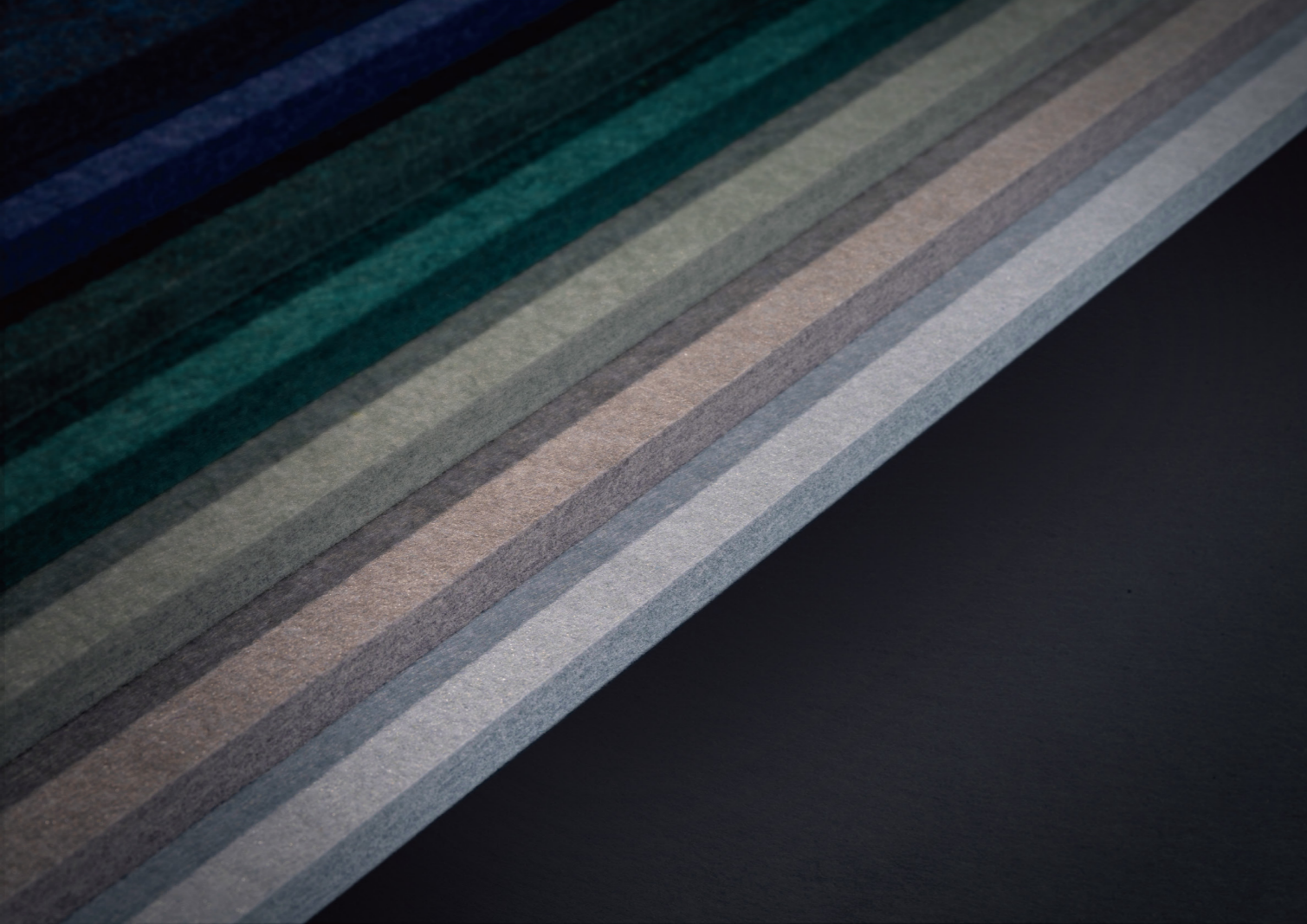


**REFFE**





# PRODUCT INTRODUCTION

PET Acoustic Panels are made of 100% polyester fiber (PET), with 50% post-consumer recycled content. They are manufactured using a thermoforming technique, resulting in a lightweight, high-density compressed polyester acoustic panel or tile, designed to control unwanted noise while providing a decorative function. PET is a green product manufactured without added chemicals, binders, adhesives, or dyes. Due to its recycled content, it contributes to LEED MR 4 credits. The material is highly adaptable and can be cut, notched, or trimmed for installation purposes.

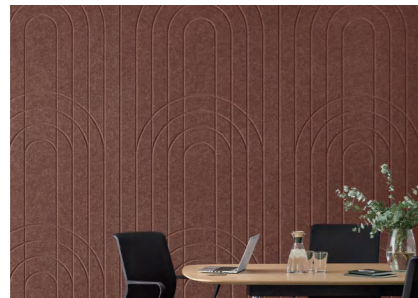


Product color

More than 60 colors  
9mm and 12mm color chart  
Please refer to our color chart



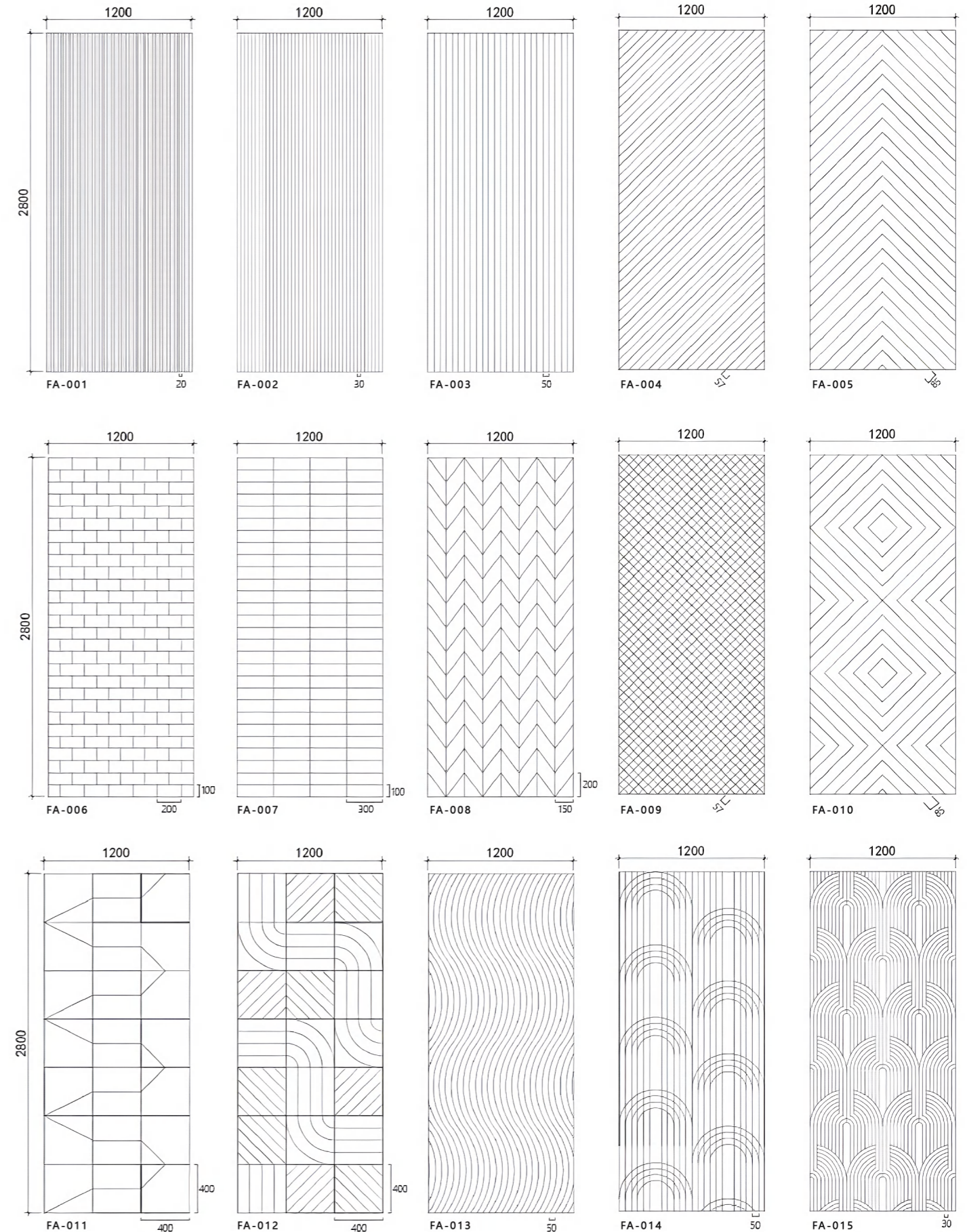
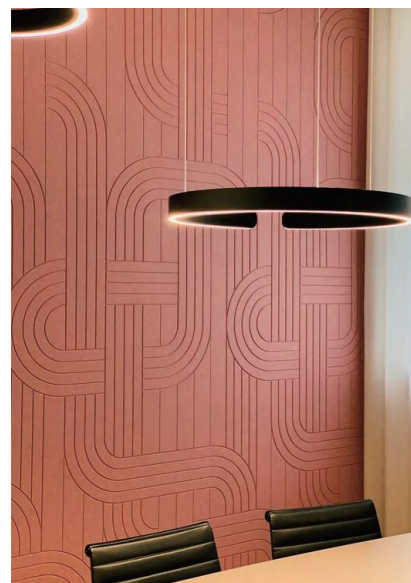
# CARVED ACOUSTIC PANEL



## BRIEF INTRODUCTION

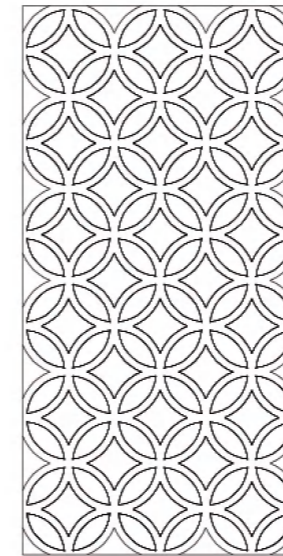
Reffe polyester fiber acoustic panels are sound-absorbing, non-toxic, non-allergenic, and non-irritating. They are an excellent choice for echo control and providing a durable interior solution. Over 40 colors are available in stock for both 9mm and 12mm thicknesses.

-   
Sound Absorption
-   
Flame Retardant
-   
Recyclable
-   
Easy to install
-   
Breathable
-   
VOC free
-   
Mold resistant
-   
Lightweight
-   
Printable
-   
Thermal insulation

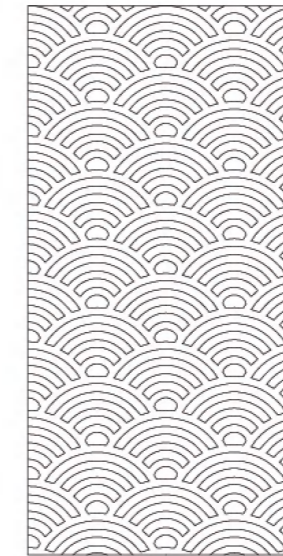


Note: Standard size is 2800x1200 MM, can be customised.

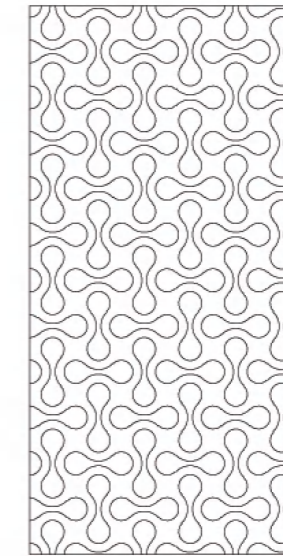
# CARVED ACOUSTIC PANEL



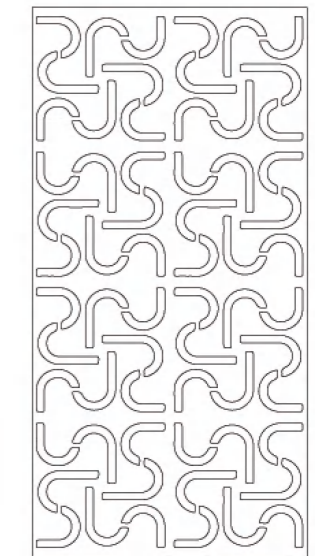
FA-001



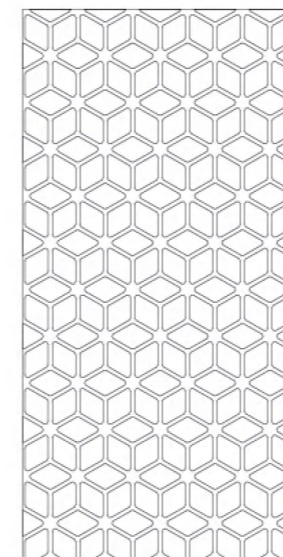
FA-002



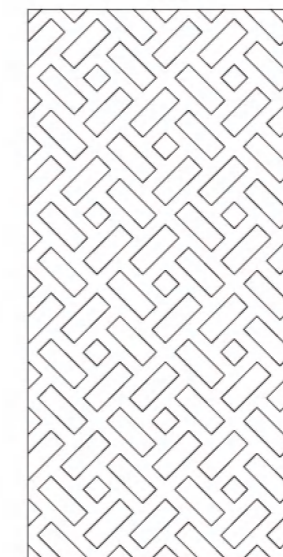
FA-003



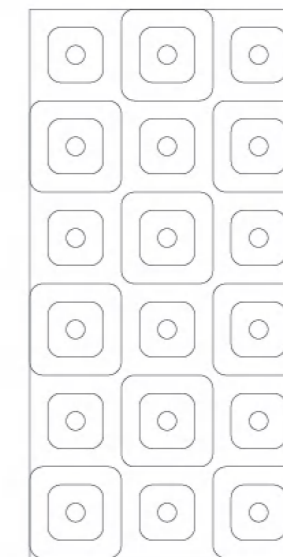
FA-004



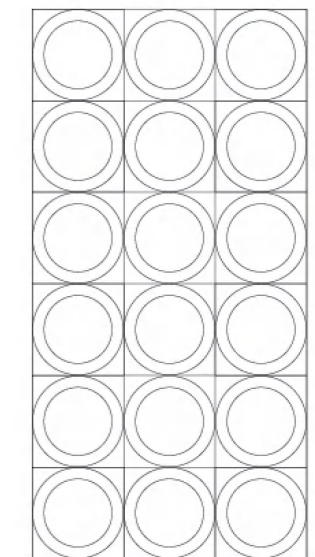
FA-013



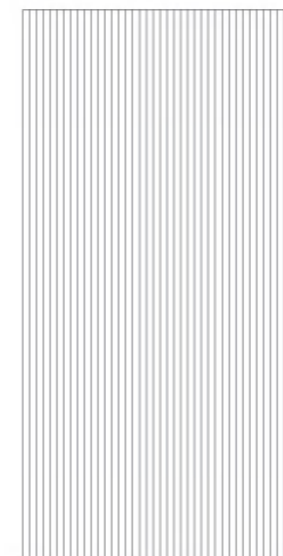
FA-006



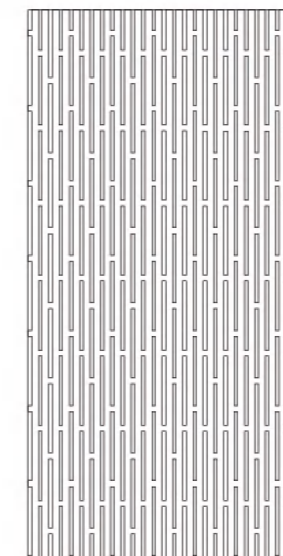
FA-007



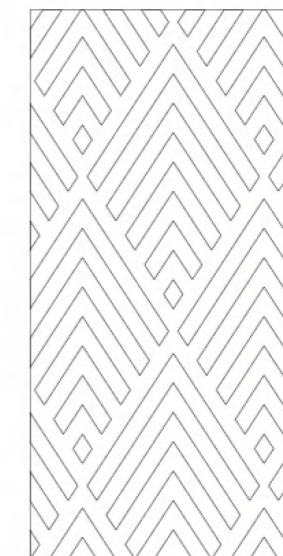
FA-008



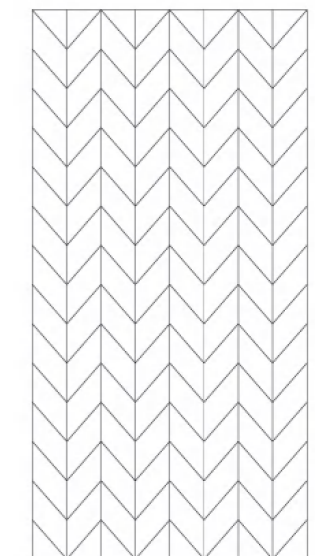
FA-009



FA-010



FA-011



FA-012



# CARVED ACOUSTIC PANEL



PRODUCT SPECIFICATIONS	
Product Type	Carved Acoustic panel
Material	100% Polyester fiber
Size	2400x1200 or customized
Thickness	9/12mm
Density	1500 g/sqm and 1900g/sm for 9mm ; 2200g/sqm and 2400g/sqm for 12mm
Color	9mm and 12mm color swatch
NRC	0.8-0.9
Eco-friendly	EO
Fire Resistance	EN13501 Class B



Stand size: 1200x2400mm  
Customized design is available

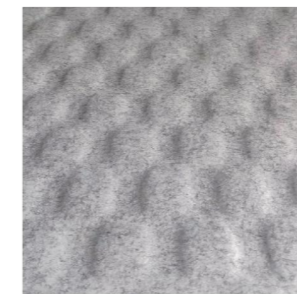


# EMBOSSSED AND 3D ACOUSTIC PANEL

## BRIEF INTRODUCTION

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Embossed acoustic wall panels are designed to create a contemporary finish and provide simple yet effective acoustic control for any interior environment. Lightweight and semi-rigid, Reffe embossed panels offer unparalleled flexibility in acoustic design while reducing reverberant sound and controlling background noise. They are completely safe and certified as low VOC, making them suitable for residential, office, educational, retail and hospitality spaces.



EM-001



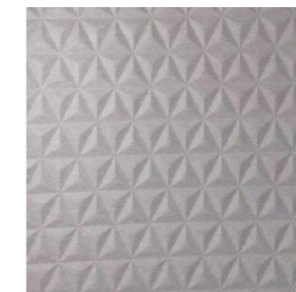
EM-002



EM-003



EM-004



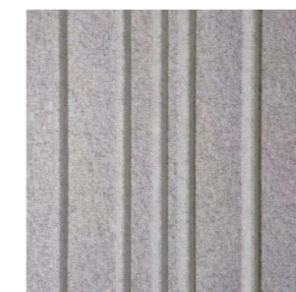
EM-005



EM-006



EM-007

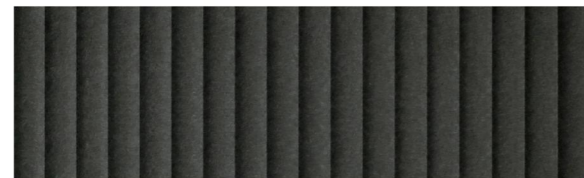


EM-008

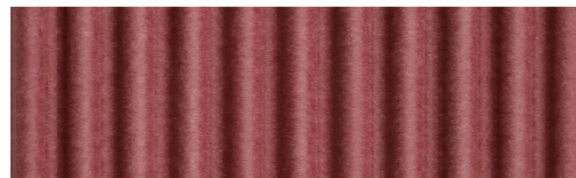


EM-009

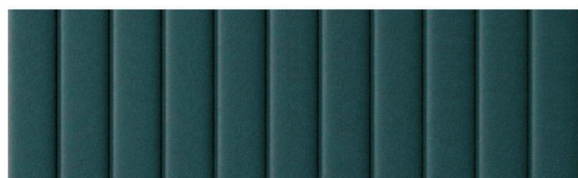
# EMBOSSED ACOUSTIC PANEL



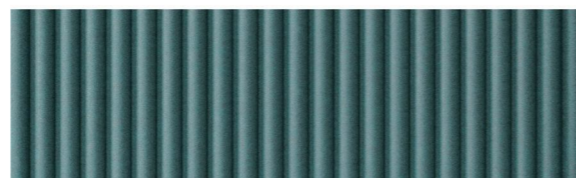
BM-001



BM-002



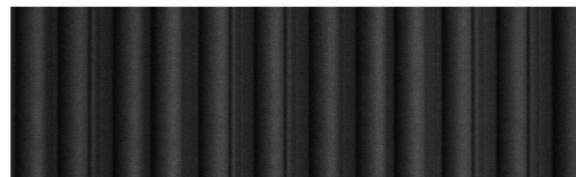
BM-003



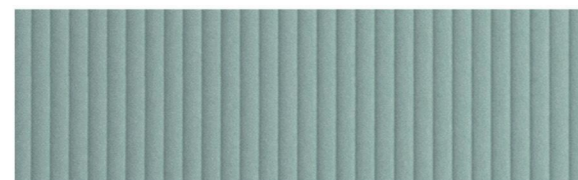
BM-004



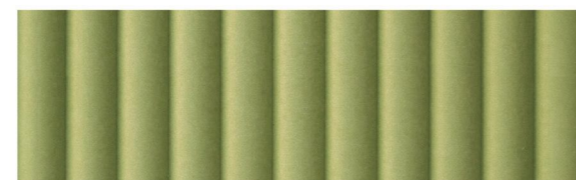
BM-005



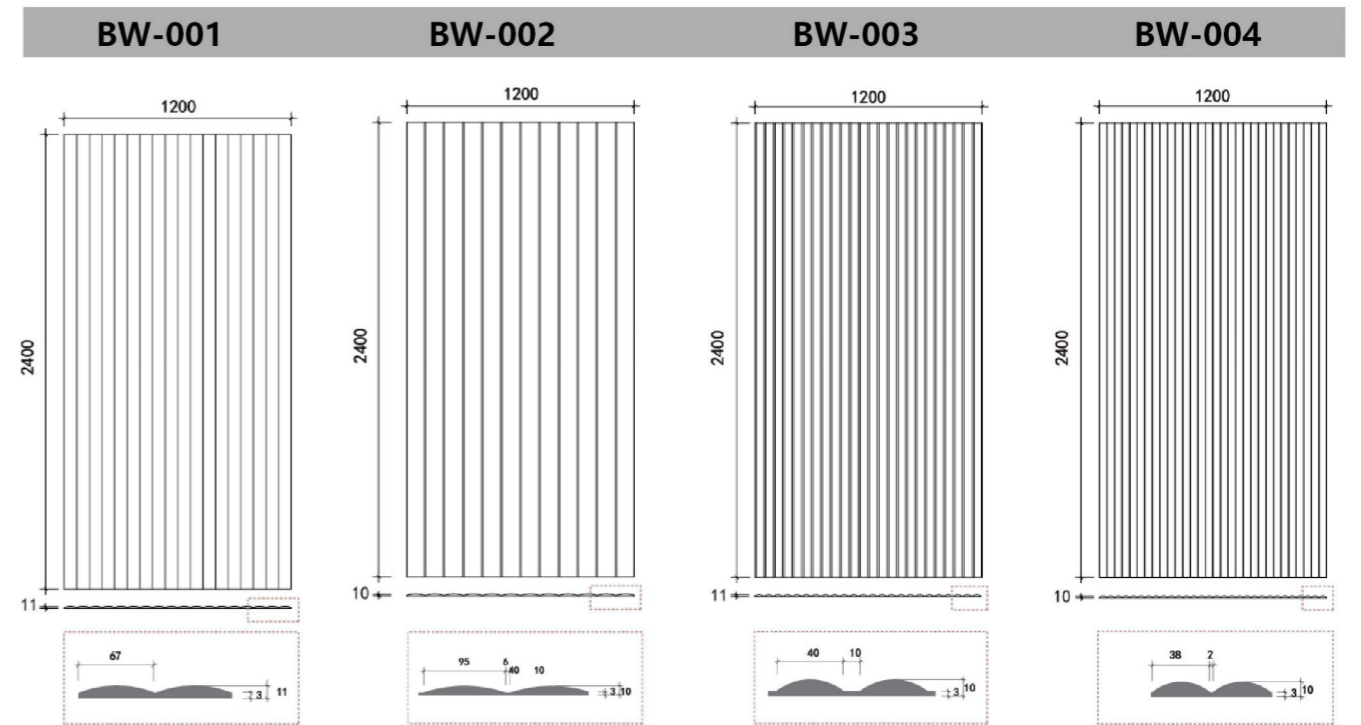
BM-006



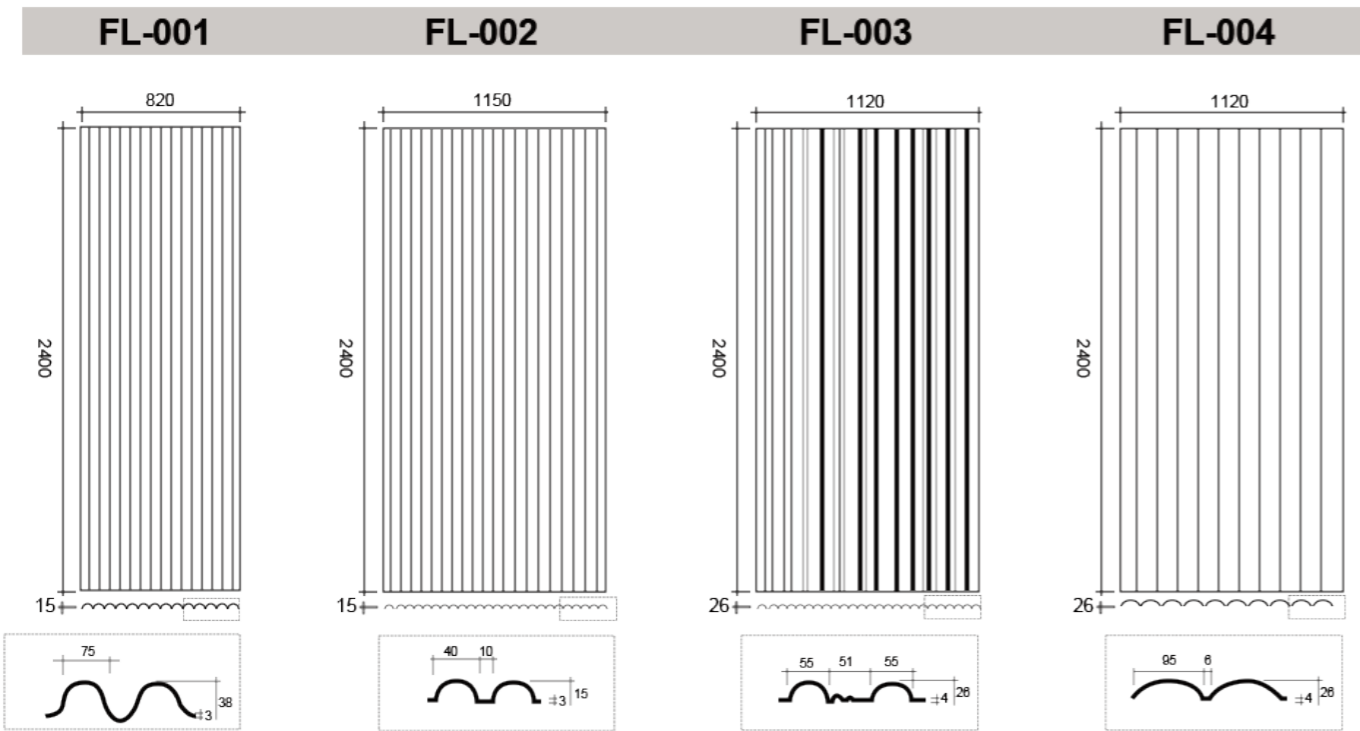
BM-007

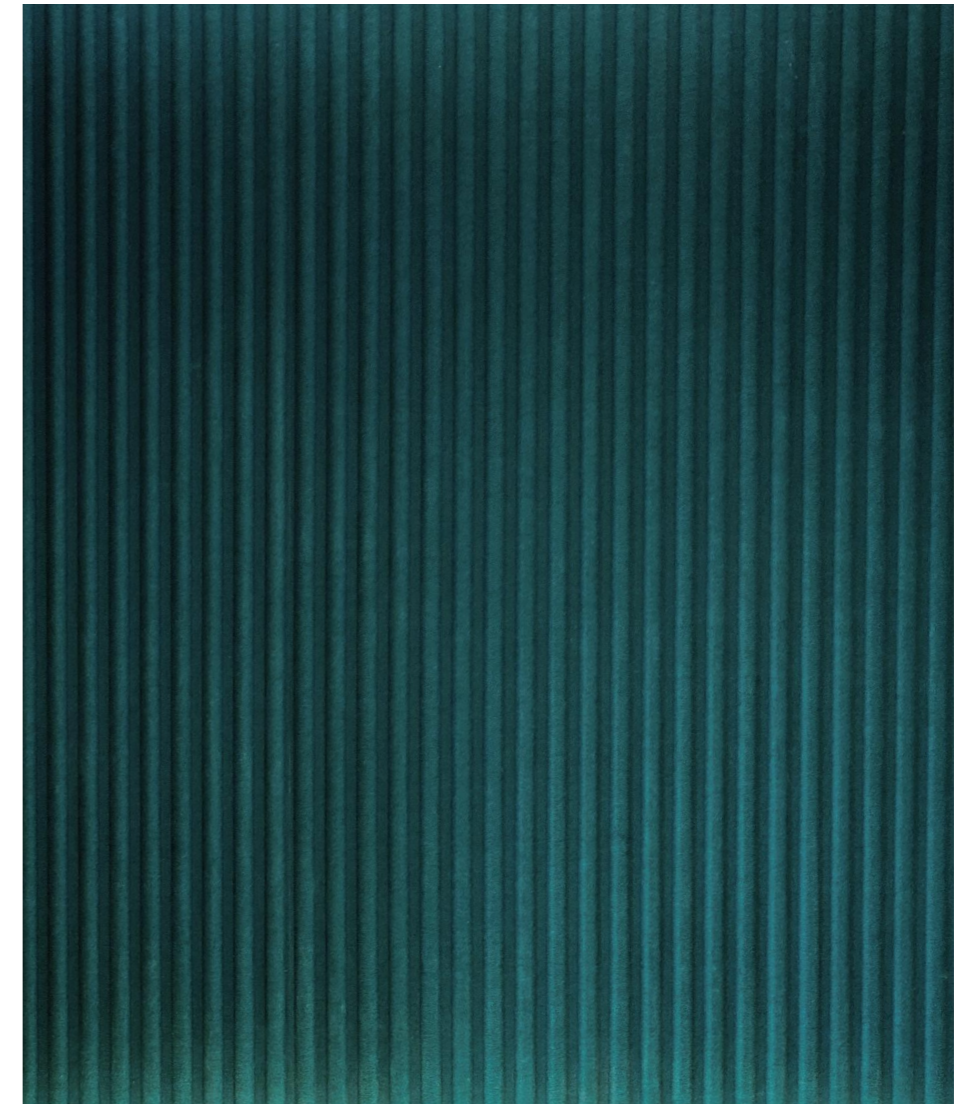


BM-008



# EMBOSED ACOUSTIC PANEL

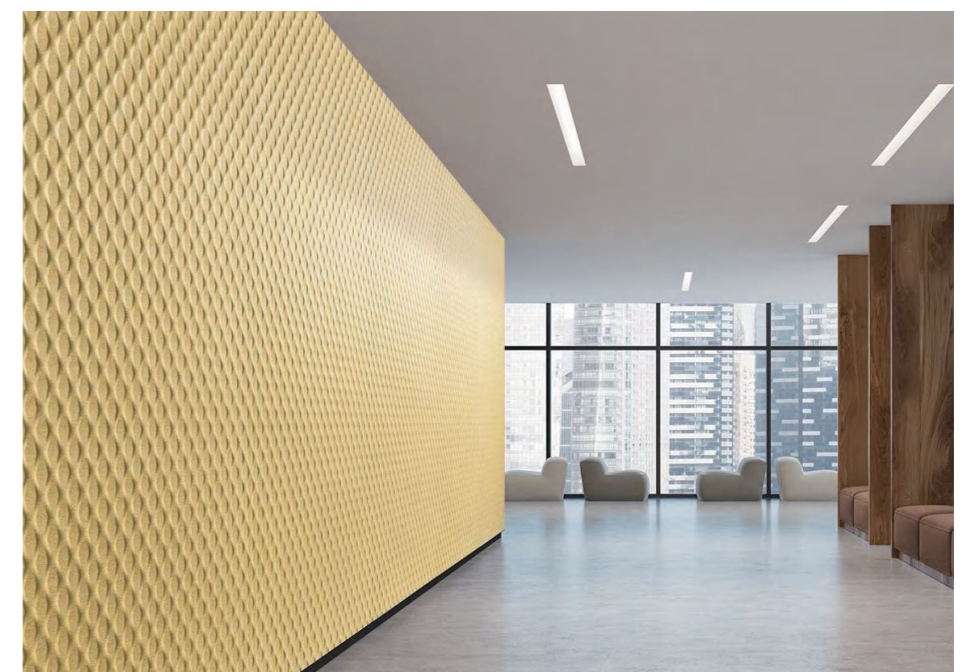




## EMBOSSED ACOUSTIC PANEL



Embossed acoustic wall panels are designed to create a contemporary finish and provide simple yet effective acoustic control for any interior environment. Lightweight and semi-rigid, Reffe embossed panels offer unparalleled flexibility in acoustic design while reducing reverberant sound and controlling background noise. They are completely safe and certified as low VOC, making them suitable for residential, office, educational, retail and hospitality spaces.



# 3D ACOUSTIC PANEL

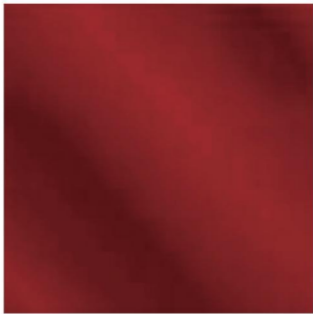
B:500\*500\*60mm

C:500\*500\*30mm

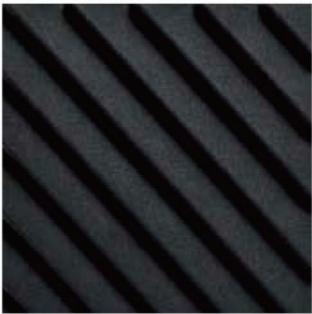
E:600\*600\*60mm



3D-01B



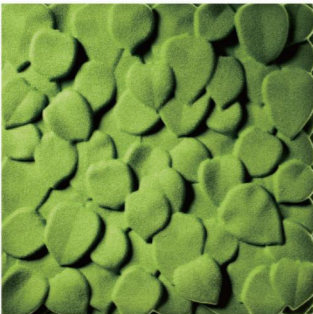
3D-02B



3D-03B



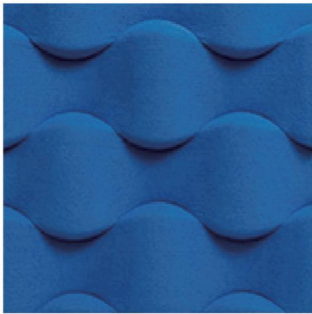
3D-04B



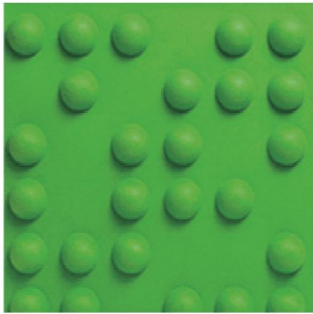
3D-05B



3D-06E



3D-07E



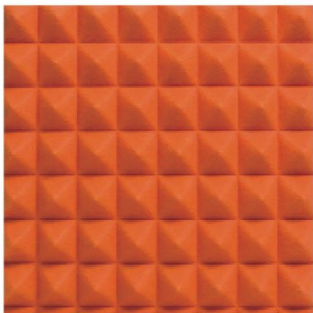
3D-08E



3D-09B



3D-10E



3D-11B

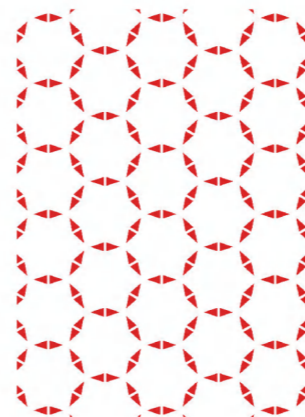


3D-12E

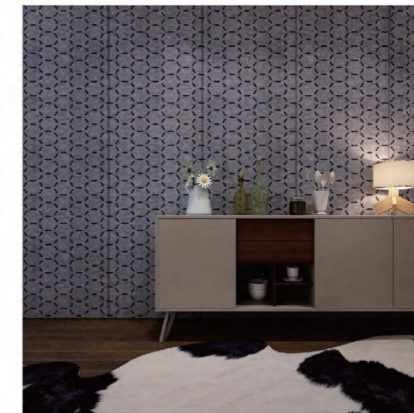




# PRINTED ACOUSTIC PANEL



PT-001



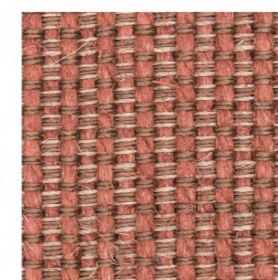
PT-002



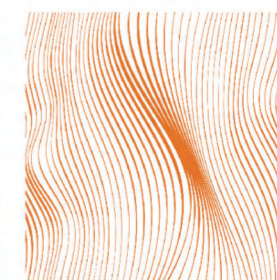
PRODUCT SPECIFICATIONS	
Product Type	Printed PET panel
Material	100% Polyester fiber
Size	2400x1200 or customized
Thickness	9/12mm
Density	1500 g/sqm and 1900g/sm for 9mm ; 2200g/sqm and 2400g/sqm for 12mm
Color	9mm and 12mm color swatch
NRC	0.8-0.9
Eco-friendly	EO
Fire Resistance	EN13501 Class B



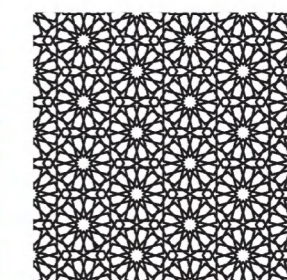
PT-003



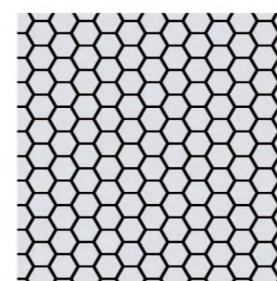
PT-004



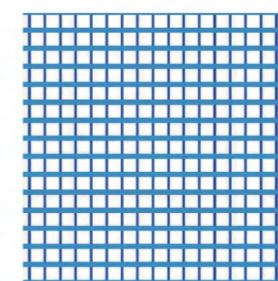
PT-005



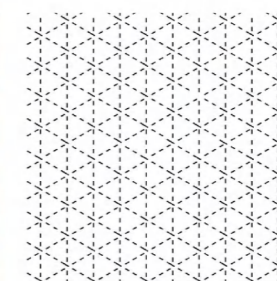
PT-006



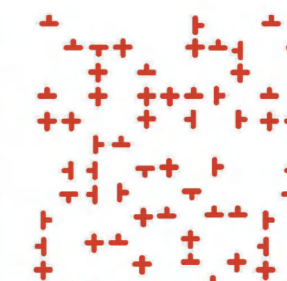
PT-007



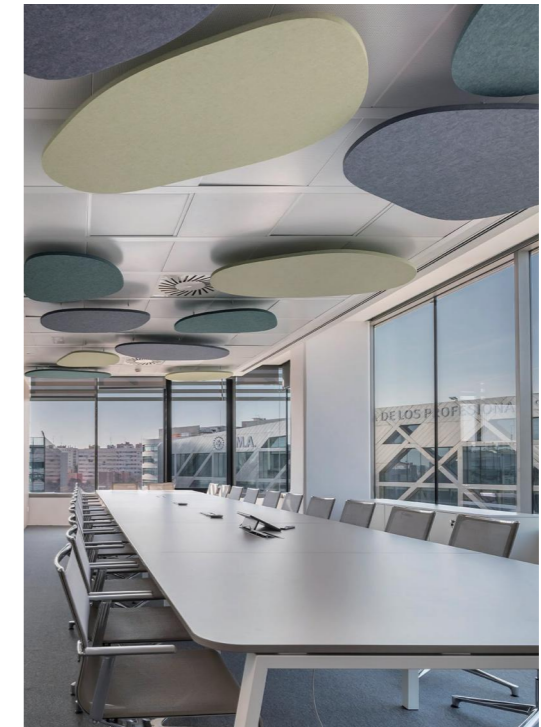
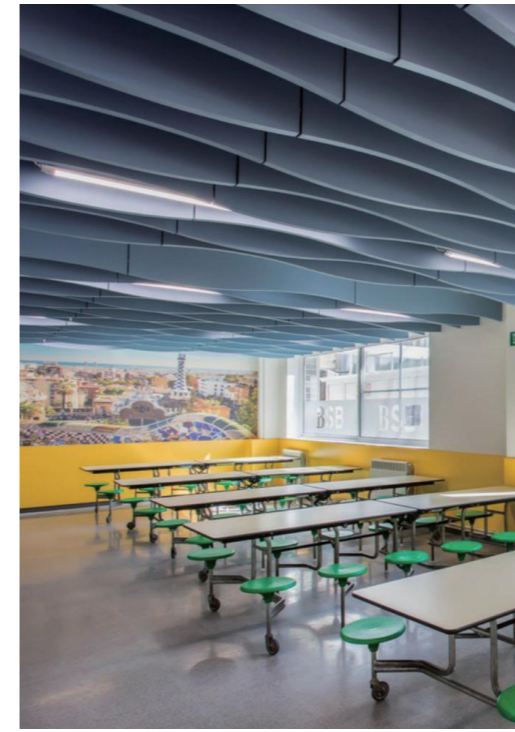
PT-008



PT-009



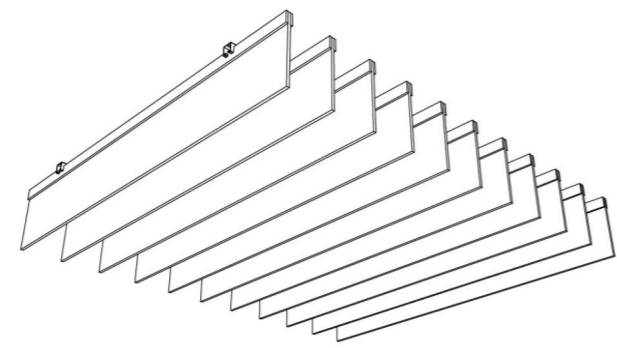
PT-010



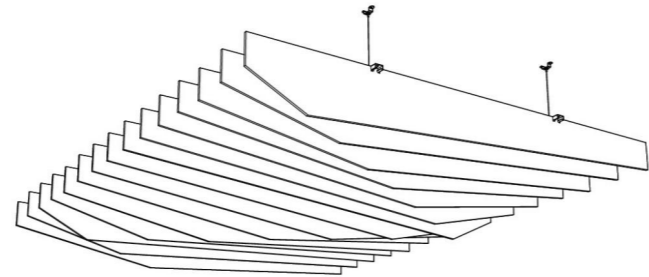
## ACOUSTIC CEILING

### BRIEF INTRODUCTION

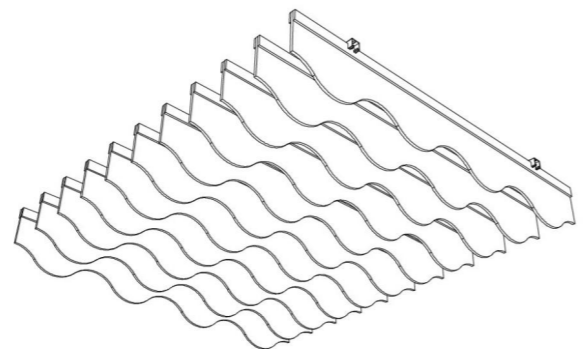
PET Acoustic Ceilings define spaces while reducing the perception of volume, effectively mitigating excess noise. They help you design visually stunning, acoustically optimized environments for creative and productive living, working, and play.



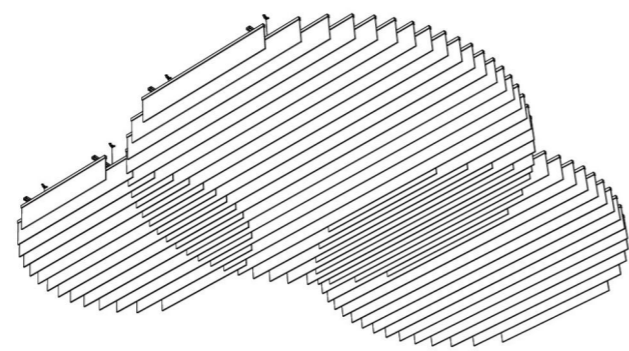
CE-005 Size:12\*200\*2400mm (Customisation)



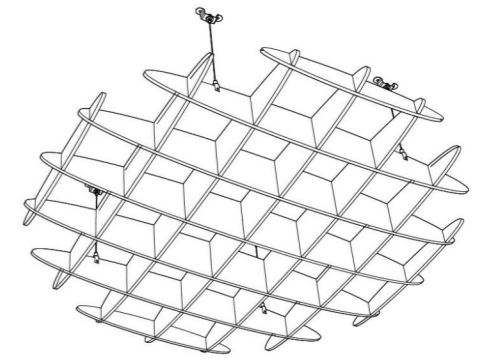
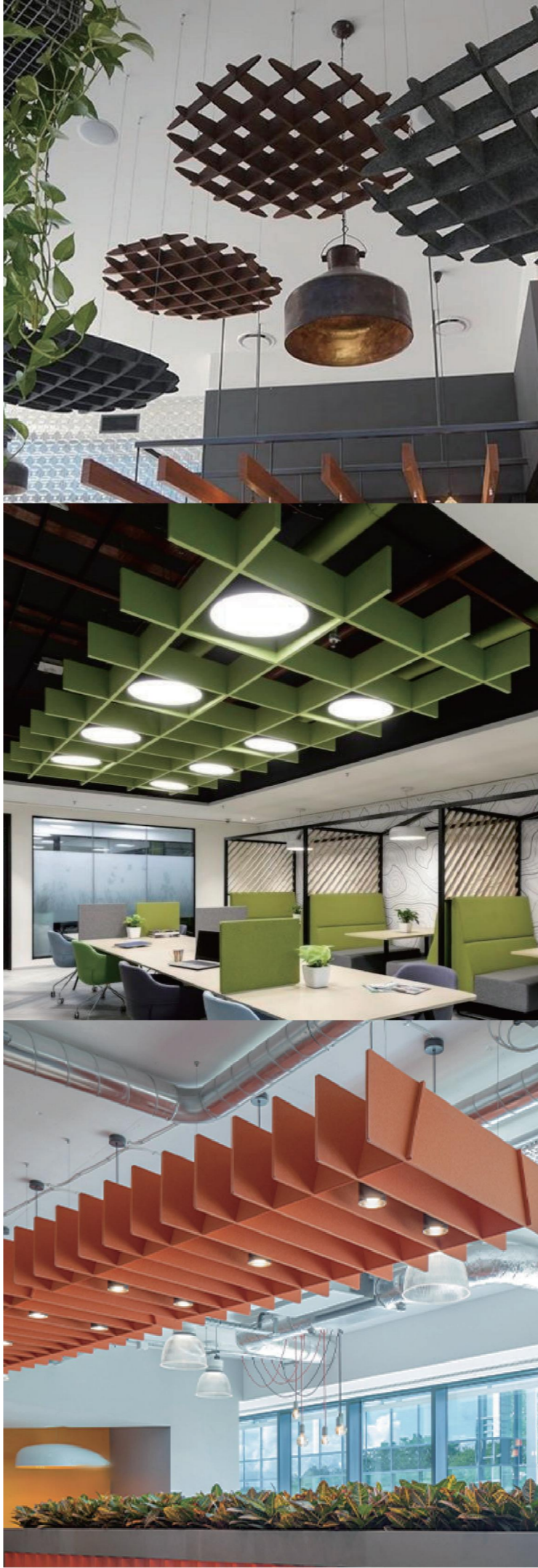
CE-006 Size:12\*300\*2400mm (Customisation)



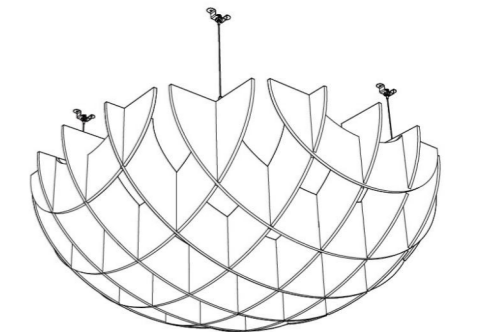
CE-007 Size:12\*300\*2400mm (Customisation)



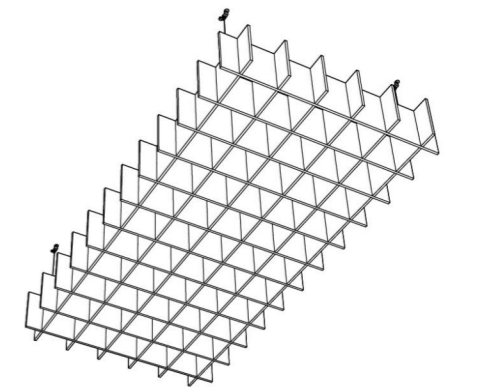
CE-008 Size:Customisation



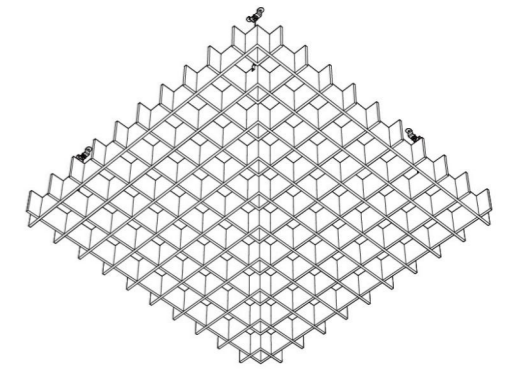
CE-001 Size:150\*1200\*1200mm (Customisation)



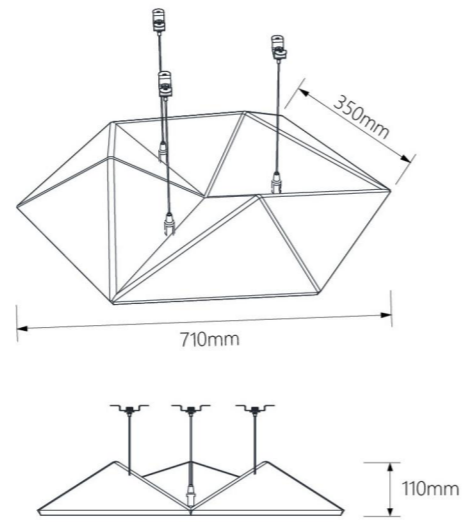
CE-002 Size:400\*1200\*1200mm (Customisation)



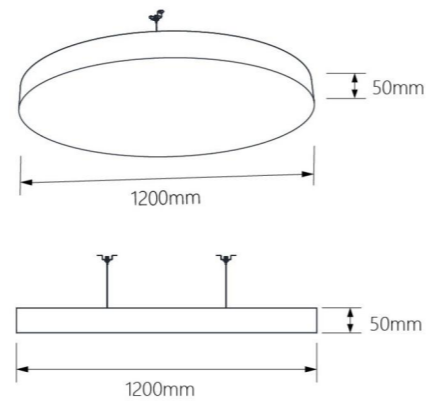
CE-003 Size:200\*1200\*2400mm (Customisation)



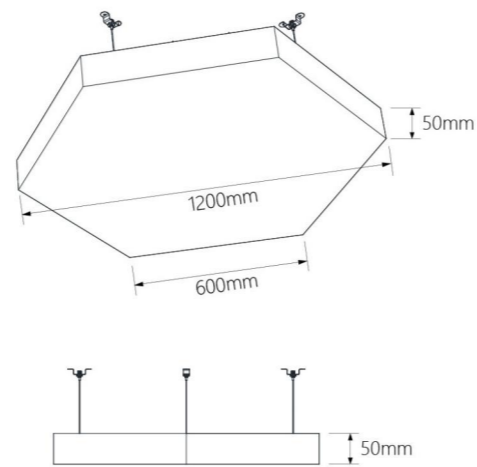
CE-004 Size:200\*1200\*1200mm (Customisation)



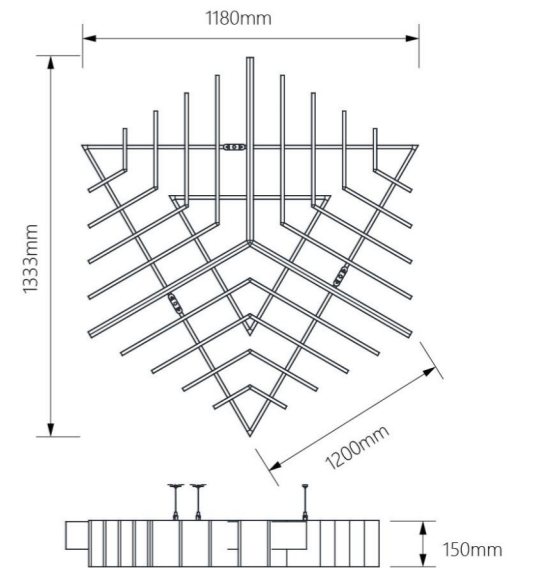
CE-009 Size:Customisation



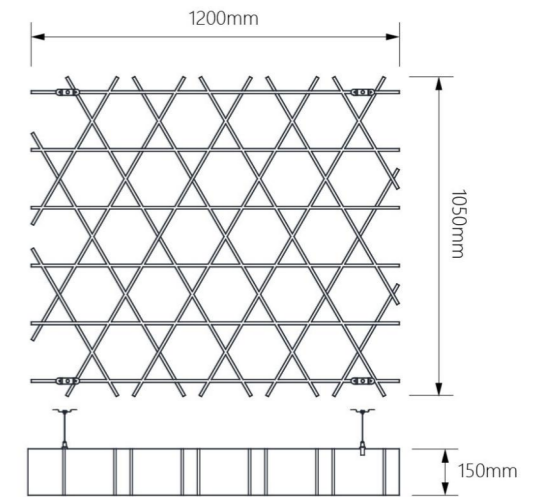
CE-010 Size:Customisation



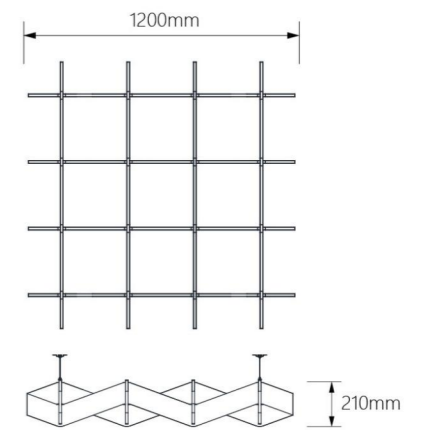
CE-011 Size:Customisation



CE-012 Size:Customisation



CE-013 Size:Customisation



CE-014 Size:Customisation

# OFFICE DESK SCREEN

## BRIEF INTRODUCTION

An easy-to-use and install solution for when a little bit of privacy is needed. Simply slide the desk divider over the edge of the work surface and tighten the knob. Use desk dividers for permanent divisions or as needed. They are completely customizable to fit almost any workspace.



# OFFICE DESK SCREEN

## EMBOSSED DESK DIVIDER



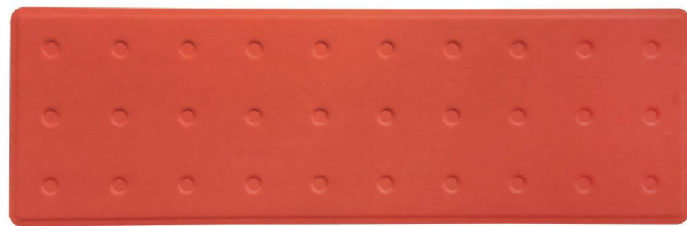
Product name:EM Screen- 001

Size: 15\*340\*580mm  
 15\*340\*980mm  
 15\*340\*1180mm  
 15\*340\*1380mm



Product name:EM Screen- 002

Size: 22\*400\*600mm  
 22\*400\*1400mm  
 22\*400\*1600mm



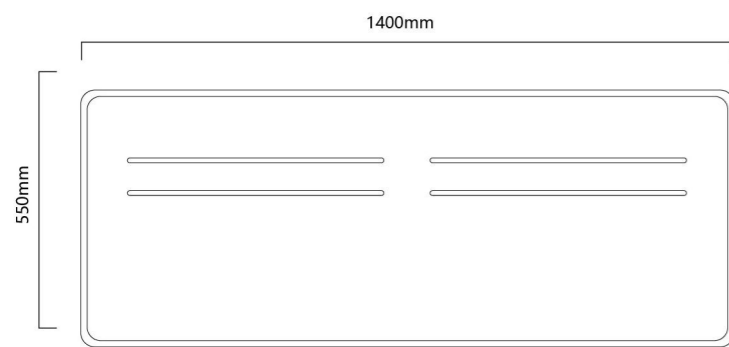
Product name:EM Screen- 003

Size: 10\*320\*800mm  
 10\*320\*1020mm

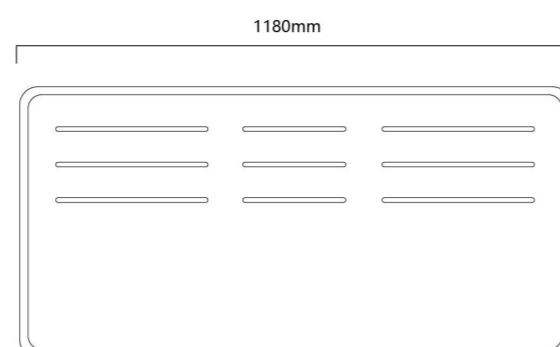


Product name:EM Screen- 004

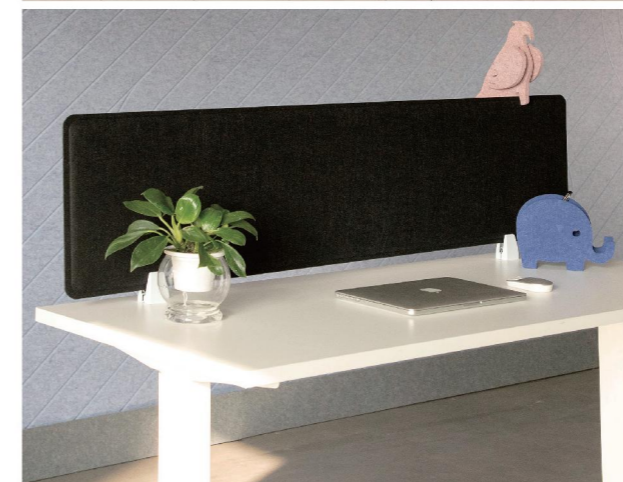
Size: 20\*340\*1380mm  
 20\*340\*1580mm



Product name:EM Screen- 005

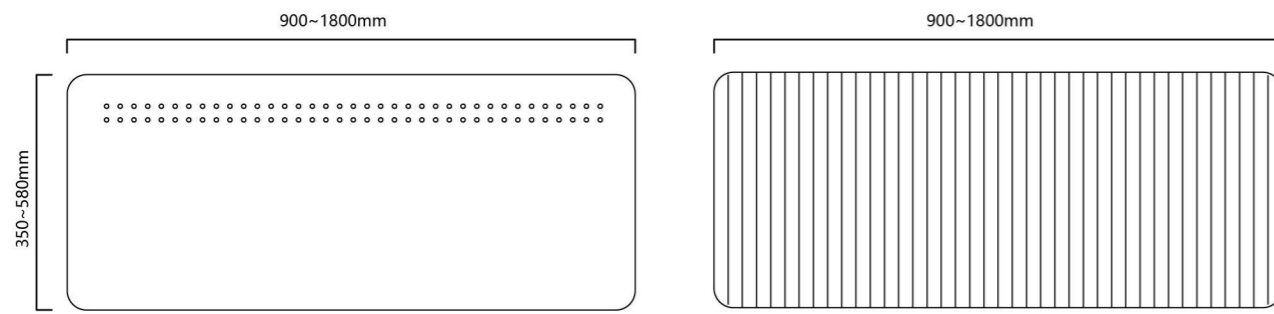


Product name:EM Screen- 006



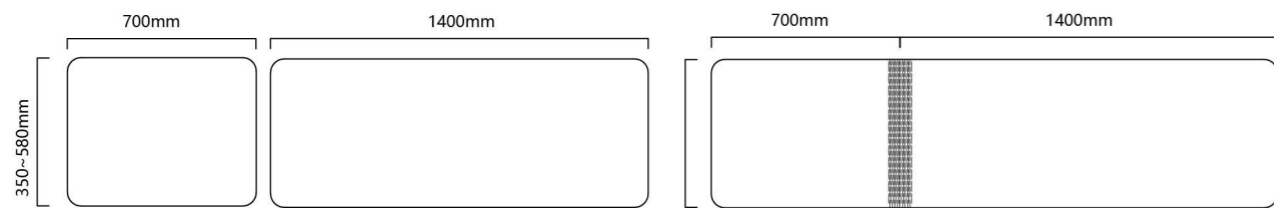
# OFFICE DESK SCREEN

## ENGRAVED DESK DIVIDER



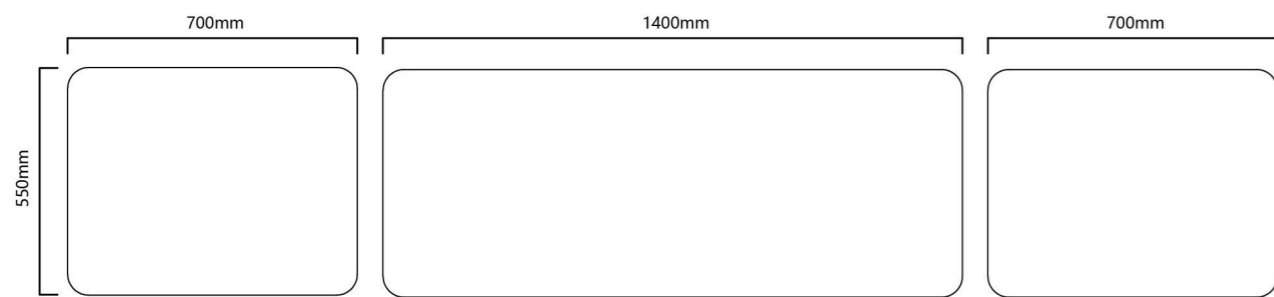
Product name : CA Screen-001

Product name : CA Screen-002

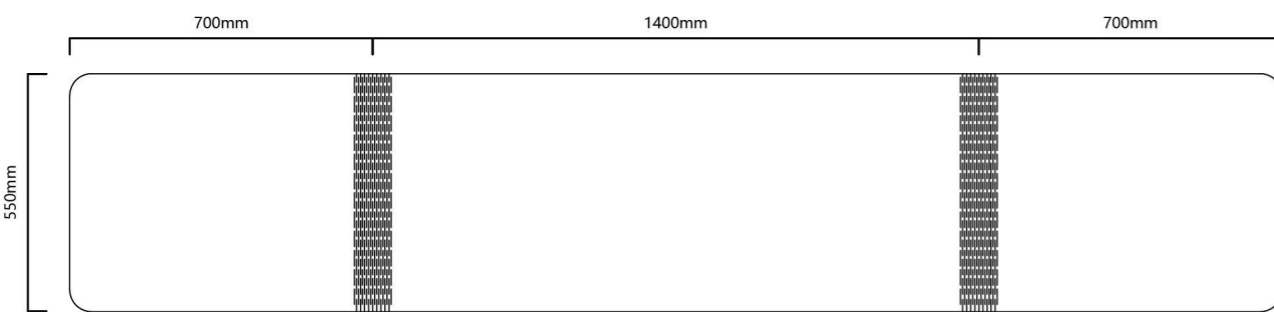


Product name : CA Screen-003

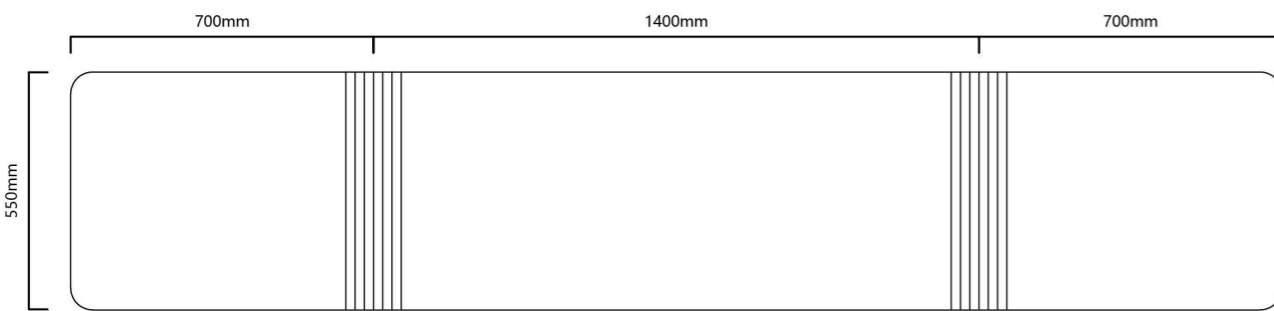
Product name : CA Screen-004



Product name : CA Screen-005

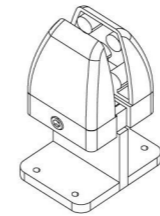


Product name : CA Screen-006

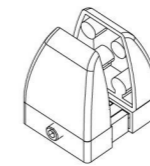


Product name : CA Screen-007

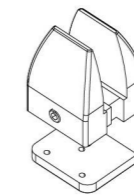
## ADAPTABLE



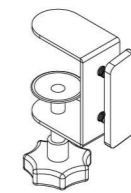
JZ-01



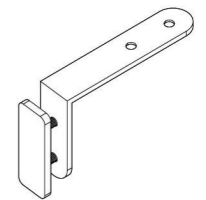
JZ-02



JZ-03



JZ-04



JZ-05



# ECO FRIENDLY PROCESSING



1. Soft drink and detergent bottles made from PET identified by ♻️, are collected from consumers



2. Contaminants like lids and sticky labels are removed. Bottles are chipped into tiny pellets



3. Pellets are washed and sanitised



4. Pellets and colour are fed into a hopper. A heater at the base of the hopper melts the pellets to form a free flowing resin



5. Resin is pumped through a sophisticated shower-rose device, known as a spinneret



6. Cold air fans set the fine fibres extruded from the spinneret

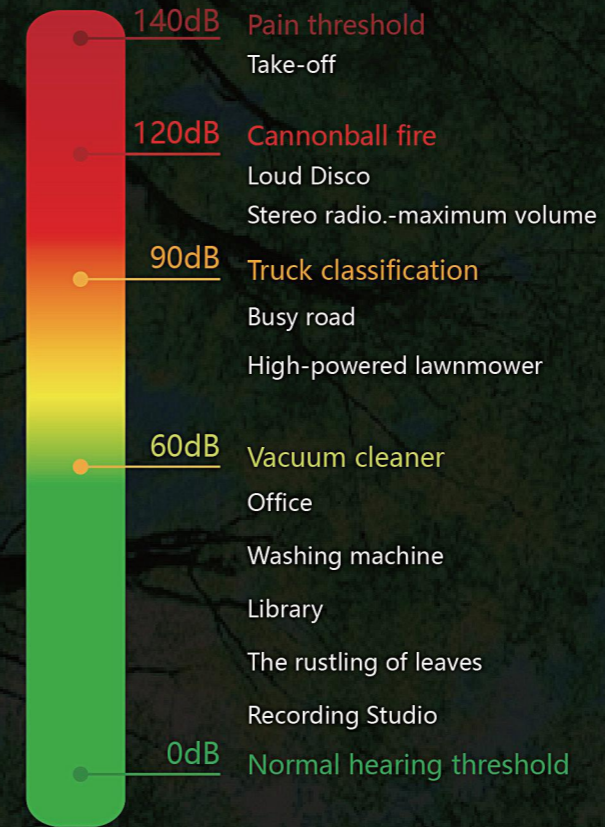


7. Fibres are drawn and cut and are blended into a web



8. Web is compressed and cut ready for use

# WE CARE ABOUT ACOUSTICS! HOW ABOUT YOU?



**Low tones** Low frequency | Long wave | 50-250Hz | e.g.HVAC,vowels



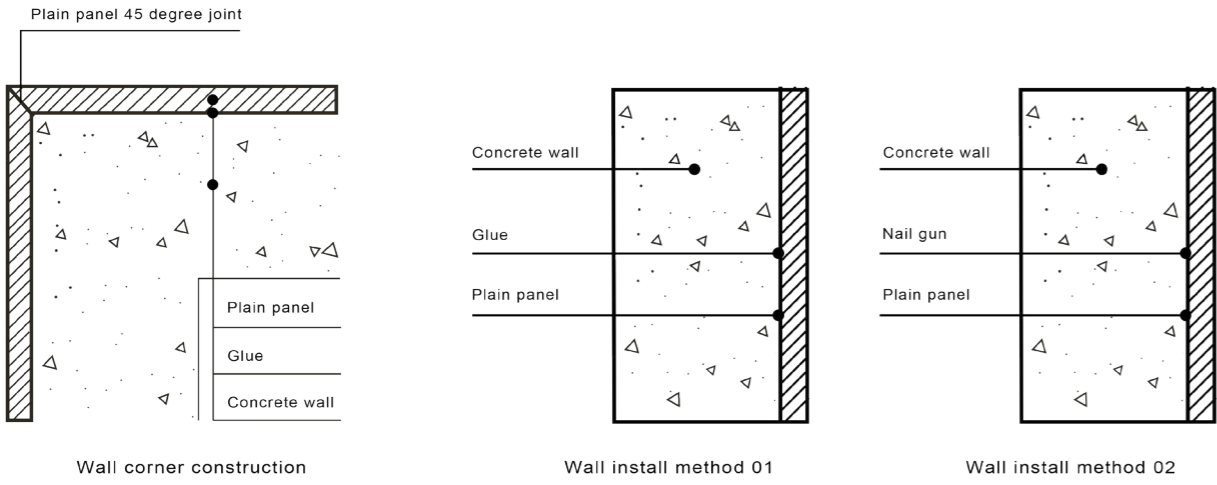
**Mid tones** Speech frequency | Mid wave | 250-2500Hz | e.g.speech,vowels



**High tones** High frequency | Short wave | 2500-12000Hz | e.g.HVAC,consonants



# CONSTRUCTION NODE GRAPH

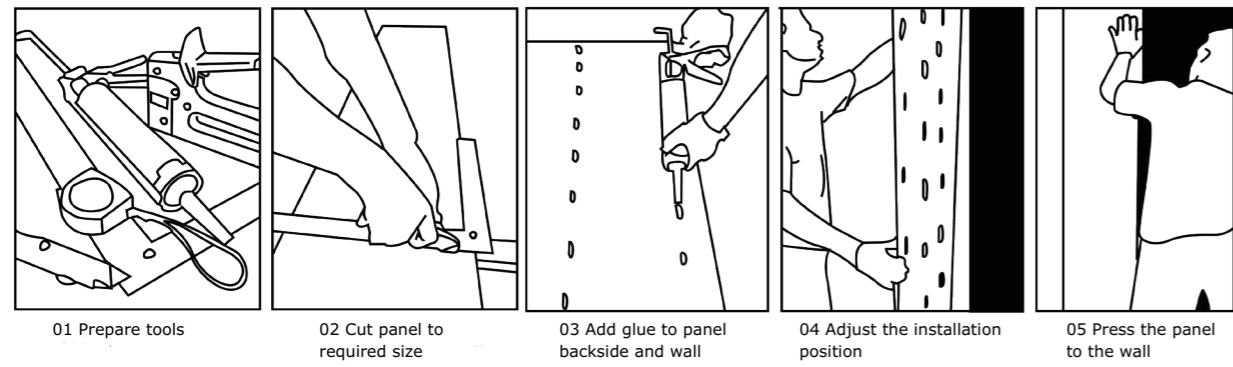


# PROFESSIONAL CLEANING METHODS

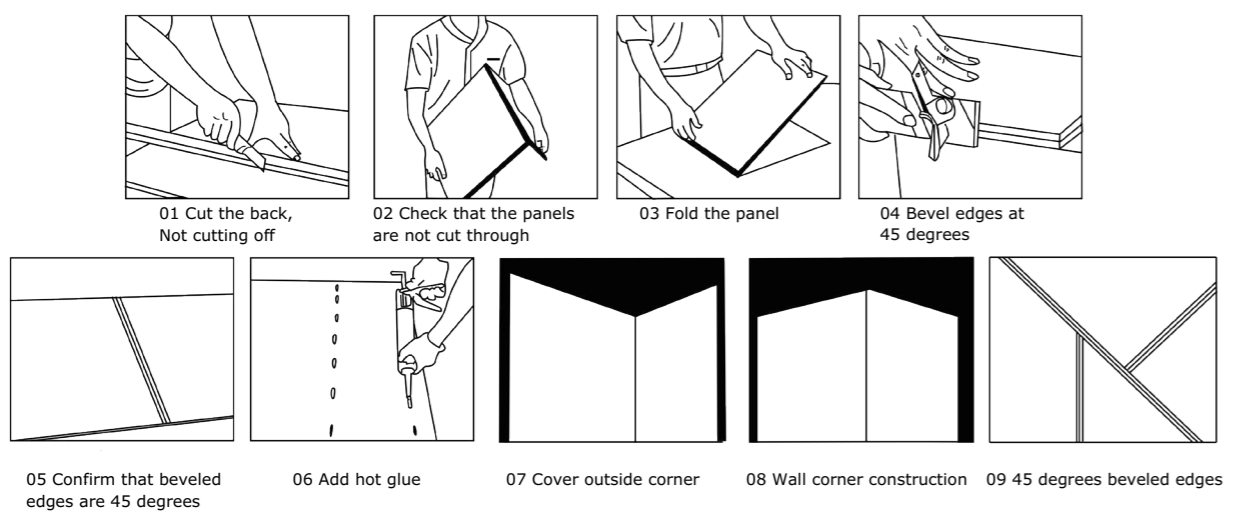
Stain	A	B	C	D	E	F	G	H	I	J
Blood	✓		✓							
Chewing Gum		✓	✓	✓					✓	
Chocolate		✓	✓	✓						
Cooking Oils		✓	✓	✓						
Crayon/Colour Markers		✓	✓	✓						
Drinks	✓	✓								
Dust/Dirt			✓							✓
Excrement		✓	✓							
Grass			✓							
Grease		✓	✓	✓						
Ink(ballpoint)				✓	✓					
Ink(fountain)	✓		✓							
Lipstick		✓	✓	✓	✓					
Mildew			✓							
Milk	✓				✓					
Mud		✓	✓							
Nail Polish	✓						✓			
Paint(water based)	✓		✓			✓				
Paint(oil based)	✓		✓	✓				✓		
Sauces		✓	✓	✓						
Shoe Polish		✓	✓	✓						
Urine	✓		✓							
Vomit	✓		✓	✓						
Wine	✓		✓							

# HOW TO INSTALL

Acoustic panel



# CHAMFERING PRODUCTION PROCESS



- A Mop up excess as soon as possible with a sponge or cloth.
- B Remove surplus with a knife edge or appropriate instrument.
- C Sponge with a solution of carpet shampoo working from well outside the stain in a circular motion towards the centre (this avoids spreading the stain).Sponge afterwards with clean warm water and mop excess moisture with a clean dry cloth or sponge. Allow to dry then brush gently with a soft brush. If any stain remains, sponge with a solution of one part household bleach to six parts clear water, Thoroughly rinse after treatment.
- D Lightly sponge with household dry cleaning fluid and blot. Apply sparingly, as the substance may have an adverse effect on the adhesive.
- E Sponge with methylated spirits and blot dry.
- F Lubricate the stain with glycerine or petroleum jelly.
- G Apply nail polish remover. The nail polish remover should not include lanolin or be of a greasy nature.
- H Sponge with turpentine (or substitute)
- I Freeze with ice cubes and scrape away while cold.
- J Clean with regular extractive carpet cleaner (if possible)
- K Use circular cutter and remove damaged portion. Re-glue new piece into place.