office space, restaurant,
hotel, living room, bedroom, cinema

SCENE DISPLAY



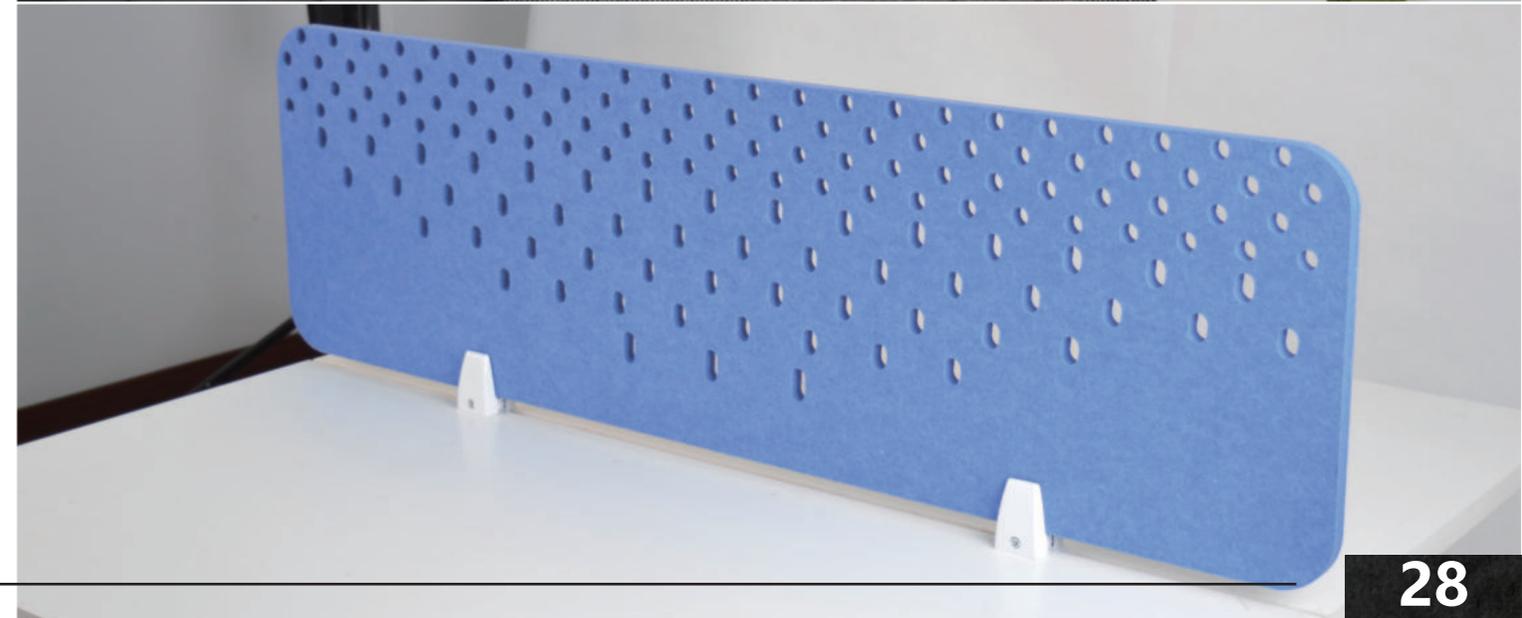
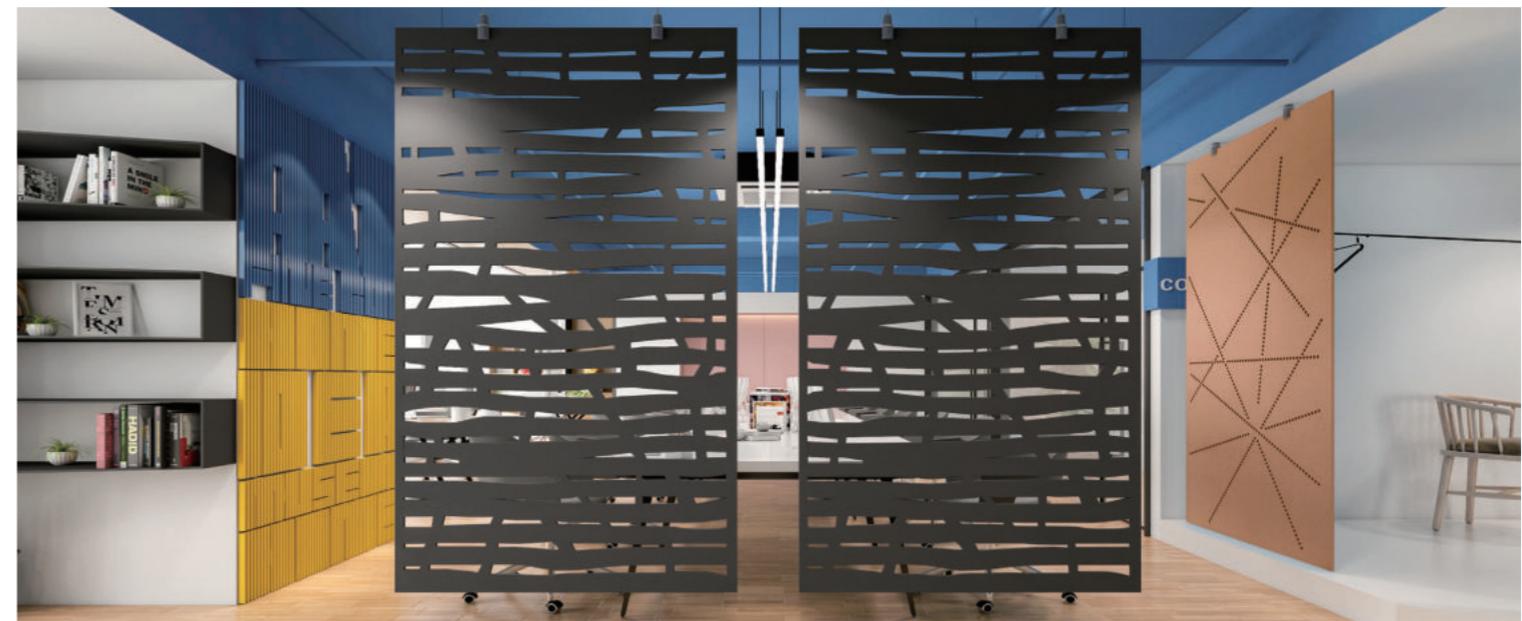




TIAN GE®

PET Acoustic Screen

PET acoustic screen is a decorative material used for acoustic optimization, which can effectively absorb and eliminate indoor noise. It is made of high-quality polyester fiber, with good sound absorption performance and decorative effect, and can be widely used in meeting rooms, recording studios, and other places, providing a quiet and comfortable environment.

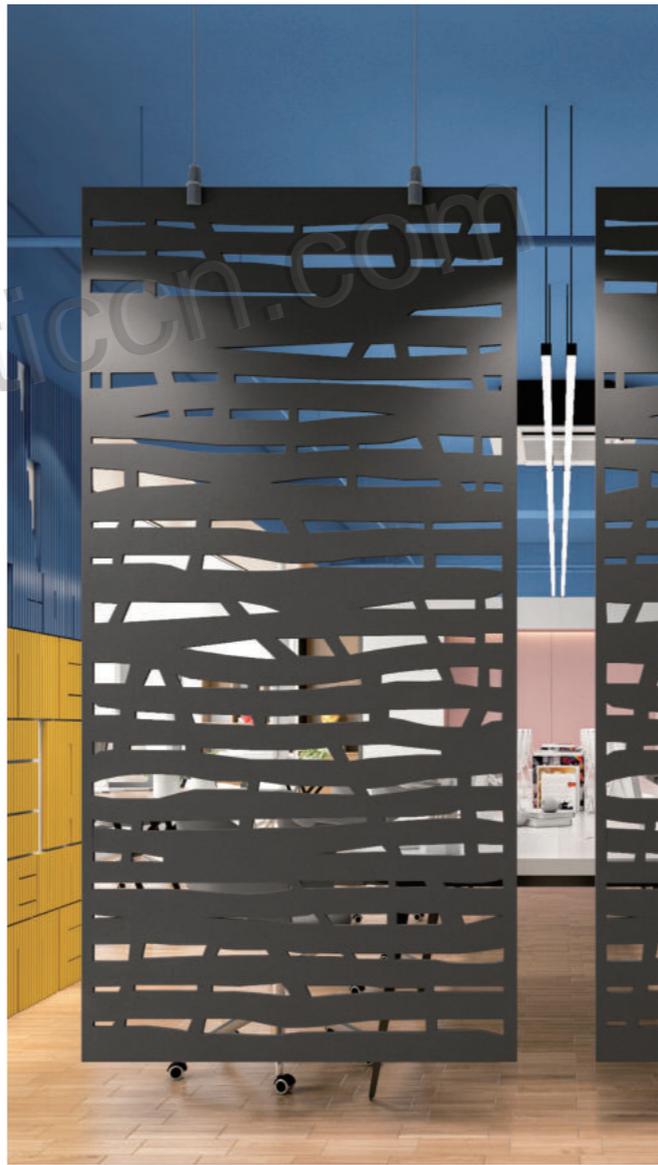
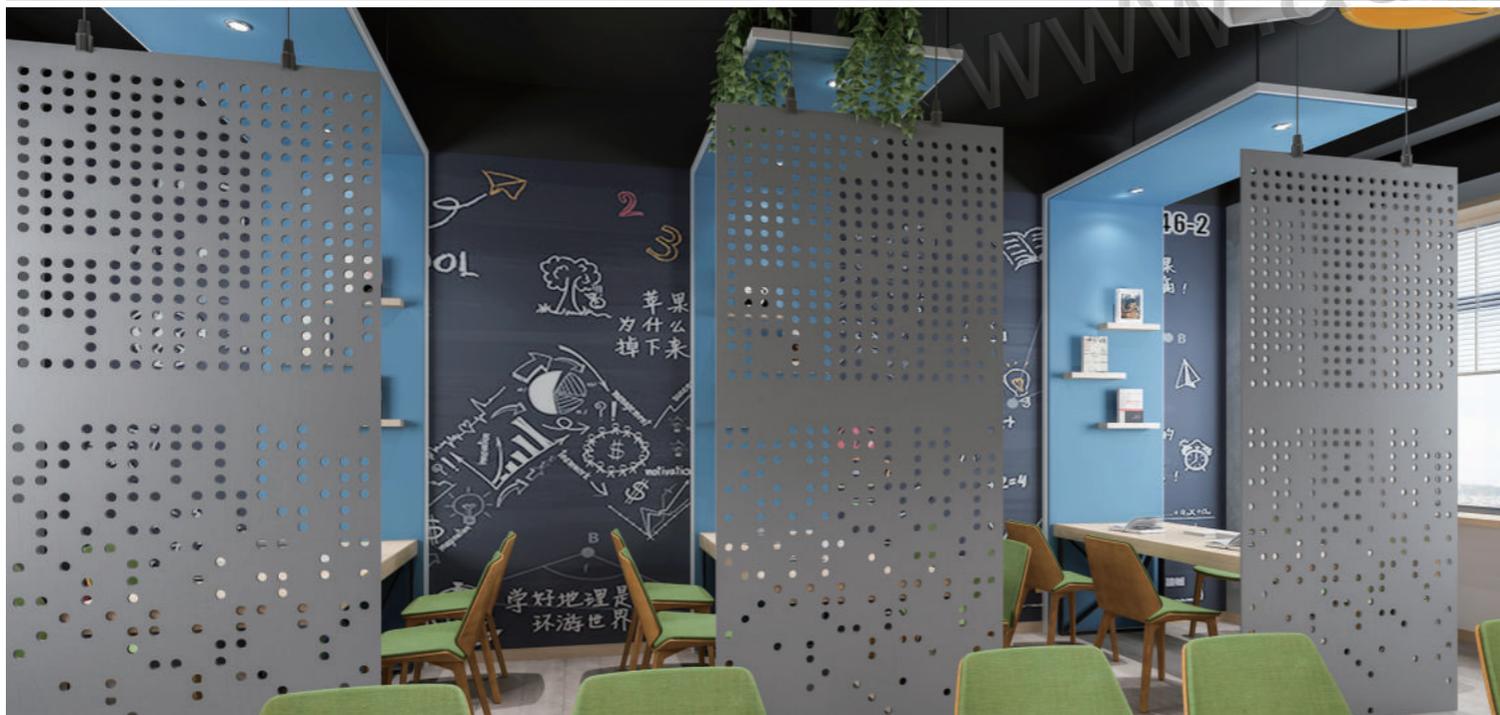


Hanging PET Acoustic screen

TIAN GE®

Hanging PET Acoustic screen - Design Concept

The concept of "hanging PET acoustic screen" is to create a lightweight and practical sound-absorbing solution that can be hung on walls or ceilings. Provide effective sound absorption and soundproofing functions to improve the acoustic quality of the space. At the same time, the design also emphasizes the aesthetics and diversity of the appearance, which can be integrated with different indoor decoration styles, creating a comfortable and peaceful environment for users.



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: 1220*2440*9/12mm or customized
Cut tools: Art knife or CNC cutting equipment
Installation method: Use s/s wire with clip to hanging it to the ceiling
Application Site: Only for indoor use. More colors and sizes can be customized

SCENE DISPLAY



Floor PET Acoustic Screen

Floor PET Acoustic Screen - Design Concept

The design concept of the "floor PET acoustic screen" combines a fashionable appearance with high-quality sound absorption function, creating a comfortable and quiet environment indoors. It is made of polyester fiber material with excellent sound absorption performance and beautiful appearance design, which can be used in various occasions to provide people with high-quality acoustic solutions.



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:** 600*1700*27mm / 600*1700*30mm / 800*1700*27mm or customized
- Cut tools:** No tools required
- Installation method:** No installation required, placed in a space that requires sound absorption and soundproofing
- Application Site:** only for indoor use. More colors and sizes can be customized

SCENE DISPLAY



Desktop PET acoustic Screen

TIAN GE®

Desktop PET acoustic Screen - Design Concept

The design concept of the "desktop PET acoustic screen" is simple and practical, using polyester material to effectively absorb sound wave reflections, providing a comfortable working environment and privacy protection. It can also be personalized as an accessory for customization.



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

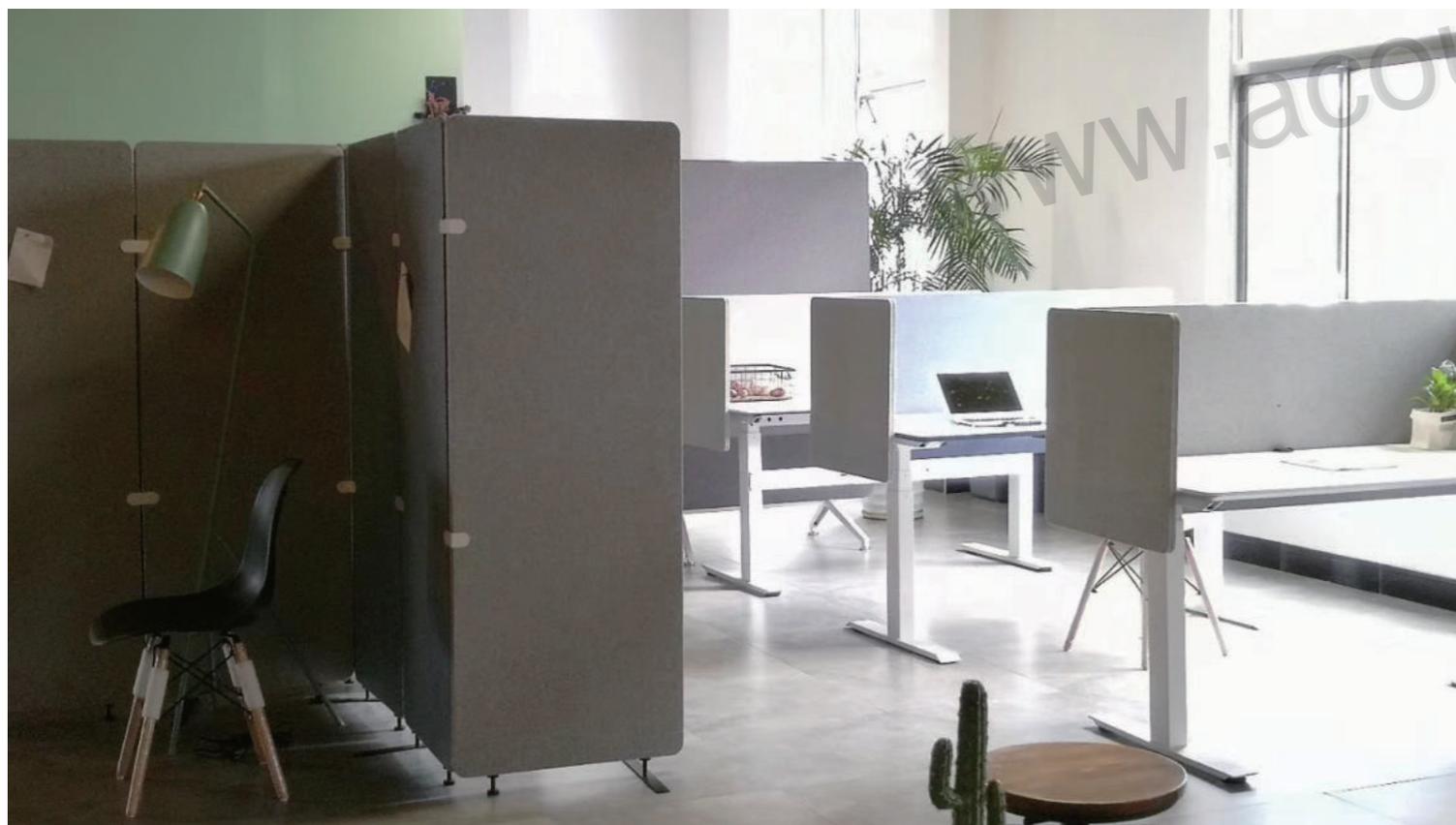
Size: 300*1200*12mm / 400*100*24mm / 300*1000*18mm / 2250*600*18mm or customized

Cut tools: No tools required

Installation method: just use available screw to lock it the desk panel directly or with screw.

Application Site: only for indoor use. More colors and sizes can be customized

SCENE DISPLAY



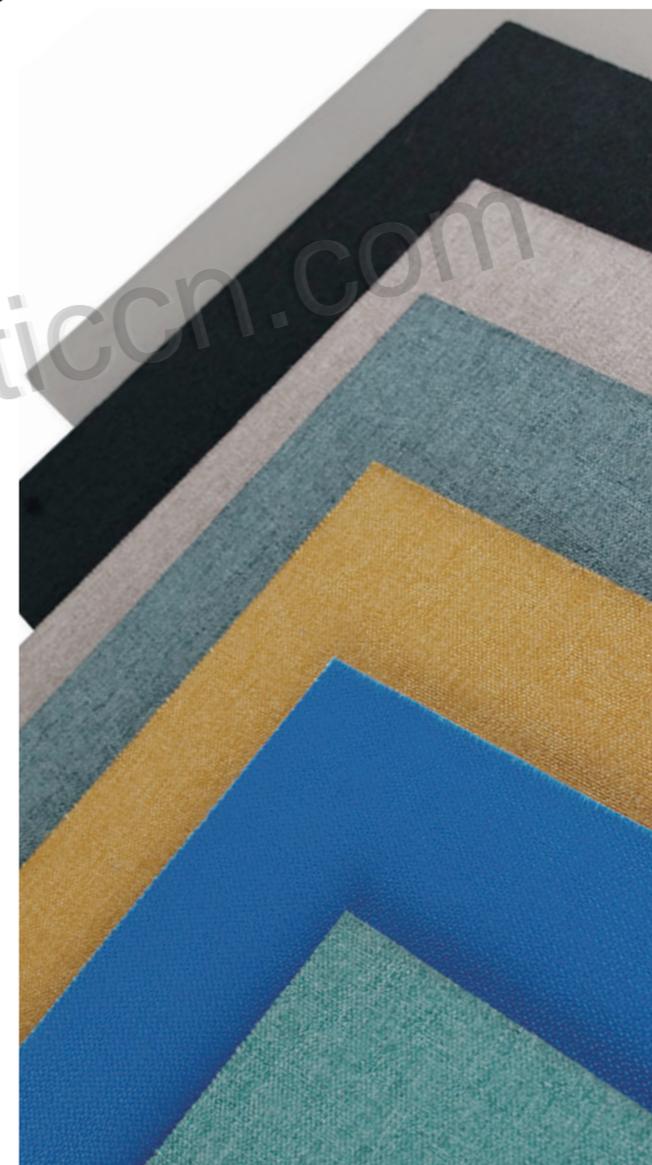
TIAN GE®

Color PET decor board

Color PET board is an acoustic board made of polyester fiber covered with fireproof fabric, which can be used for sound absorption and insulation. It has good sound absorption effect and can effectively reduce noise propagation and sound wave reflection. Colorful fiberboard has a rich and diverse appearance, which can meet different decorative needs and is an ideal acoustic material.

Color PET decor board - Design Concept

The color PET decor board is an environmentally friendly and efficient acoustic treatment material. It is made of polyester fiber and fireproof fabric, and has a flat and 3D structure through hot pressing process. This design principle can effectively absorb sound waves, reduce noise and echo, and provide good sound quality and clarity. At the same time, colored fiberboard also has good fireproof and decorative effects, and colors and shapes can be customized according to needs to integrate into different environments.



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: 1200*2400*9mm / 1200*2600*9mm / 1200*2800*9mm 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

SCENE DISPLAY



TIAN GE®

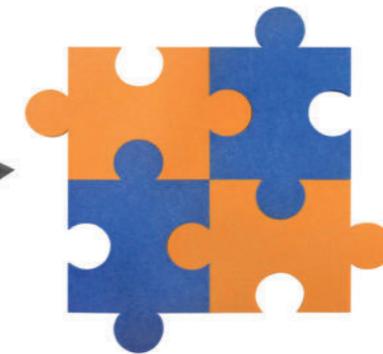
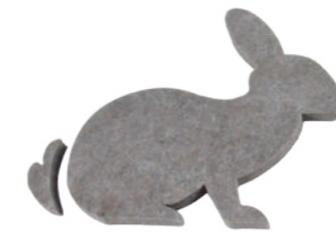
Carving PET Screen

The "carving PET screen" is a material with excellent decorative and sound absorption properties, made of polyester fiber. Its unique carved patterns provide sound absorption performance, and different patterns and colors can be customized according to customer needs. This material is suitable for various venues, such as conference rooms, recording studios, and theaters.



A

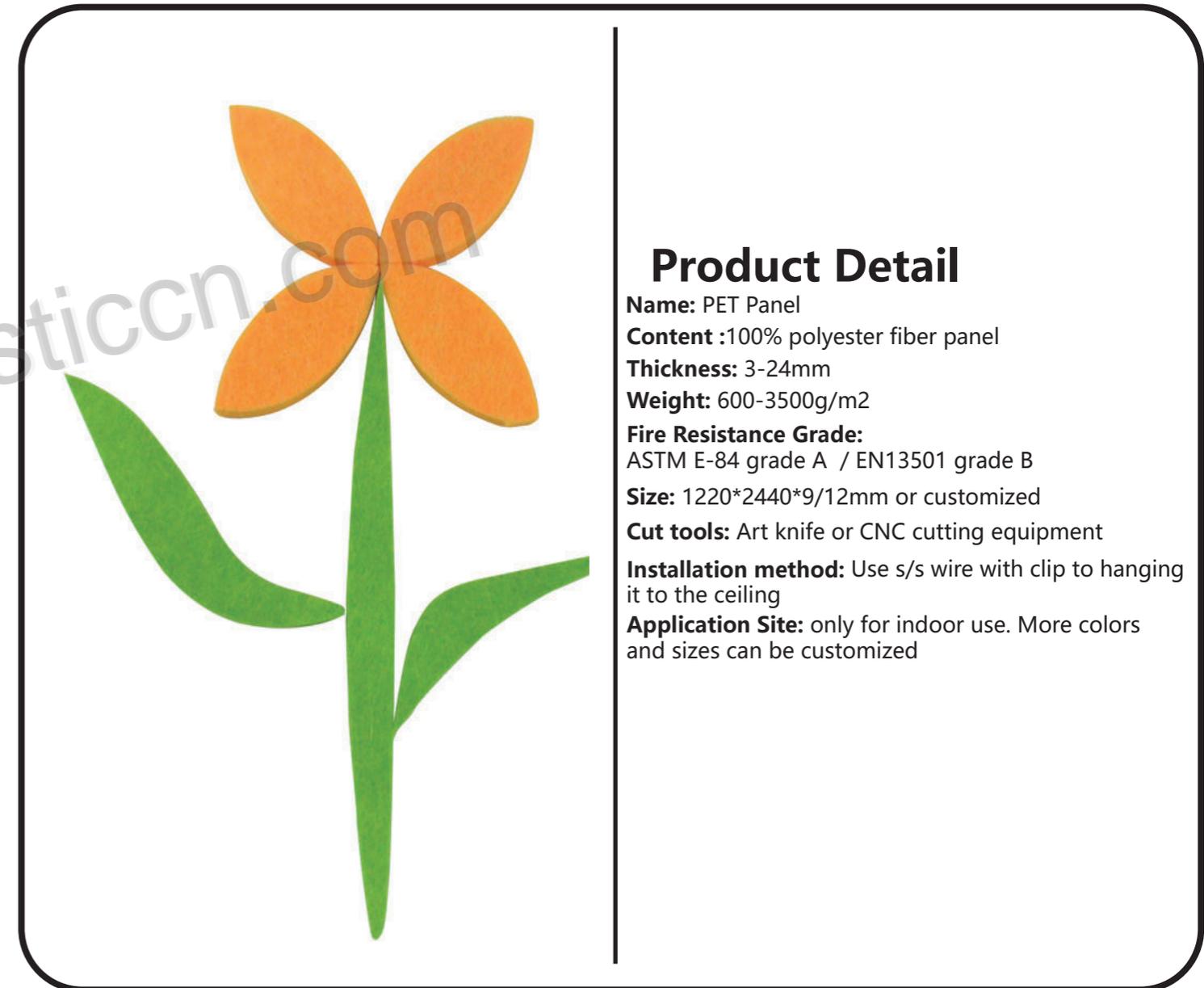
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天戈声学
TianGe Acoustics

Carving PET Screen - Design Concept

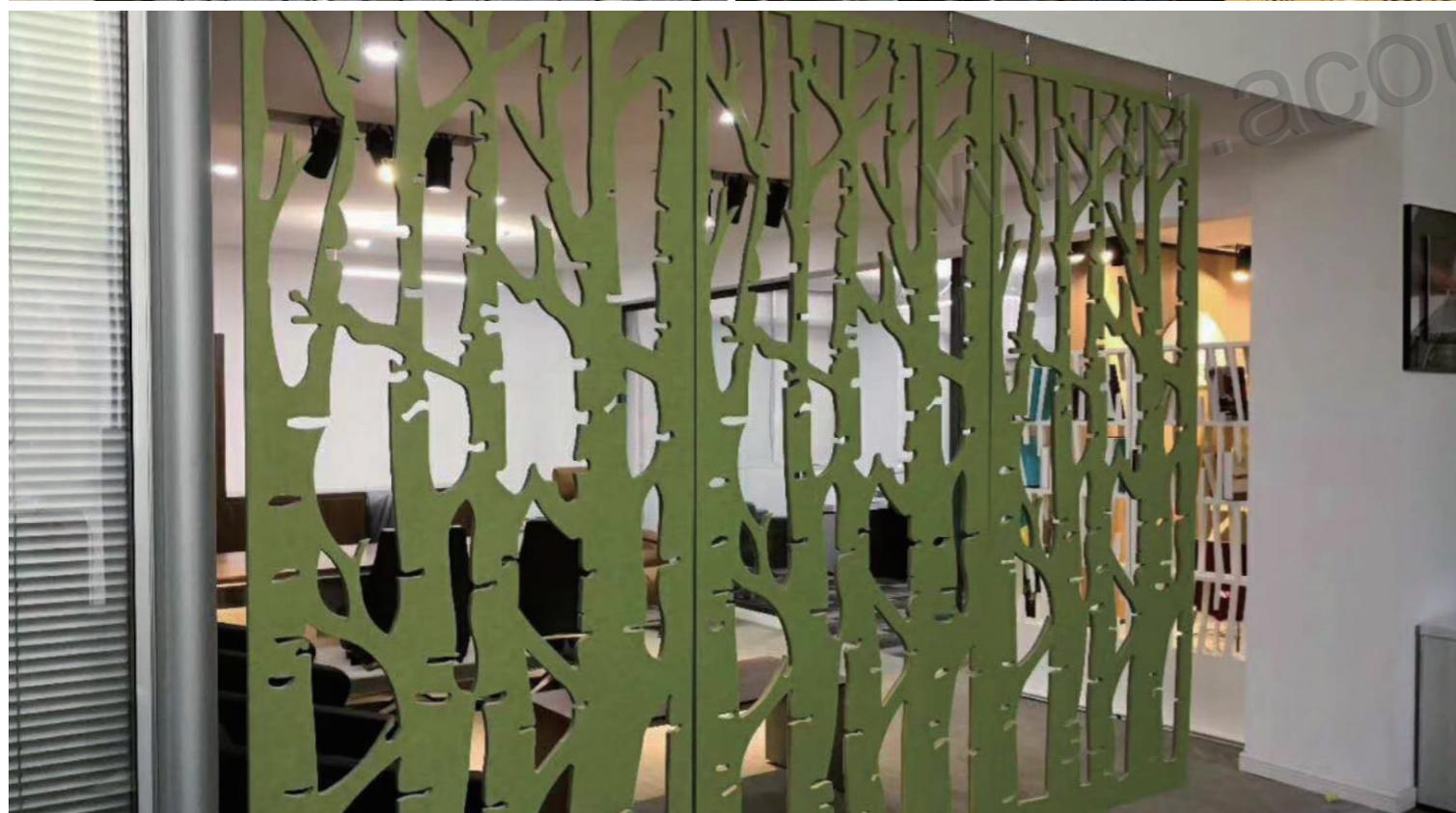
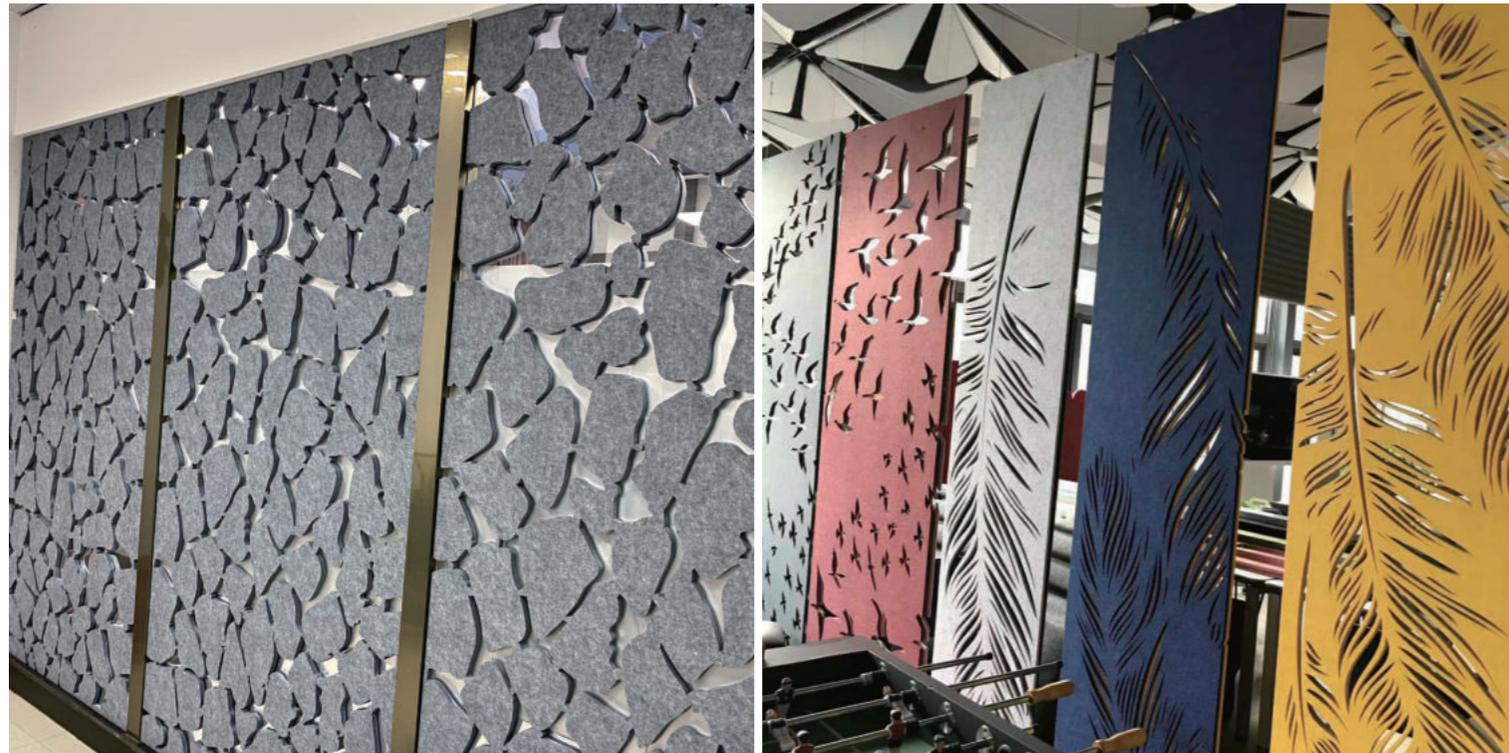
The design concept of "carving PET screen" is to use professional carving technology to create fine patterns on polyester fiberboard, thereby creating a combination of aesthetic and practical effects on acoustic materials.



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: 1220*2440*9/12mm or customized
Cut tools: Art knife or CNC cutting equipment
Installation method: Use s/s wire with clip to hanging it to the ceiling
Application Site: only for indoor use. More colors and sizes can be customized

SCENE DISPLAY



TIAN GE®

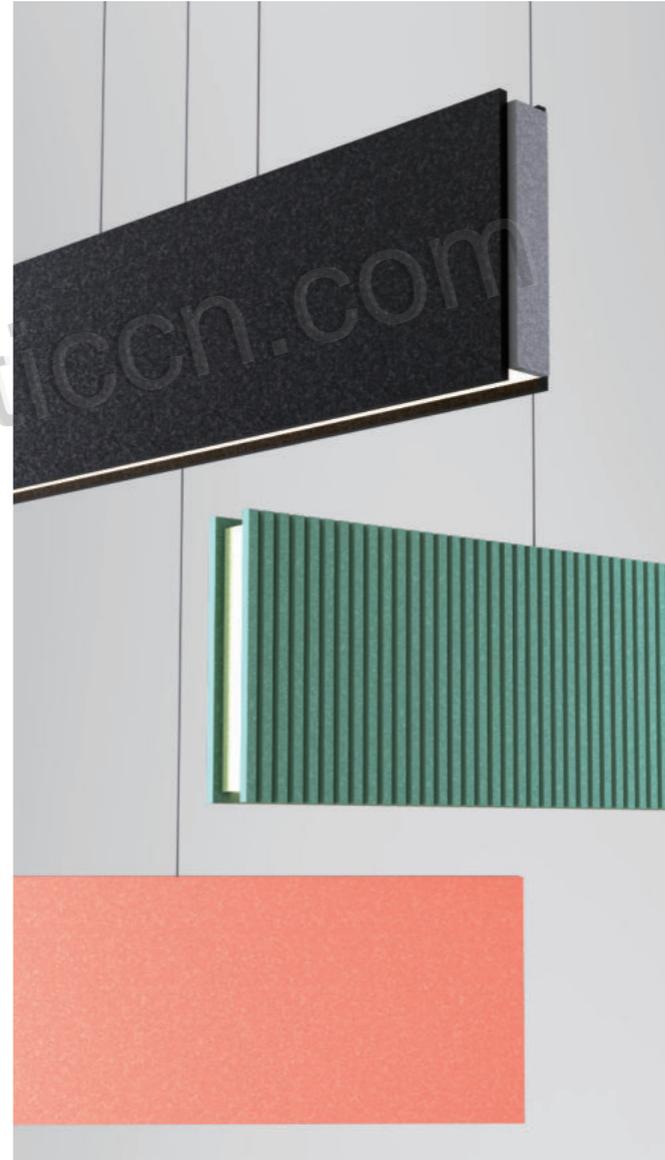
PET Acoustic Lamp

The PET acoustic lamp is an acoustic board made of polyester fiber, which has excellent sound insulation and absorption effects. It can be widely used in various indoor spaces, such as conference rooms, recording studios, audiovisual rooms, etc., effectively improving the quality of sound and the comfort of the environment. At the same time, polyester lamps also have the characteristics of fire resistance, moisture resistance, and durability, making them an ideal indoor acoustic decoration material.



PET Acoustic Lamp - Design Concept

The design concept of PET acoustic lamp is to combine the sound absorption performance and lighting effect of polyester fibers to create a product that can not only improve the sound environment but also provide lighting functions.



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: 1220*2440*9/12mm or customized
Cut tools: No tools required
Installation method: Use s/s wire with clip to hanging it to the ceiling
Application Site: only for indoor use. More colors and sizes can be customized

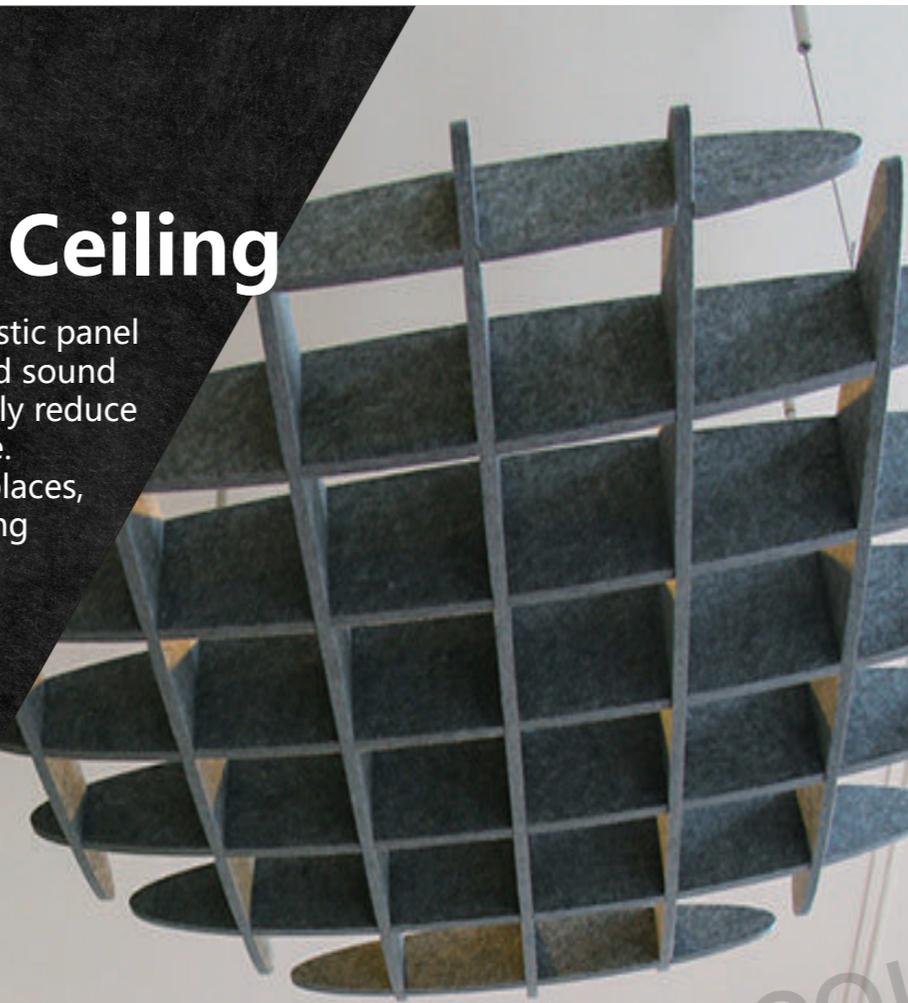
SCENE DISPLAY



PET Acoustic Ceiling

The PET acoustic ceiling is an acoustic panel made of polyester fiber. It has good sound absorption effect and can effectively reduce indoor noise and echo interference.

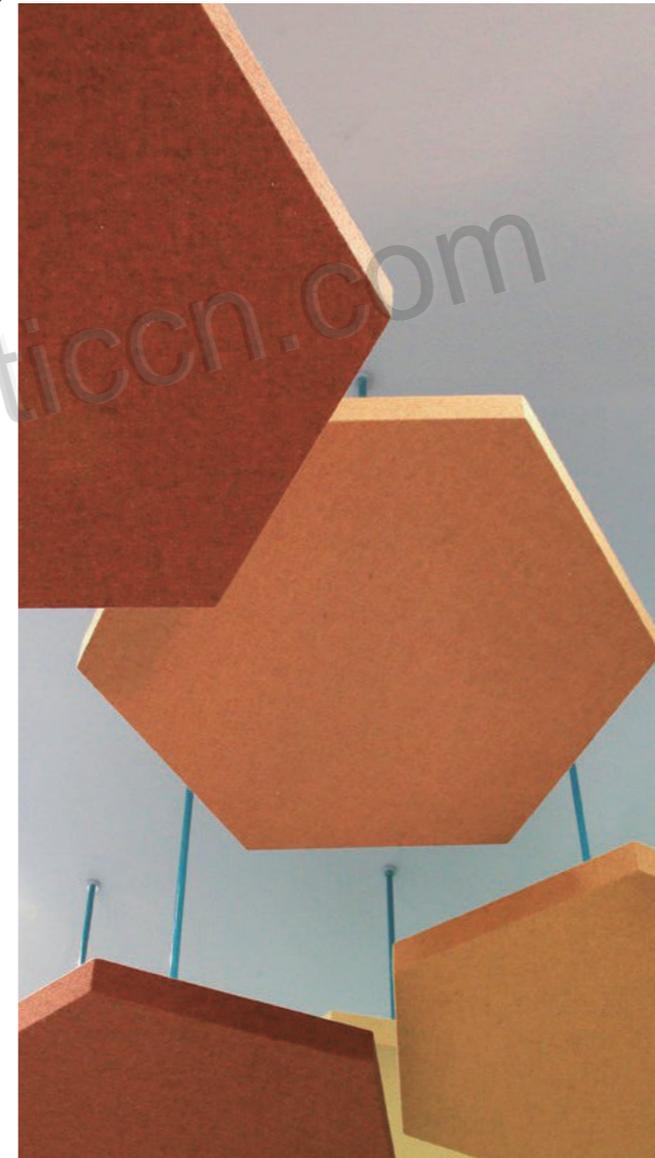
This ceiling is suitable for various places, such as conference rooms, recording rooms, and offices, providing a comfortable working and learning environment.



EXIT

PET Acoustic Ceiling - Design Concept

The design concept of "PET acoustic ceiling" is to use the sound-absorbing, soundproof, and flame-retardant properties of polyester fiber, combined with modern technology, to create high-quality ceiling products that pursue beauty and practicality.



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

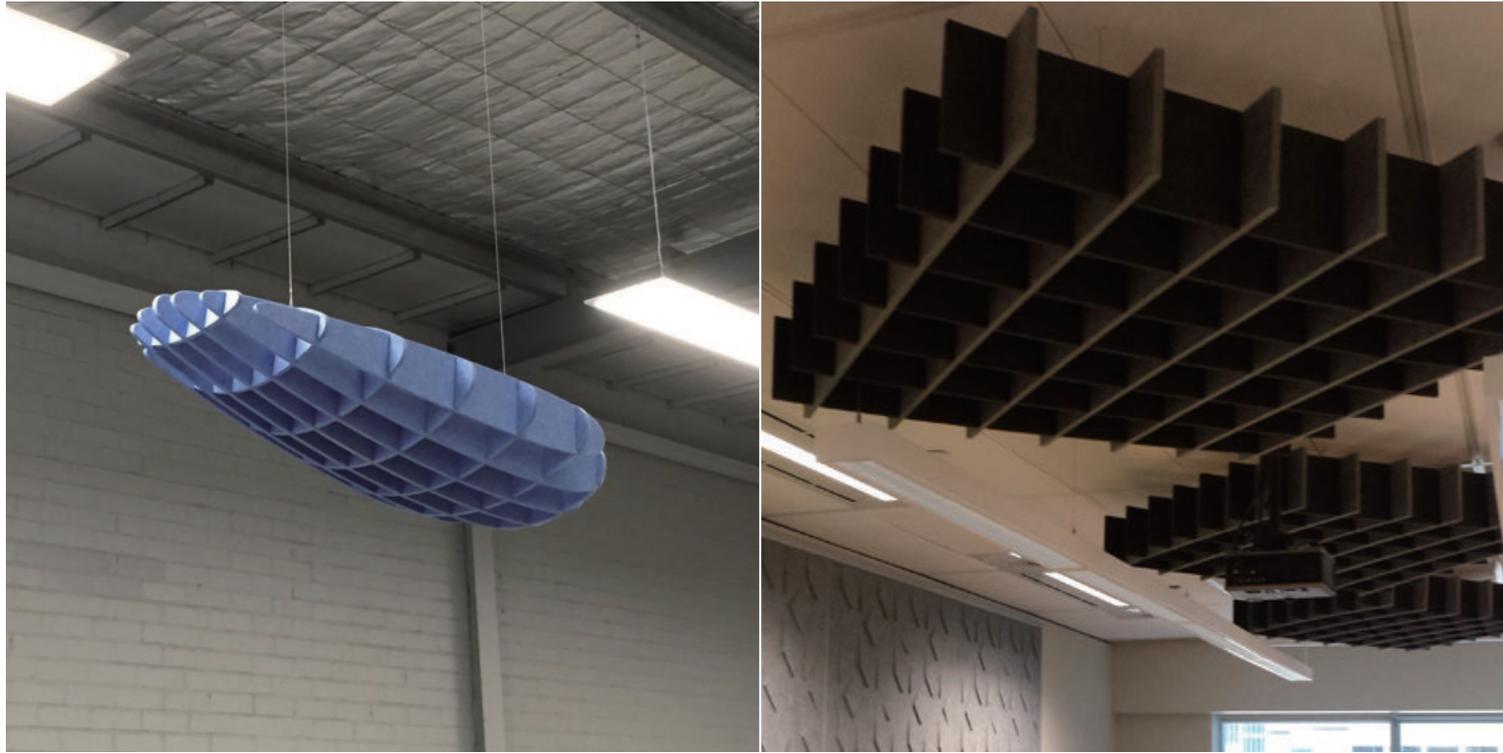
Size: 2400*200*9/12mm / 2400*150*18mm or customized

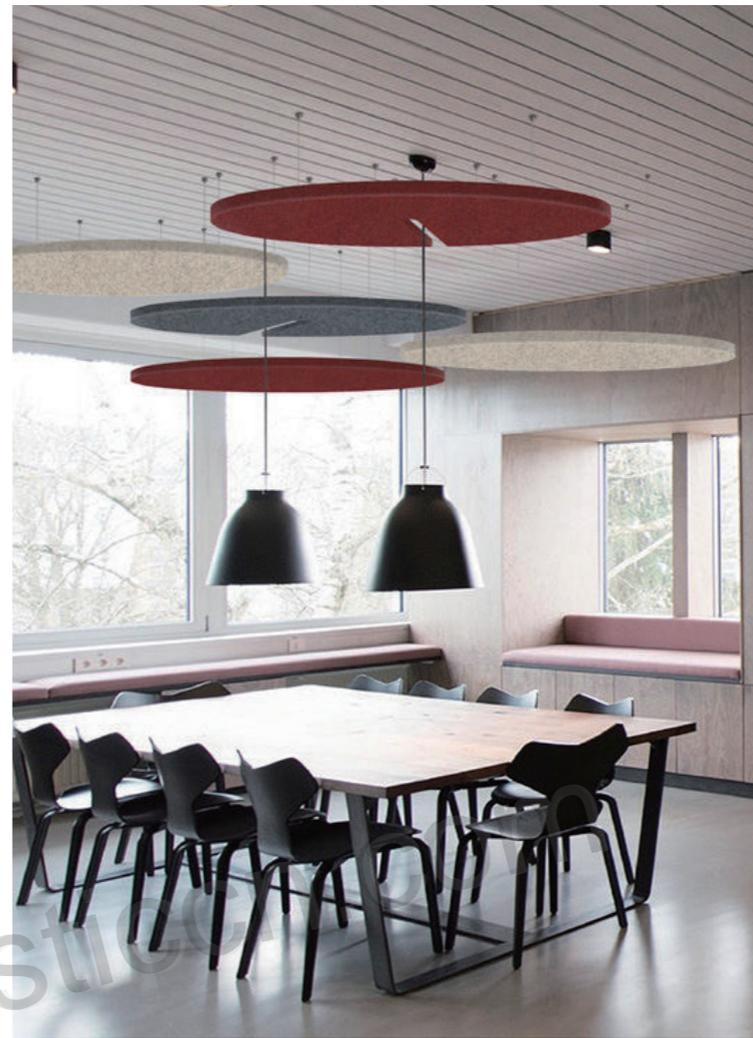
Cut tools: Art knife or CNC cutting equipment

Installation method: Use s/s wire with clip to hanging it to the ceiling

Application Site: only for indoor use. More colors and sizes can be customized

SCENE DISPLAY





TIAN GE®

PET Acoustic Absorber

The PET acoustic absorber is a sound absorbing material made of polyester fiber, which has excellent sound absorption effect. It can effectively eliminate noise and echoes while absorbing sound waves. Acoustic modules are widely used in concert halls, recording studios, offices, and cinemas, creating high-quality audio environments for users.

PET Acoustic Absorber - Design Concept

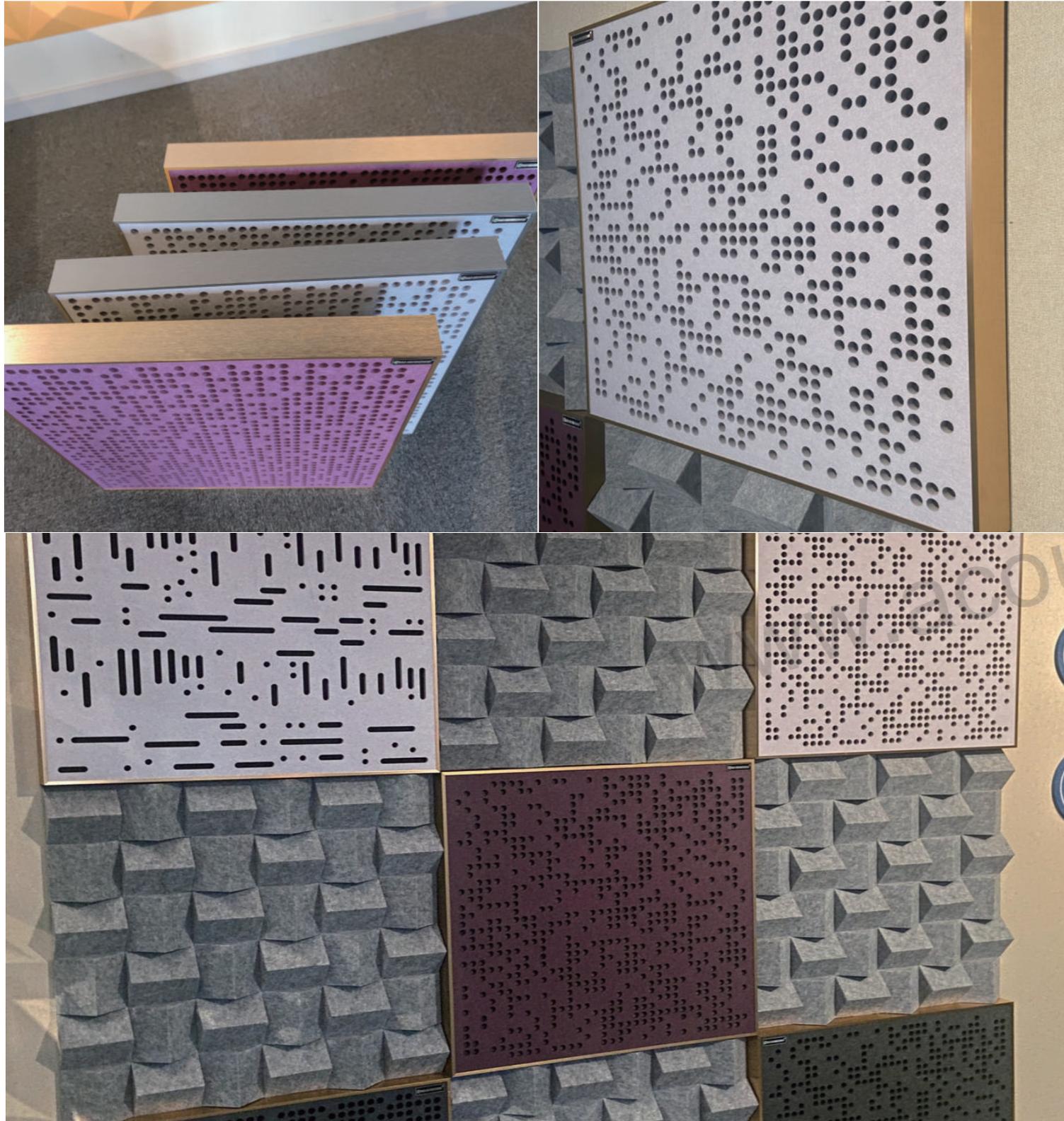
The design concept of the "PET acoustic absorber" is to provide efficient sound absorption and sound insulation effects, suitable for various indoor environments. It is made of polyester fiber material with good damping characteristics, which can effectively reduce noise and echo, providing a good acoustic environment.



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:** 620*620*120mm or customized
- Cut tools:** No tools required
- Installation method:** Use clip to fix it to the wall directly
- Application Site:** only for indoor use. More colors and sizes can be customized

SCENE DISPLAY





TG-01



TG-02



TG-03



TG-13



TG-14



TG-15



TG-04



TG-05



TG-06



TG-16



TG-17



TG-18



TG-07



TG-08



TG-09



TG-19



TG-20



TG-21



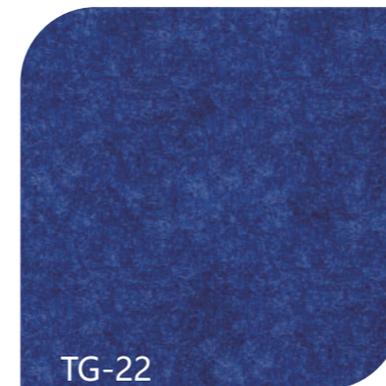
TG-10



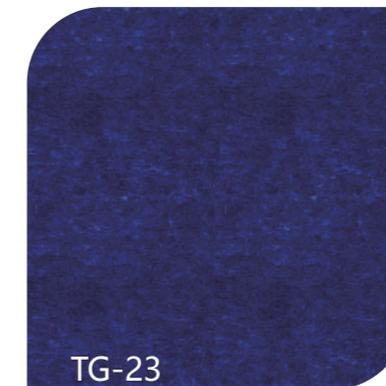
TG-11



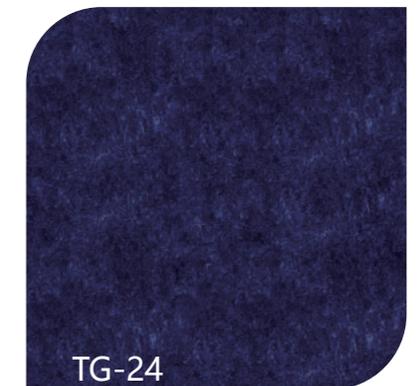
TG-12



TG-22



TG-23



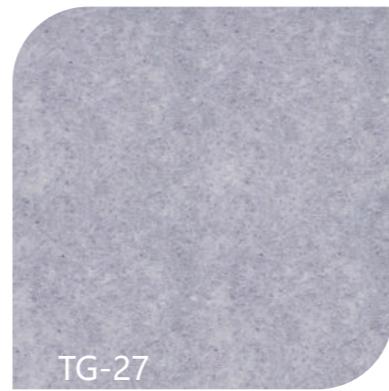
TG-24



TG-25



TG-26



TG-27



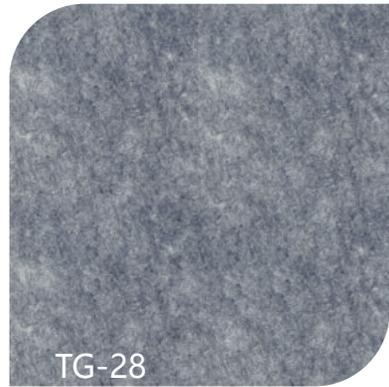
TG-37



TG-38



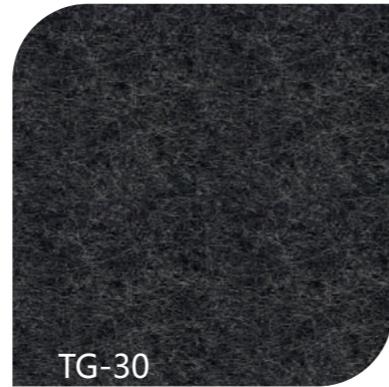
TG-39



TG-28



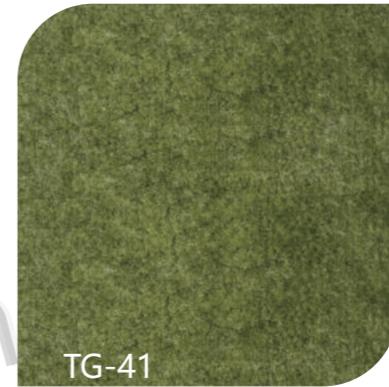
TG-29



TG-30



TG-40



TG-41



TG-42



TG-31



TG-32



TG-33



TG-43



TG-44



TG-45



TG-34



TG-35



TG-36

Welcome to customize colors.....



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WEBSITE



GOOD SOUND
WEBSITE