



BITEC ENTERPRISE LTD

11th floor, KPN Tower Building, 719 Rama 9 Road
Bangkapi, Huaykwang, Bangkok 10310
Tel. (662) 717-1155 Fax. (662) 717-1156
email: info@bitecenterprise.com
website: www.bitecenterprise.com

BITEC

ALUMINIUM CEILING CLADDING



BRAND INTRODUCTION

Aluminium Ceiling

Aluminium Ceiling has been getting good recognition as superior decoration material for its multi advantages such as damp resistance, sound absorption, high durability and being friendly to environment.

Our product, ceiling is made of superior quality aluminium with the processes of precise punching, forming, surface preservative treatment, painting, and lastly solidification under high temperature. Our ceiling is available with rich sizes, patterns and colours with qualified suspension systems to tender various customer needs.

Aluminium Cladding

In addition to enhancing the appearance of your building, aluminium cladding greatly reduce solar glare and, potentially, air conditioning costs. With the use of aluminium cladding, it is calculated that 20% - 50% of the net heat gain caused by sunlight striking clear or tinted glass can be avoided. Due to their strength and light weight, Our range of cladding allow designs with less need for heavy support structures. This, in turn, creates the potential for valuable construction savings.

CEILING

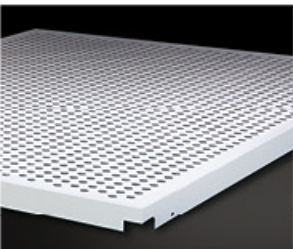


Square Panel Series

Clip-in-Ceiling 05

Lay-in-Ceiling 09

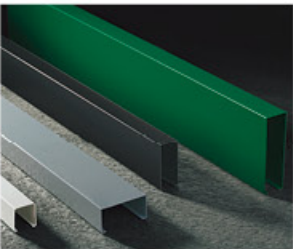
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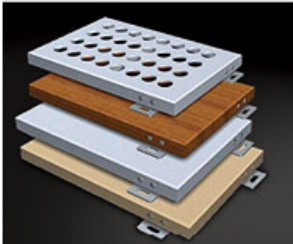
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CLADDING



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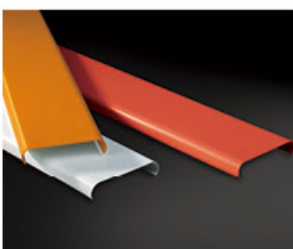
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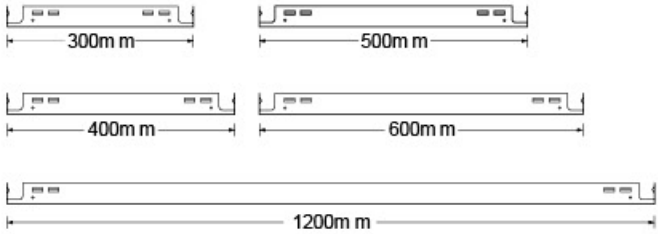
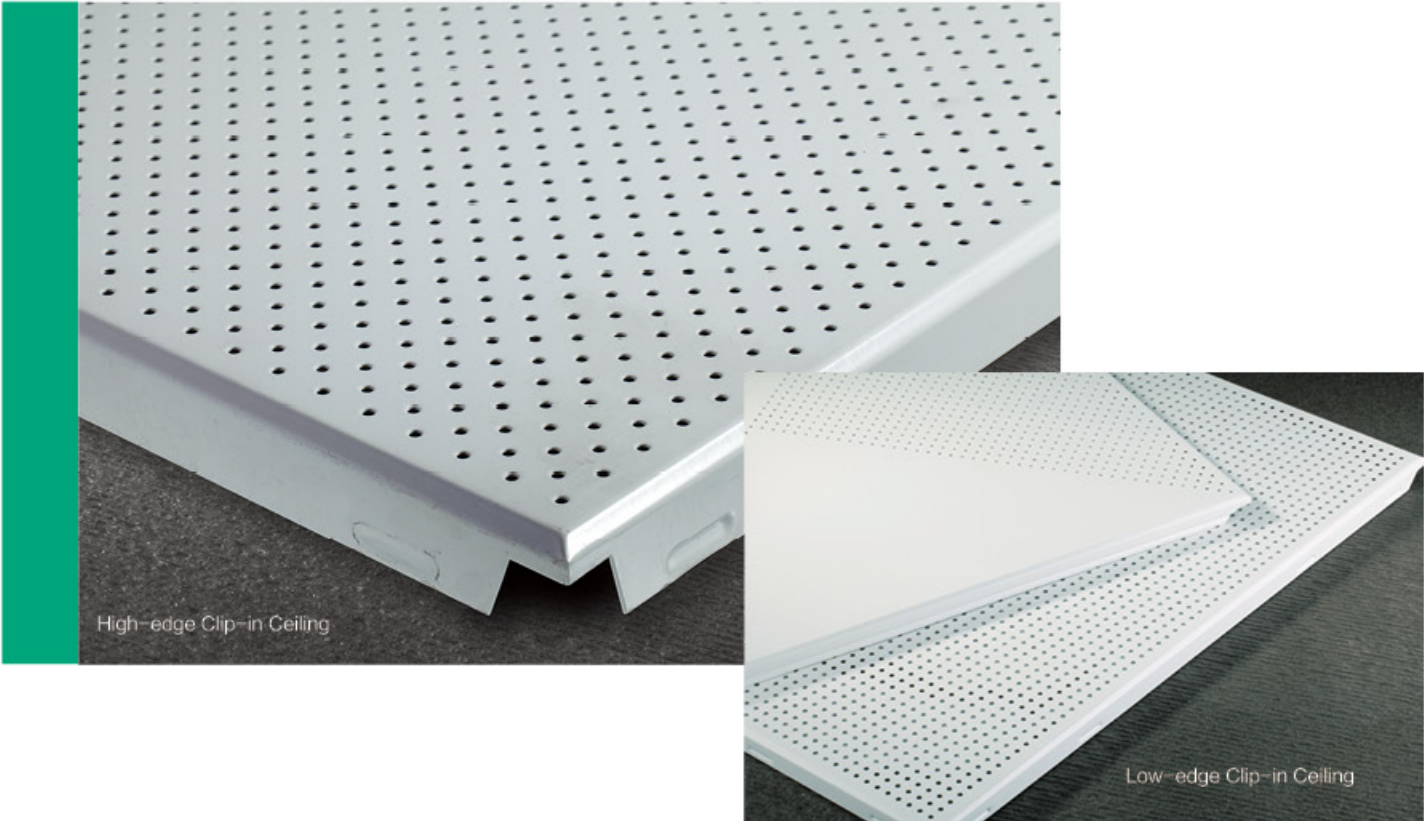


Modeling Panel Series 53



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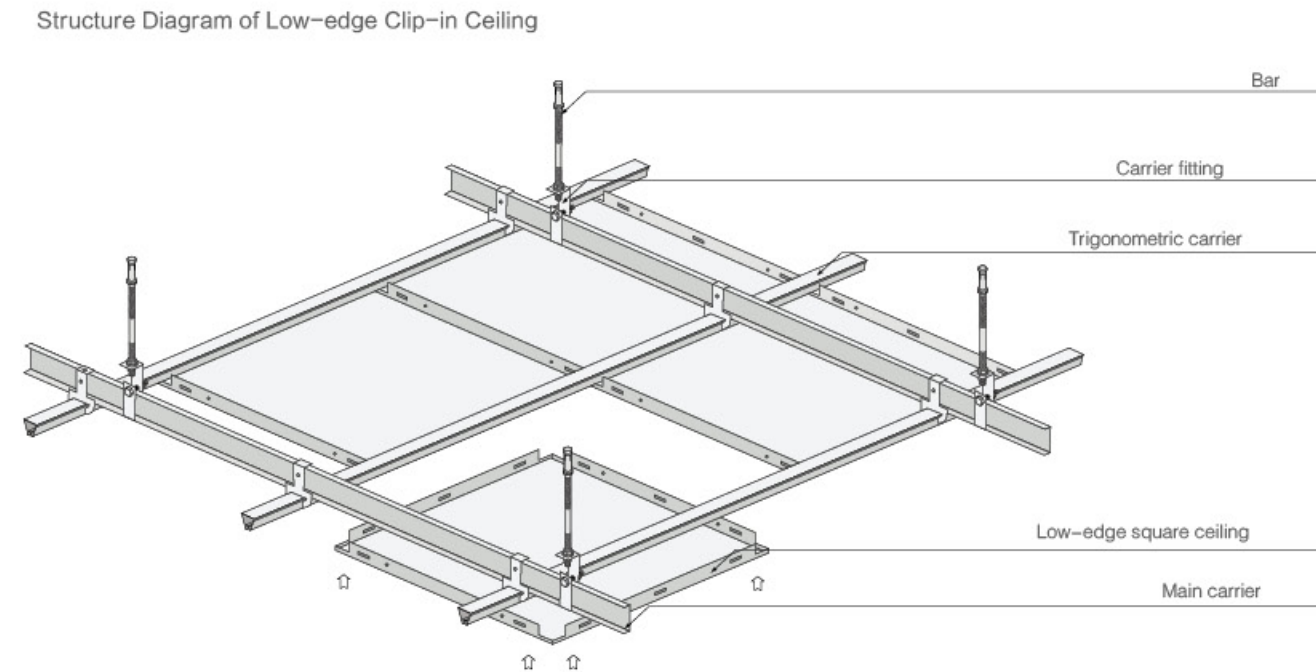
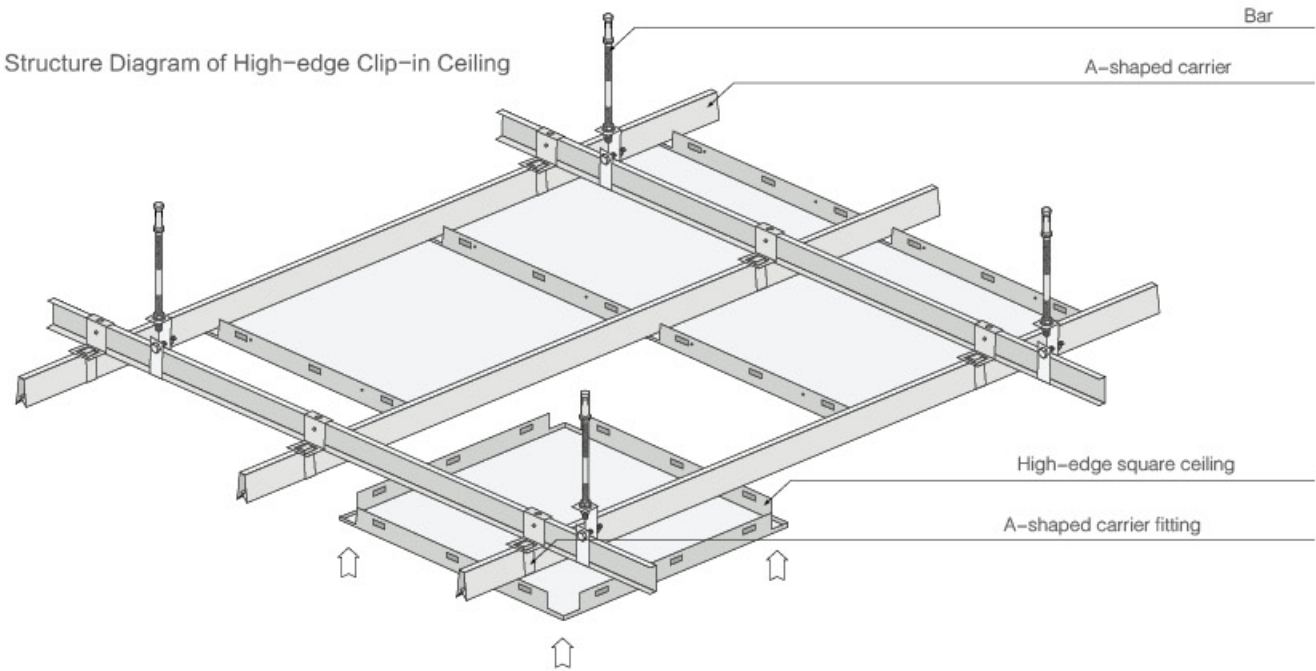
CLIP-IN CEILING SERIES



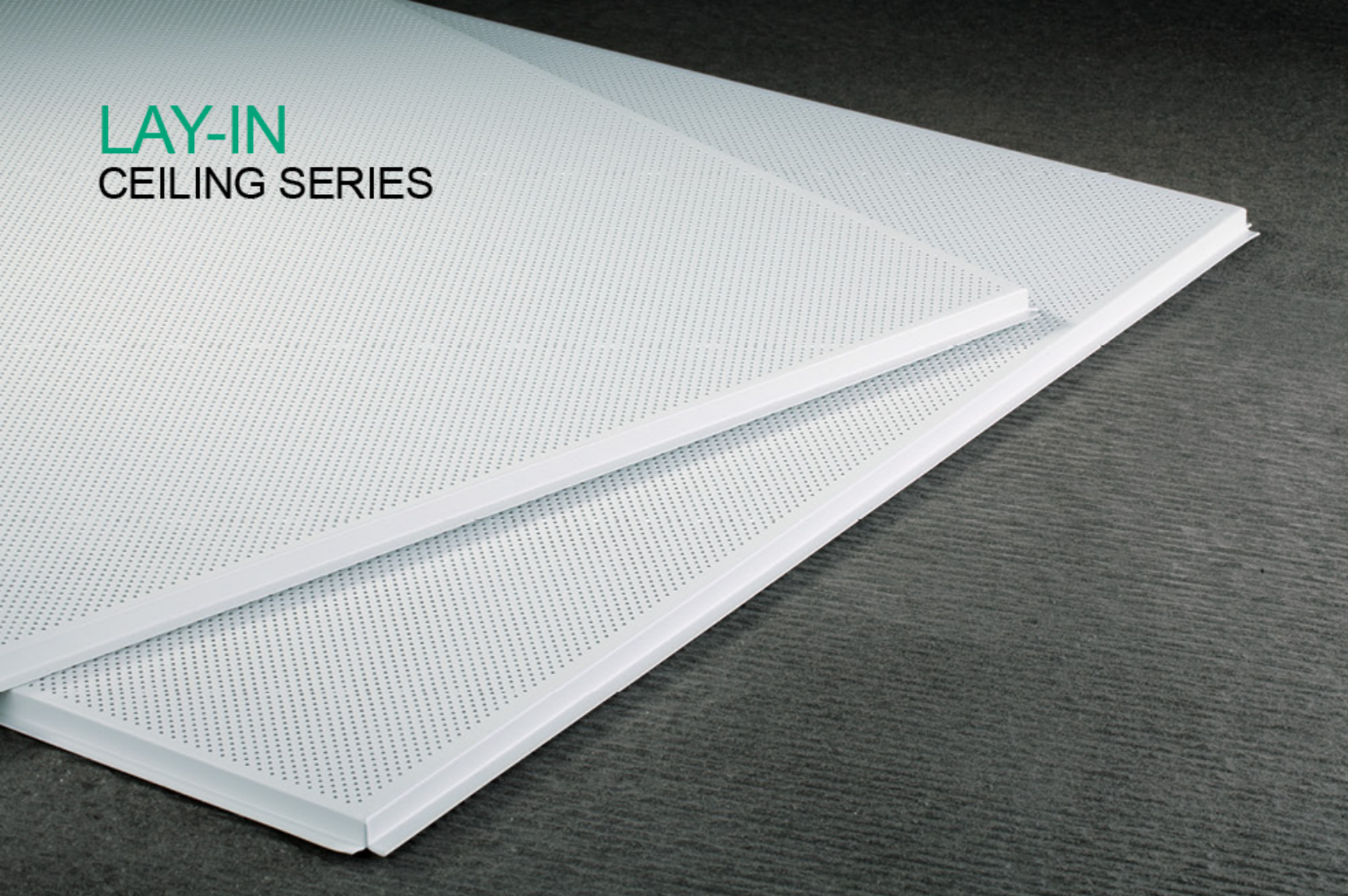
specification (W x L)	300 x 300mm 600 x 600mm 600 x 1200mm	400 x 400mm 300 x 600mm	500 x 500mm 300 x 1200mm
thickness(D)	0.6-1.2mm		
height(H)	25mm		
remarks	clip-in flat punching series		
A-shaped t-grid(H)	38mm	50mm	



CLIP-IN CEILING SERIES



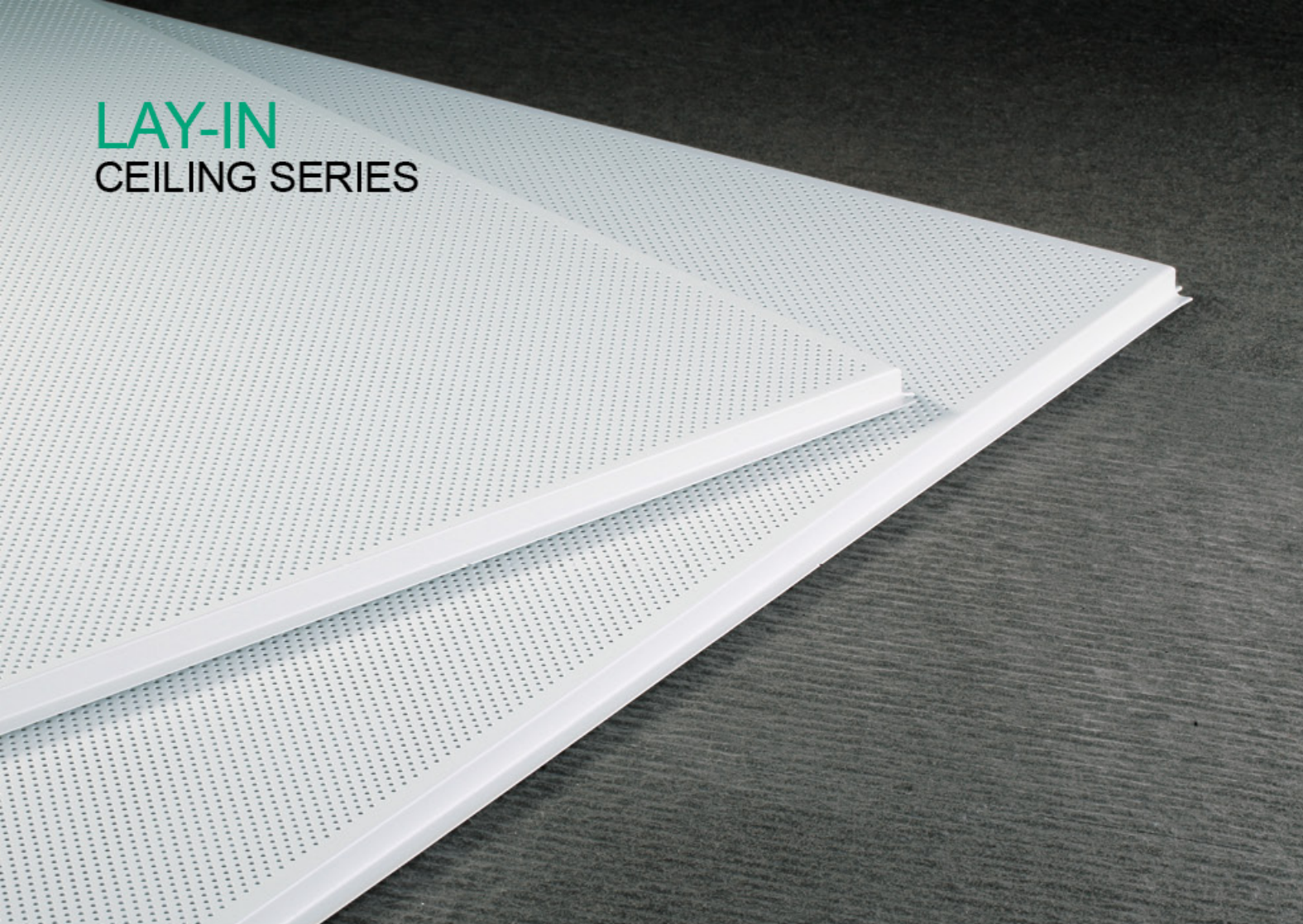
LAY-IN CEILING SERIES



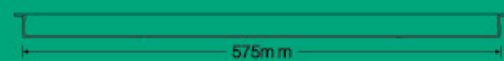
- The ridged square ceiling contains three parts: the panel system, the ridged carrier system, and the upper light steel carrier system. The ridged square ceiling is with a smooth surface, flowing lines and stronger third dimension. As every gusset plate can be installed and dismantled individually, it is very convenient to install, maintain, and clean. It also could create different effect with different lines by combination of lighting and air piece when designing.



LAY-IN CEILING SERIES



(W×L)	600x600mm (Pattern)
(D)	0.7mm
(H)	10mm
T-Bar Gap	25mm

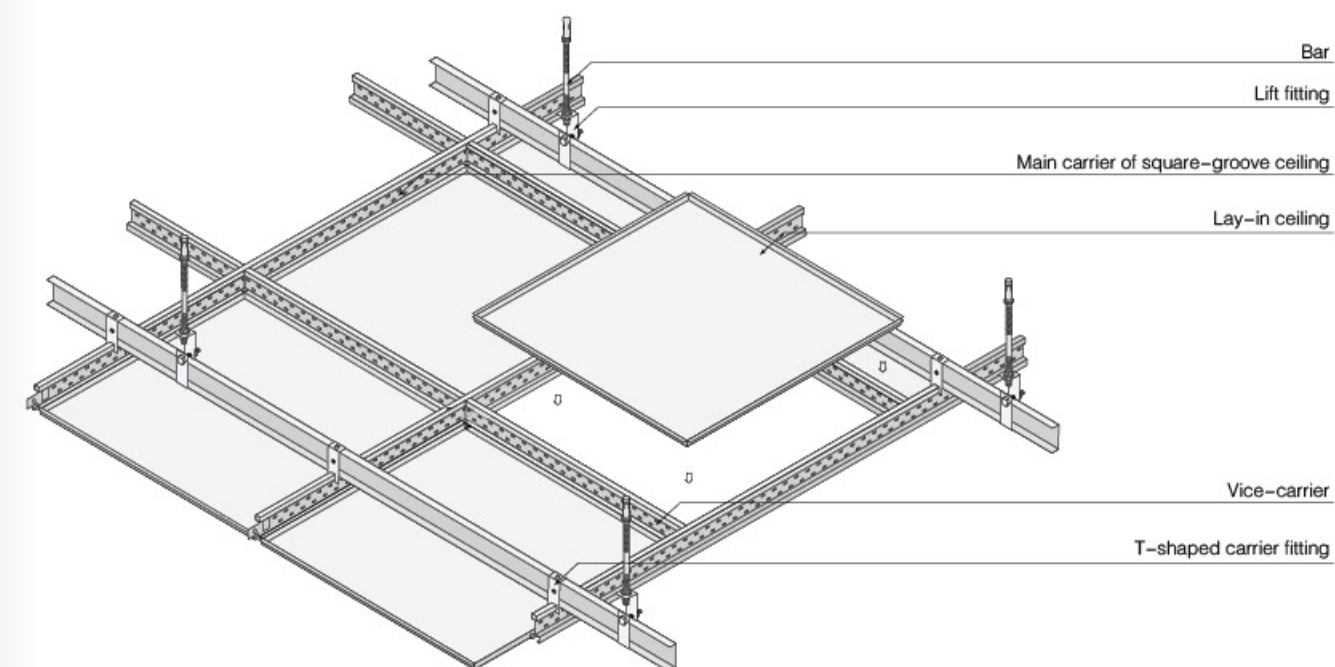


(W×L)	600x1200mm (Pattern)
(D)	0.7mm
(H)	10mm
T-Bar Gap	30mm

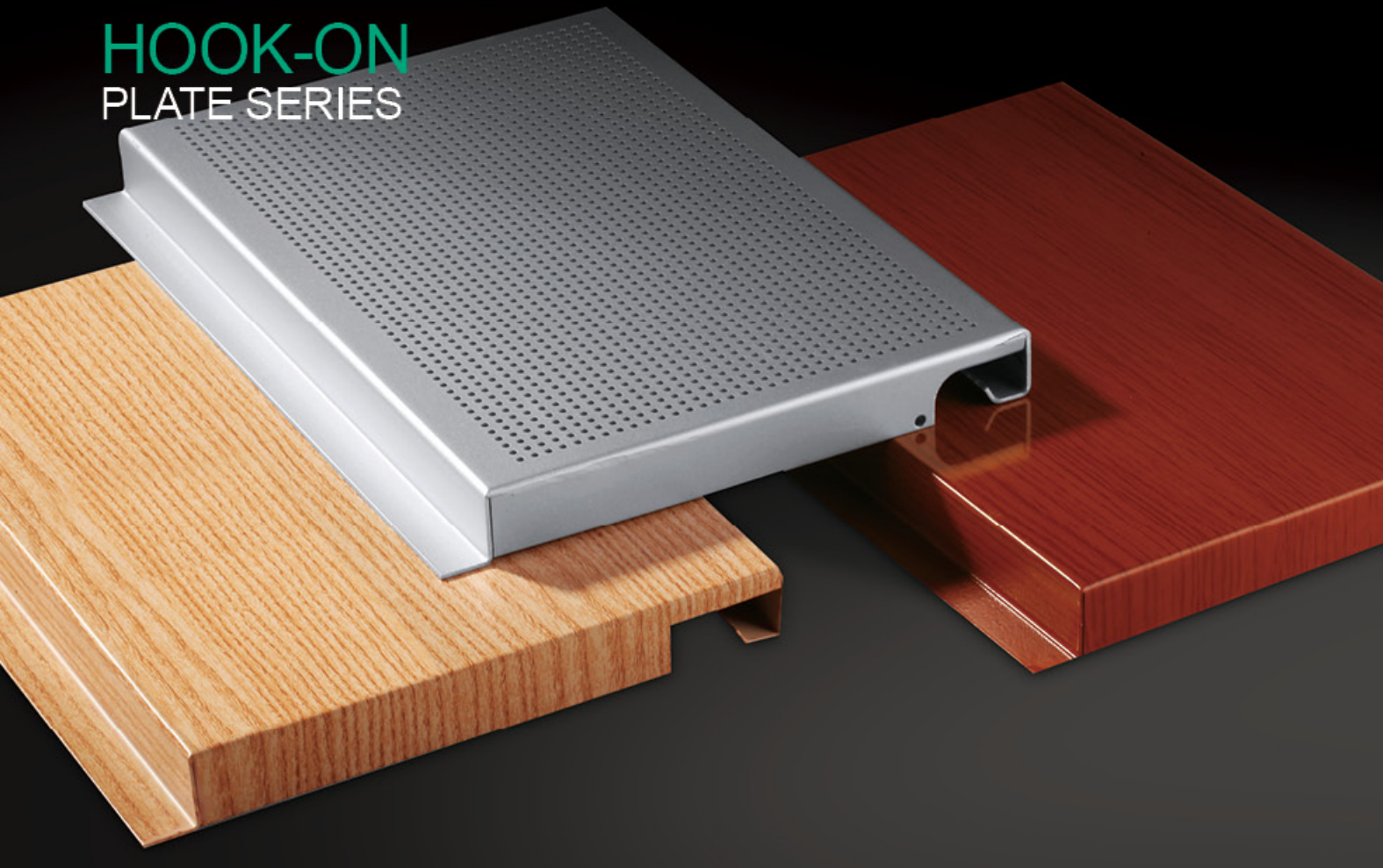
Right-edge of lay-in ceiling



Structure Diagram of Lay-in Ceiling



HOOK-ON PLATE SERIES



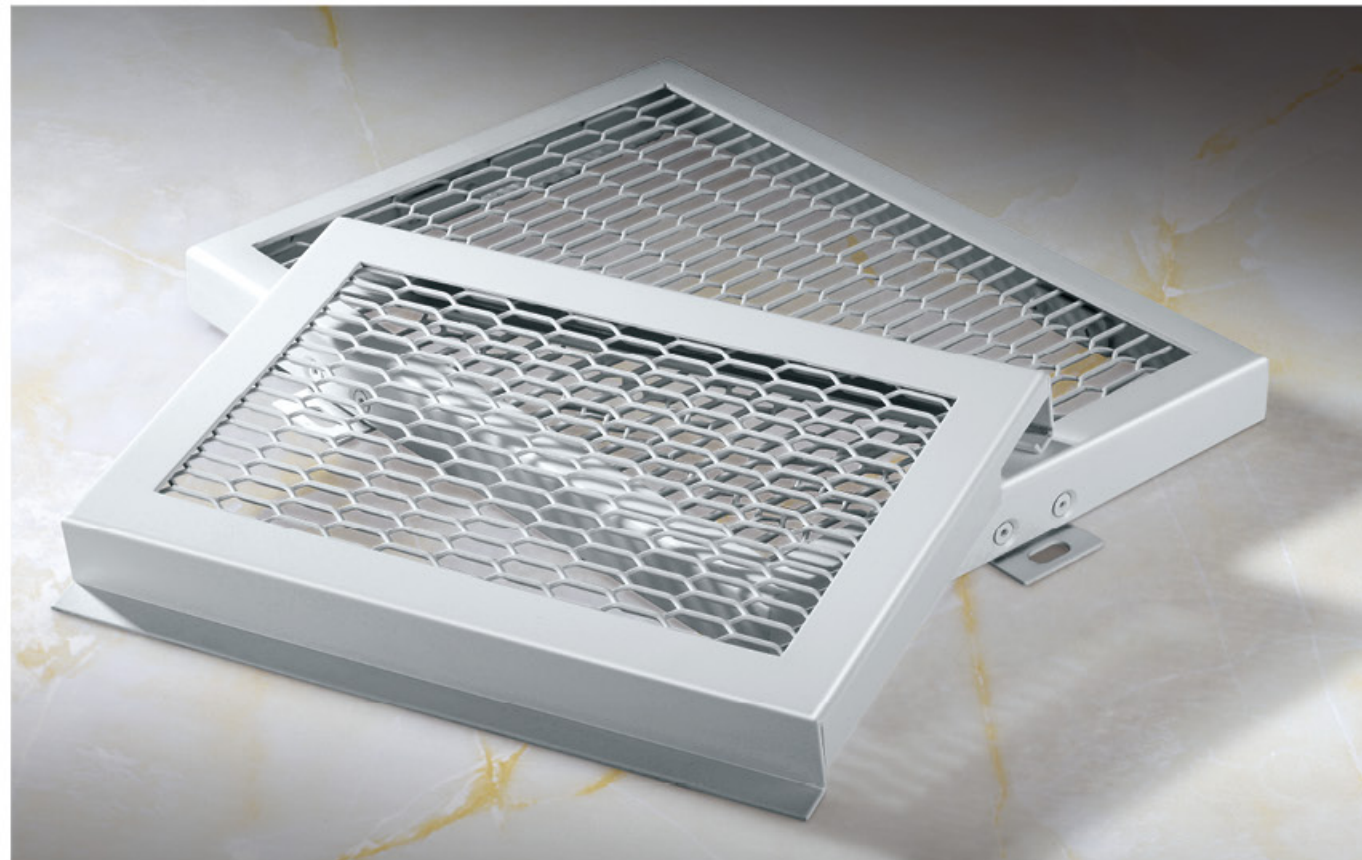
Features:

It's smooth surface show sense of fashion, bring about inspiration of modern designing. The delicate ceiling is flat and stable, could be installed and unloaded, it's easily finish it without any tool. On the other hand, it could be insert sound insulation cotton to create perfect sound-absorbing function.

Flexible in material adoption: compared to clip-in structure, it's thickness change from 1.2mm to 3.0mm, the size could be chosen by field design, which make up shortage of clip-in structure.



NET-CEILING

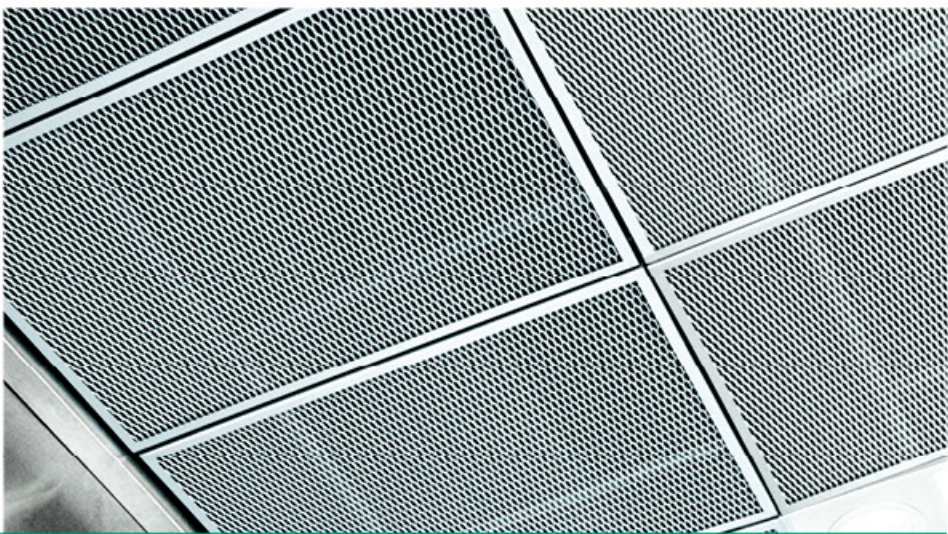


Features:

Net single aluminum plate with high grade aluminum alloy as the main material, according to the engineering design field size, shape and structure form through fluorine-carbon bending technology molding, to ensure that the plate can be smooth without deformation after machining, a high-grade decorative metal materials and the production of spacing ratio uniform mesh based on the surface fluorocarbon spray., do not need to be cut when in use, can be directly installed.

Scope of application:

Airport, subway, light rail, the station, exhibition hall, gymnasium, library, office buildings, commercial buildings and so.



CORRUGATED
CEILING

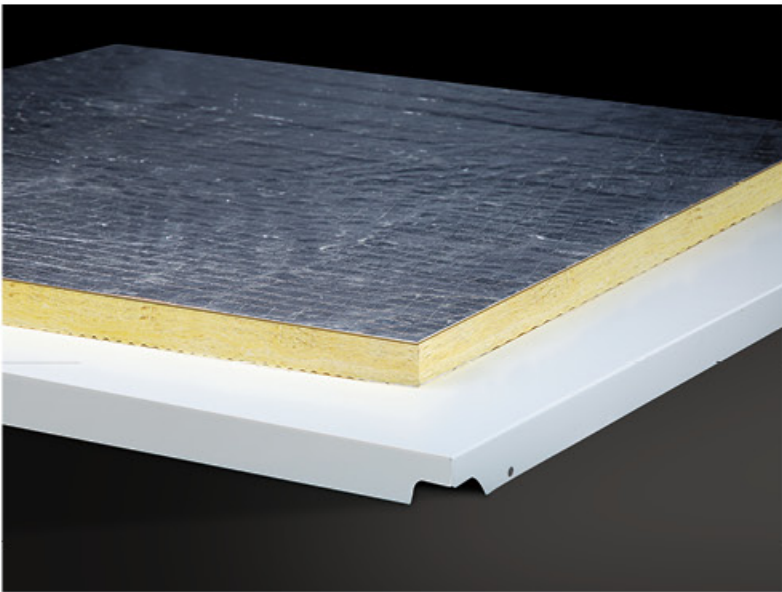


ACOUSTIC PANEL SERIES

Features:

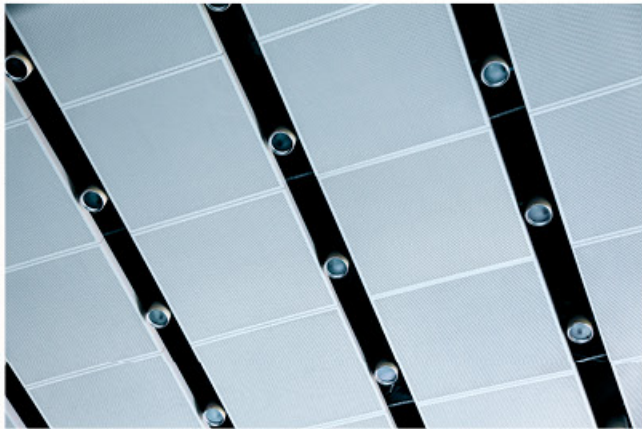
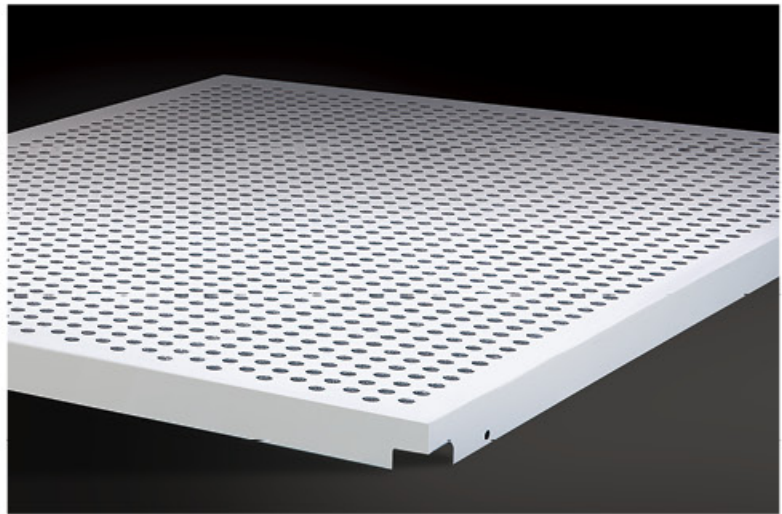
Nano ceiling is designed for ceiling system asks for artistic and sound-absorbing. Except the advantage of ceiling and wall, it also have excellent sound absorbing function. Every detail made by precise design, full of attraction, offer a new choice.

It have excellent effect on absorption of low, middle and high noisy, resistant to fire, powder pollution, strong in decoration, simple construction,



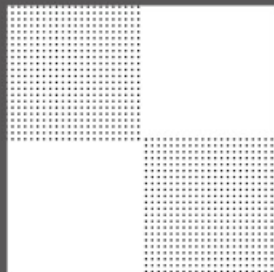
Scope of application:

Widely used in meeting room, TV station, studio, theater, opera house, entertainment center, hotel, multifunctional hall, music hall, bar, restaurant, shopping mall, school, assembly hall, gym and KTV.

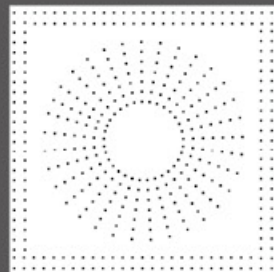




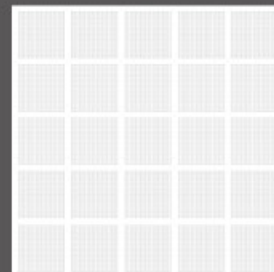
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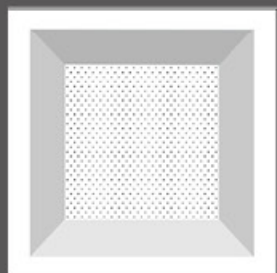
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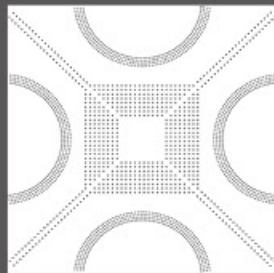
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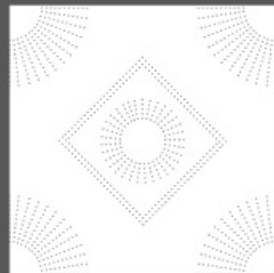
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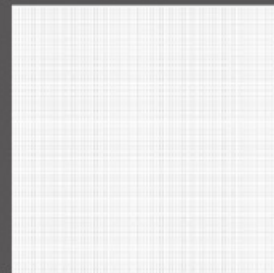
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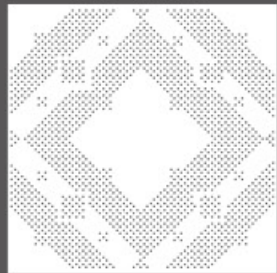
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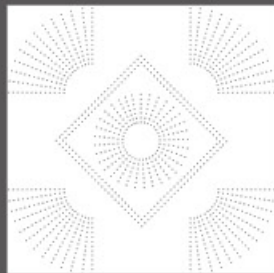
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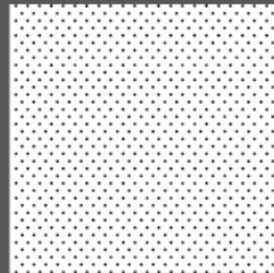
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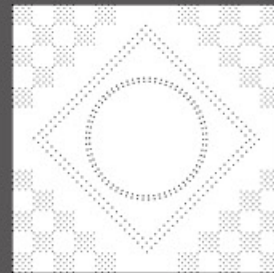
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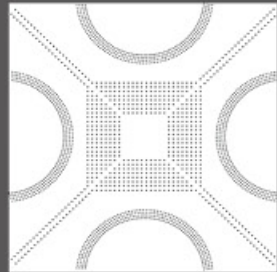
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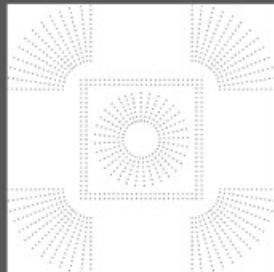
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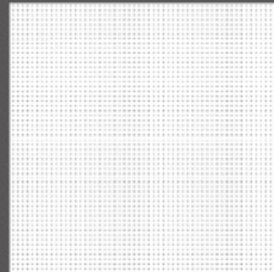
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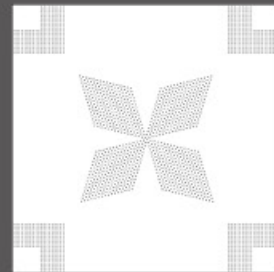
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Code:ST014



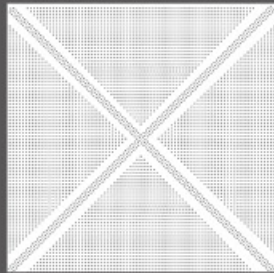
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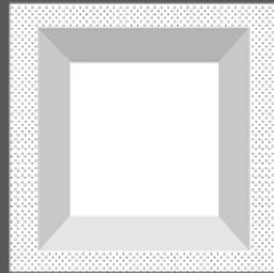
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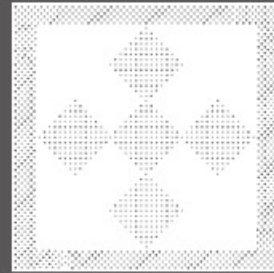
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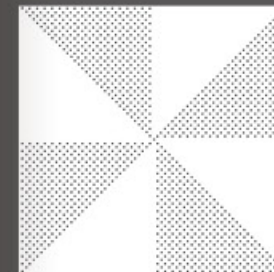
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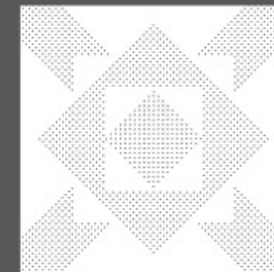
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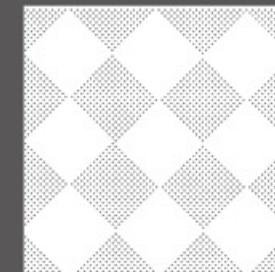
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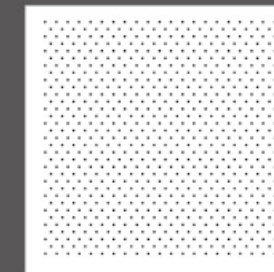
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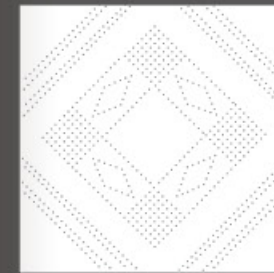
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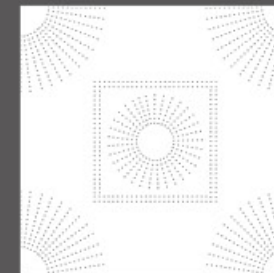
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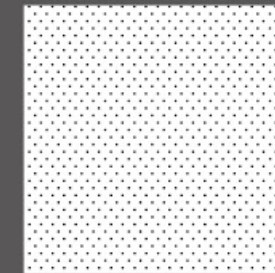
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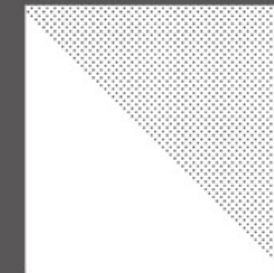
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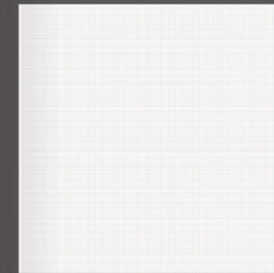
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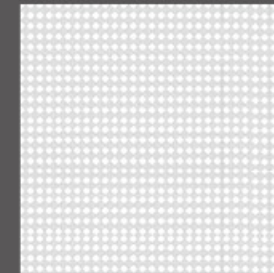
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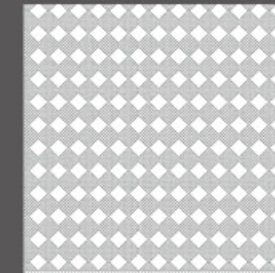
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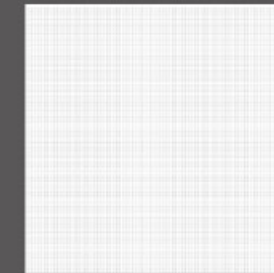
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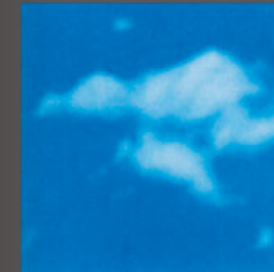
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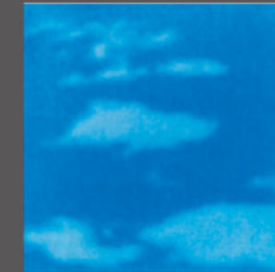
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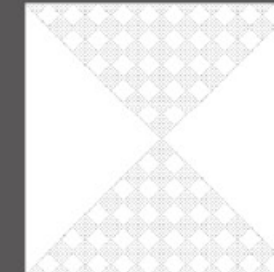
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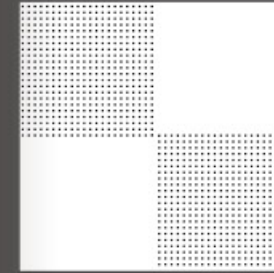
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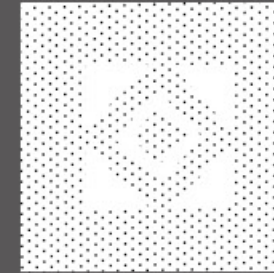
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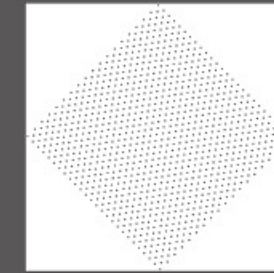
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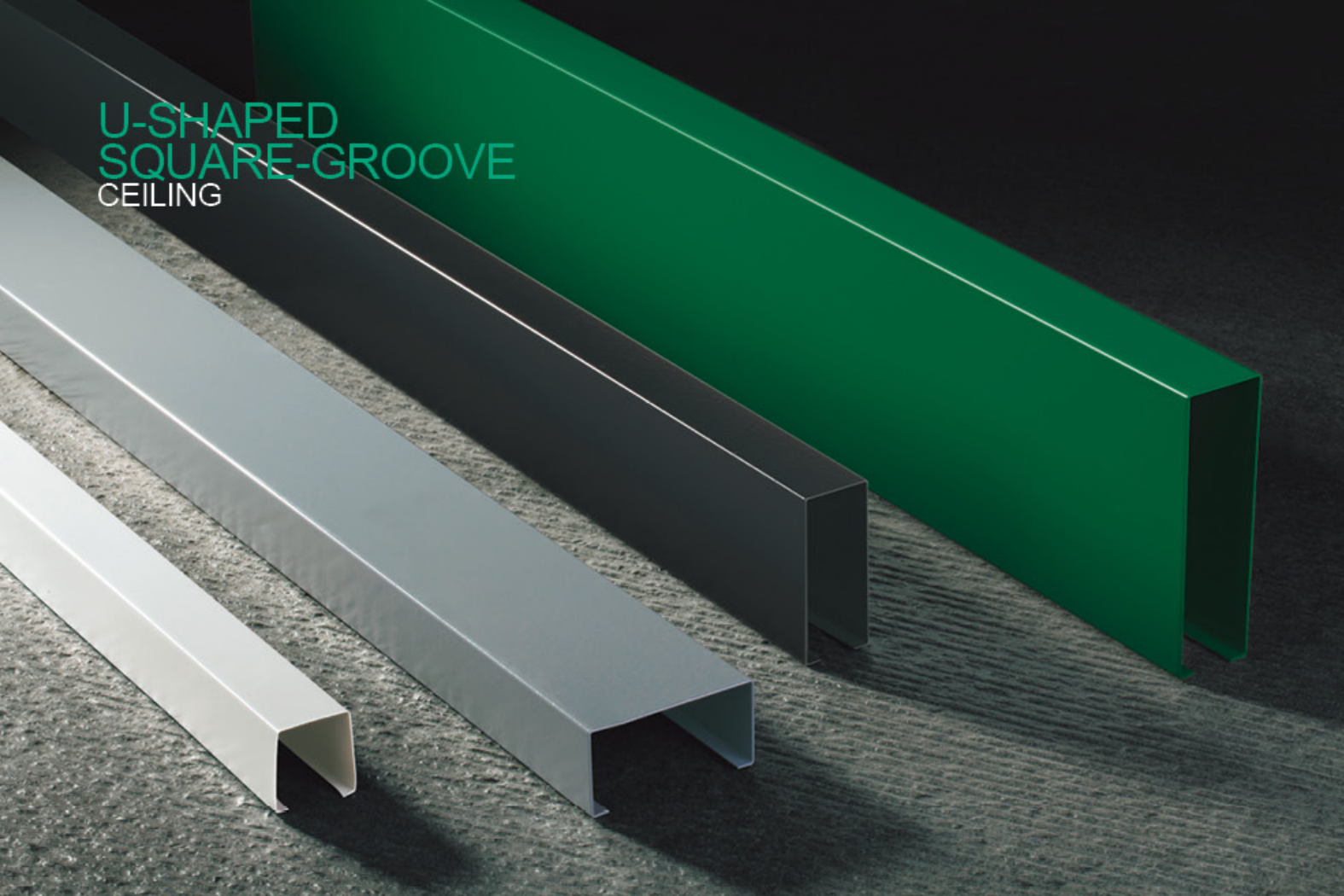


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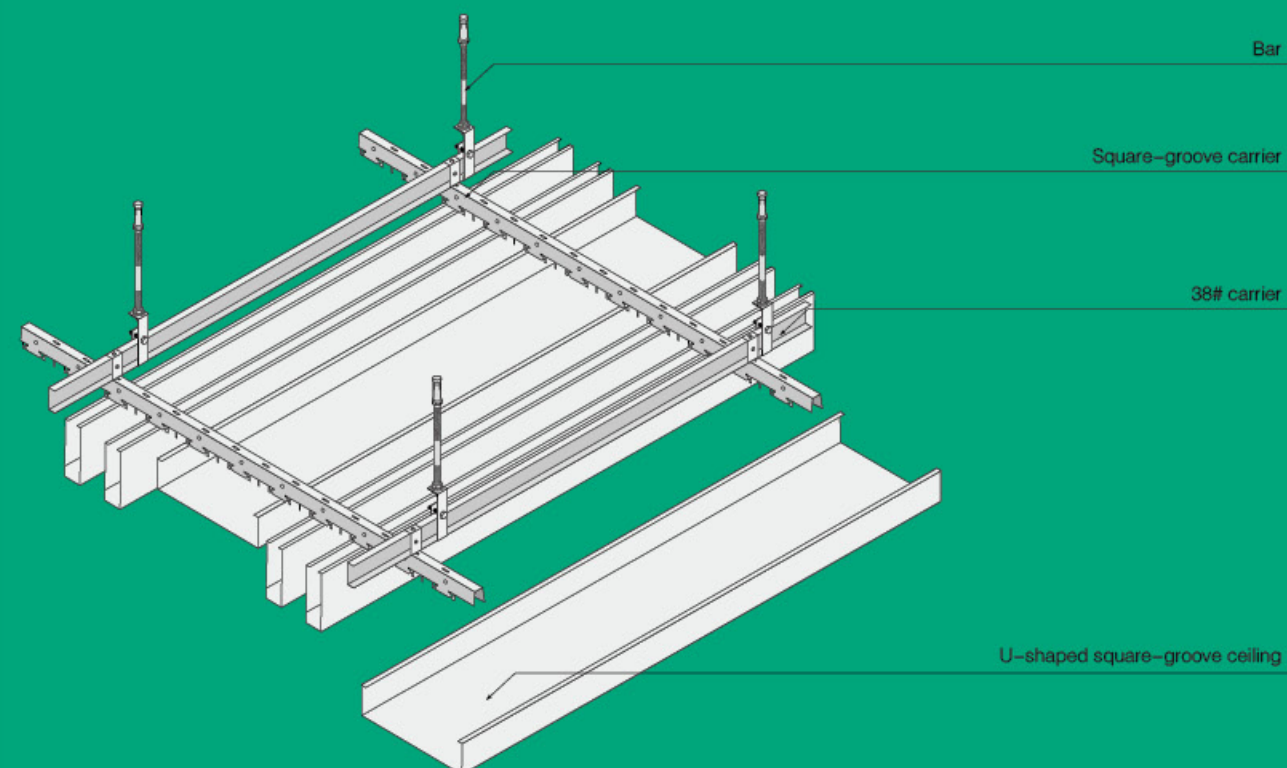
U-SHAPED SQUARE-GROOVE CEILING



(W)	25-300mm
(H)	200mm maximum
(D)	0.5-1.0mm
(L)	6m maximum



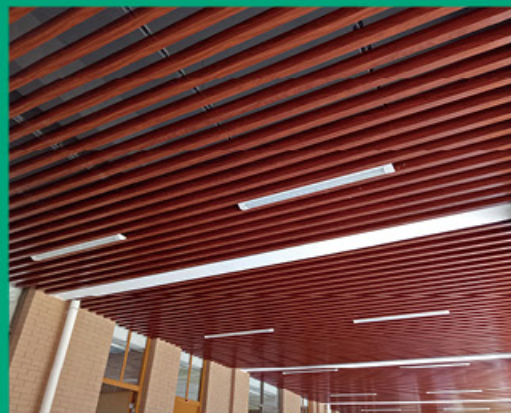
Structure Diagram of U-shaped
Square-groove Ceiling



U-SHAPED SQUARE-GROOVE CEILING



- U-Shaped square-groove belong to widen dyadic space and it's altitude is consistent, neatly side by side. The Arrangement that facilities beneficial to being ventilated,drenches with fighting fire gushing ventilated. And may coordinate with ridges system to use. U-Shaped square-groove connect solid,each document but many times linking up pretends to dismantle, easily various lamp and device match each other, conveniently maintain the equipment.At the same time,its' color and luster is homogeneously consistent ,put into use indoor can invariable in 10 years.
- Used in corridors, bars, libraries, clubs, squares, exhibition, subway, airports, shopping malls, office building and other places.

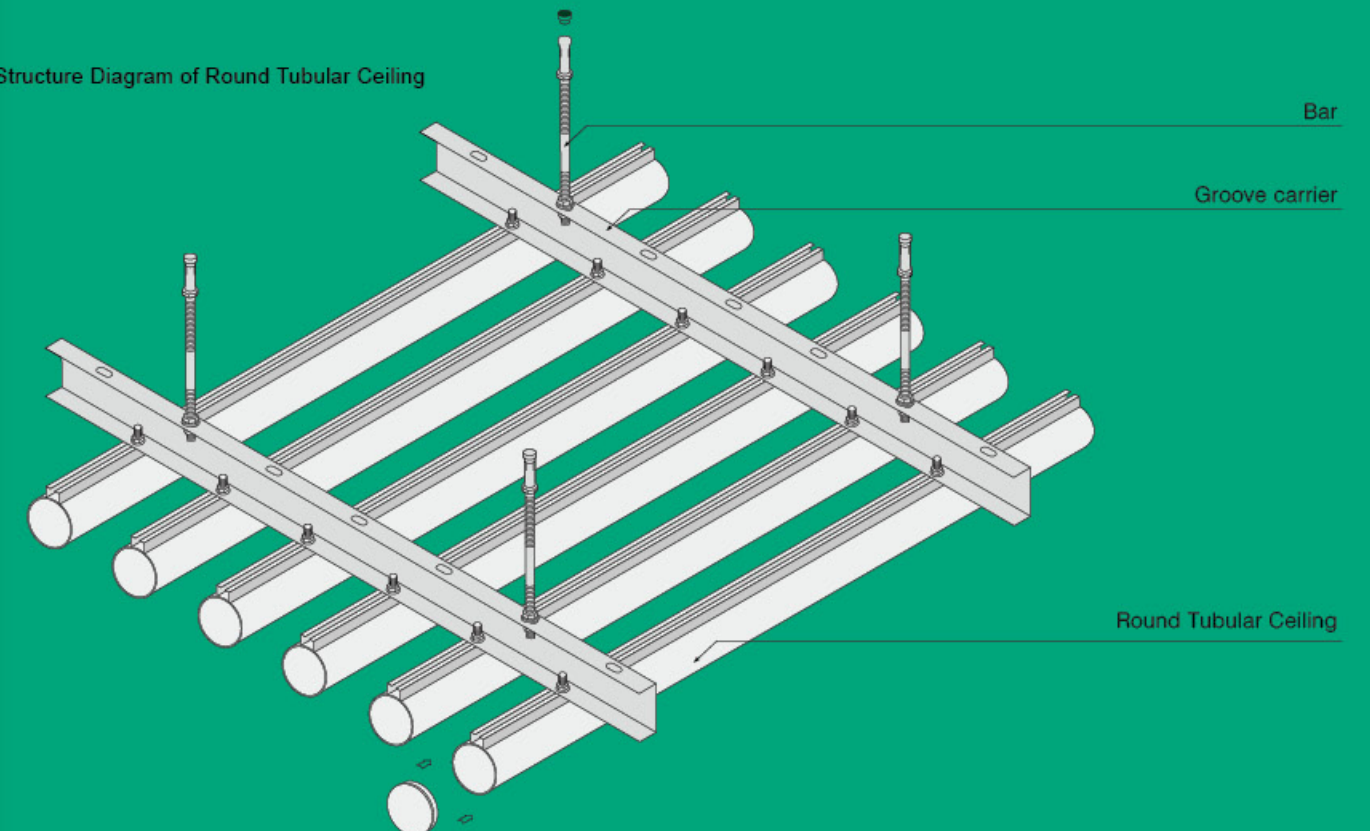


ROUND TUBULAR CEILING

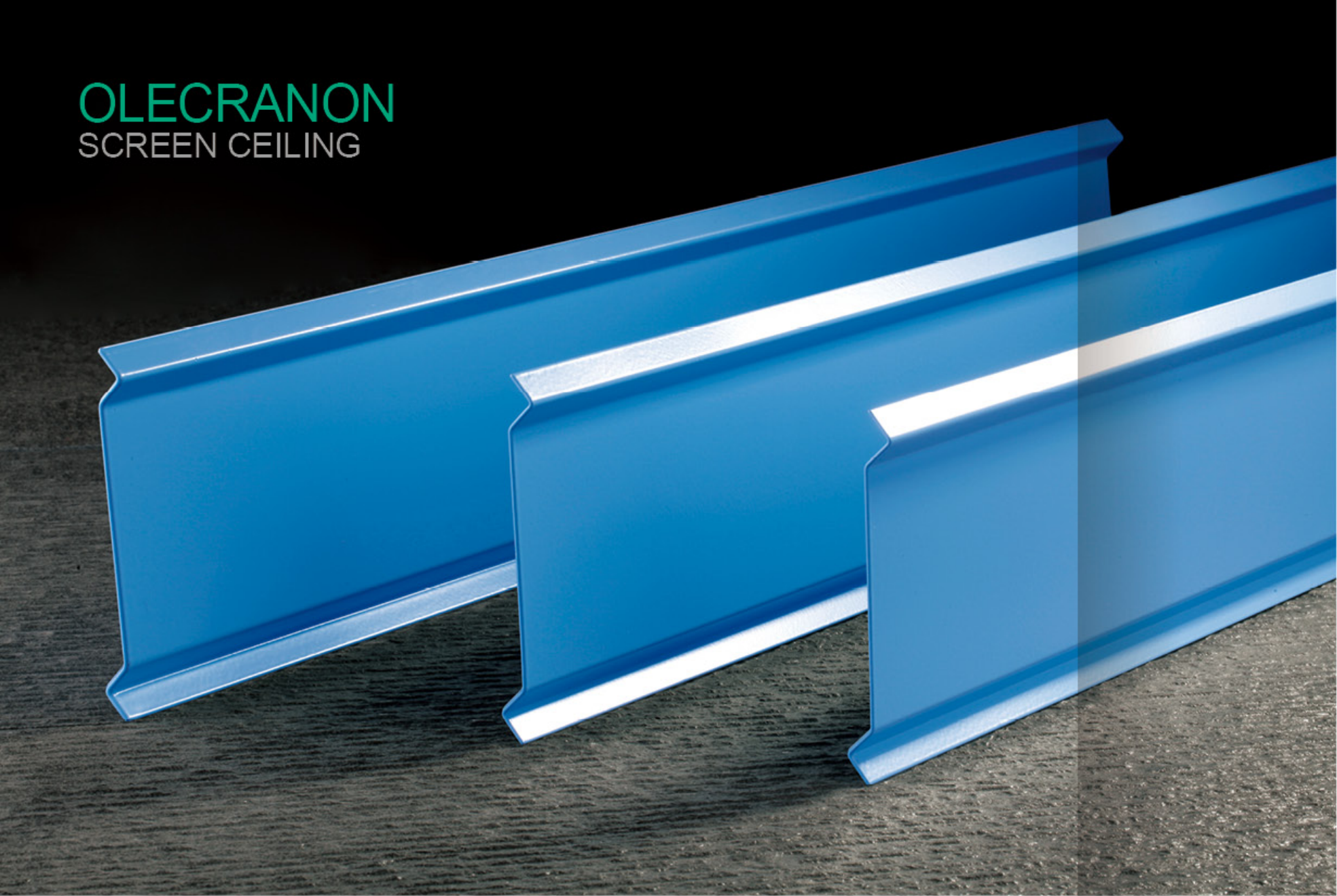
- Round tubular ceiling refers to the circular decoration structure,plain elegant,the streamline impact effect,may adjust the vision to be bad,does not affect sprays,the safety performance is good,does not have suppressive,gives up affectation,the return nature, appeal to both cultured and popular tastes.
- The essence casts becomes,exquisite making,match the unique visual effect,the open style structure,the field of vision is broad.



Structure Diagram of Round Tubular Ceiling



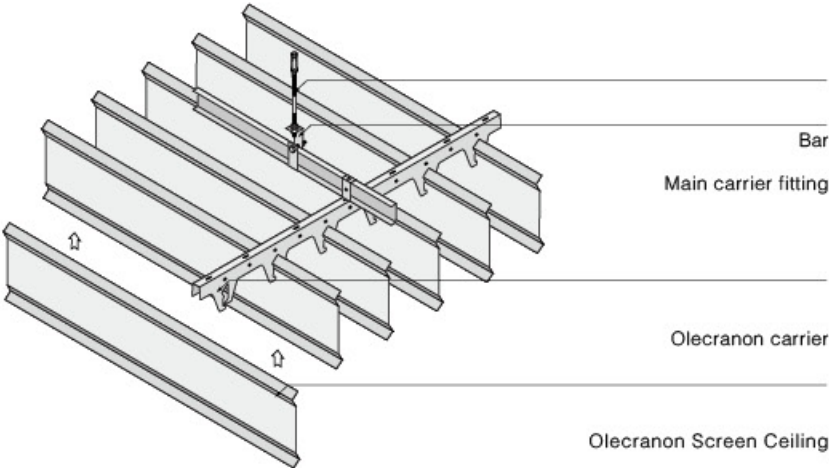
OLECRANON SCREEN CEILING



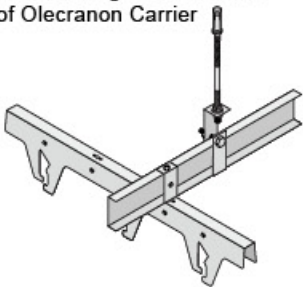
(H)	80mm 100mm 150mm 200mm
(D)	0.5-1.0mm
(L)	6m maximum

- It origins from aluminium alloy plates or punching plates, then coated by electrostatic powder coating, form right-angle structure. Olecranon-shape structure have security firm feeling.They are fireproof, moistureproof and sound-absorbing. It adopt straight cutting and freely to load and unload, convenient for maintain of wire, water pipe, lights and fire fighting device.
- Used to all kinds of large public buildings in the channel, airports, exhibition halls, shopping malls, station, tunnel corridors.

Structure Diagram of Olecranon Screen Ceiling



The Drawing of Installation of Olecranon Carrier



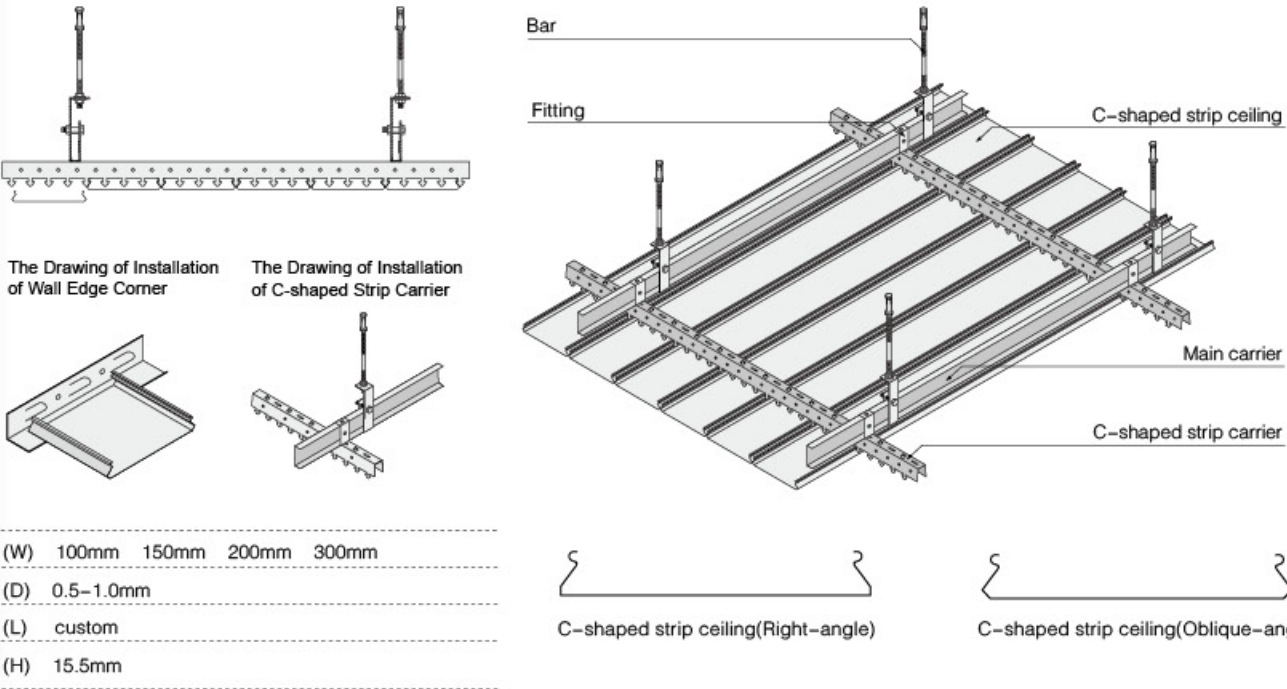
C-SHAPED STRIP CEILING



- C-shaped strip elongated strip distribution,board formation ,patchwork close,ridge distinct,can achieve a variety of combination of different widths.The entire ceiling system neat,generous,compact arrangement,perspective space,modern strong,and has a flame retardant, corrosion,moisture, the advantages of easy assembly and disassembly. Also can add a layer of perforated plate on the back cover or black flame-retardant cotton sound-absorbing tissue,the absorption can be achieve certain results.
- Used in shopping malls,hotels,office building, senior housing and other large,middle and small architectural decoration.



Structure Diagram of C-shaped Strip Ceiling



INDOOR ALUMINIUM WALL PANEL



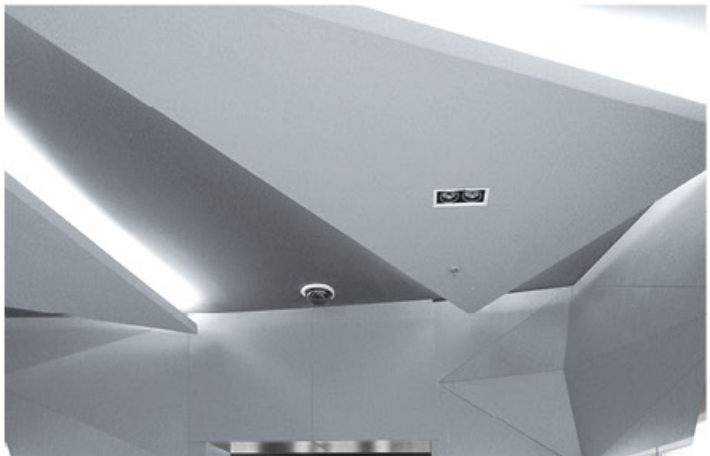
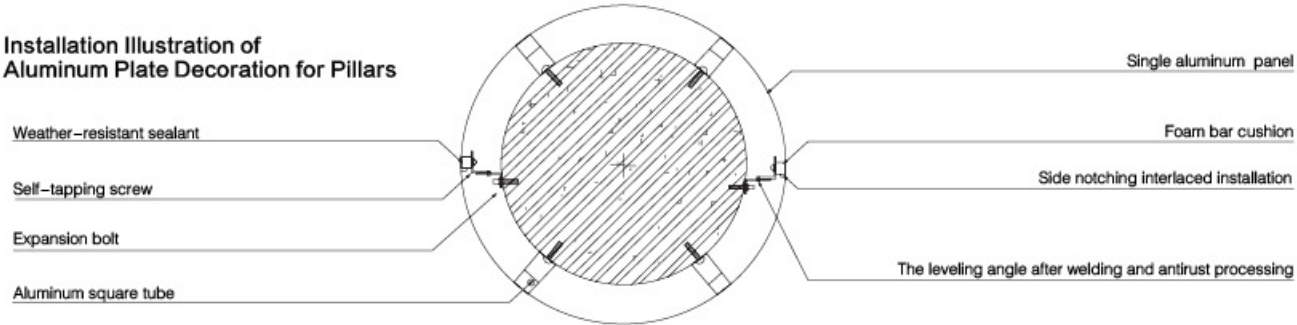
Features:

Indoor aluminum wall panel is taken high-intensity and superb AA grade aluminum alloy material as its original material, having been chromized, then to use fluorine-carbon spray coating to process. It will definitely show its modern and latest element to its design aspect, making its to have more modernized ideas.

Scope of application:

Beams, partitions package decoration, lobby facade, flat roof, interior walls, ceiling and other travel and big interior.

Installation Illustration of Aluminum Plate Decoration for Pillars



MARBLE HONEYCOMB PANEL



Features:

Intensity: it' s made of marble and aluminum honeycomb panel, that strengthen the intensity of resistance of bending, breaking and cutting, reduce damaged probability when transport, install and use. It also keep the main function of natural marble, could be use for long.

Enhance contamination resistance: the panel become more hard, the thin glue line is able to avoid besmirch or color-change on the surface of marble.

Light weight: the panels are light enough, as weight as one fifth to one tenth of marble, it' s the suitable ceiling among ceilings made of stone material.

Sound-absorbing and energy conservation: because of the hollow honeycomb core, the panel owns characteristics of sound-absorbing, damp-proof, heat insulation and cold-proof, and it' s able to save energy when used.

Scope of application:

Various places of wall, ground, windows, porch, desktop decoration,etc.

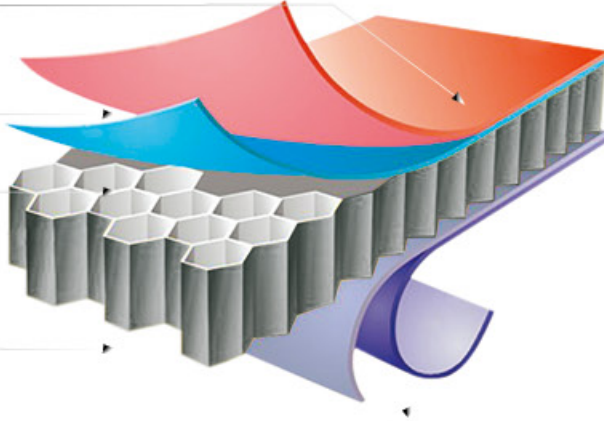
PVDF fluorocarbon resin coating

Aluminium alloy plate

Air adhesives

Aluminium honeycomb core

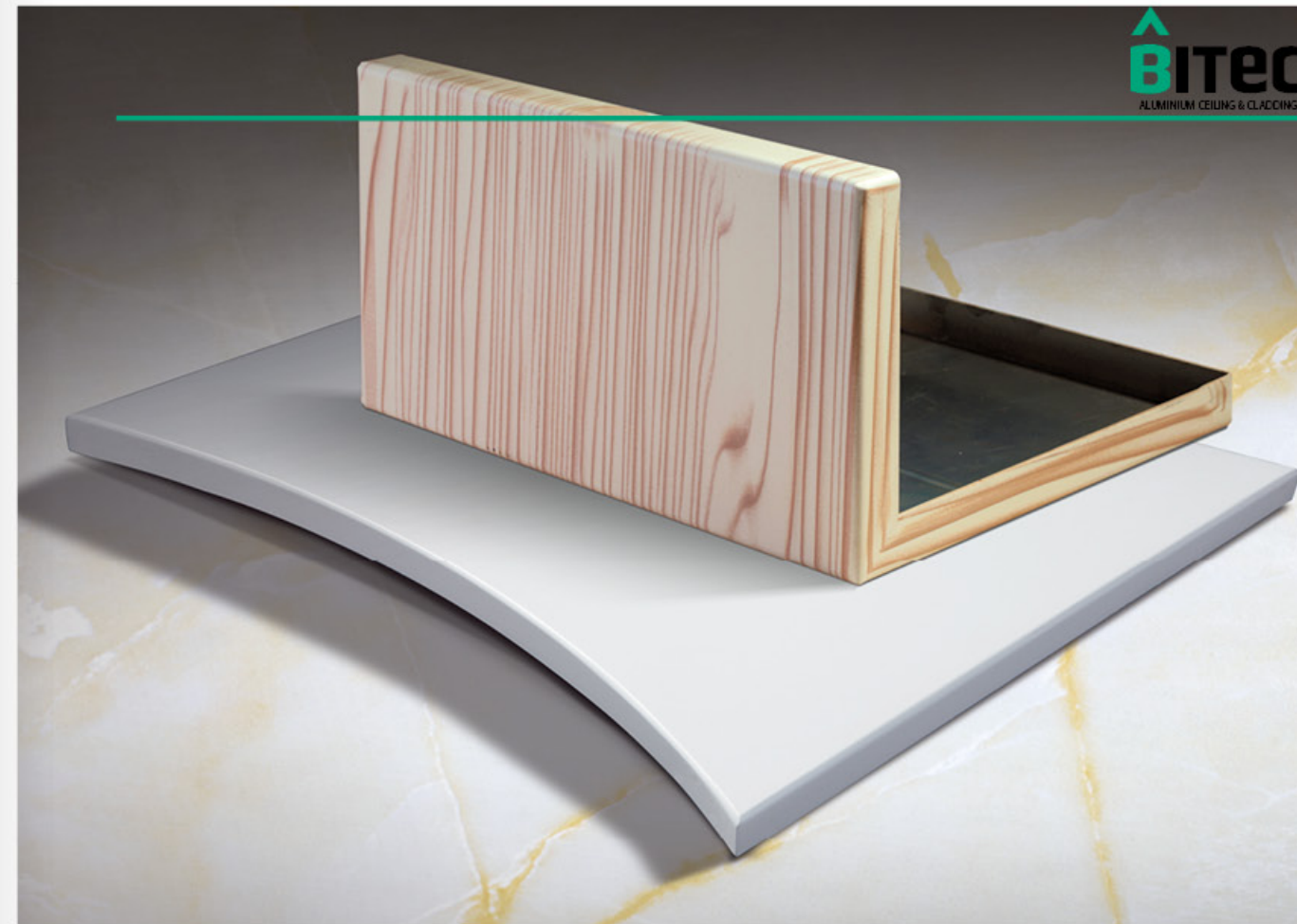
Protective back coating



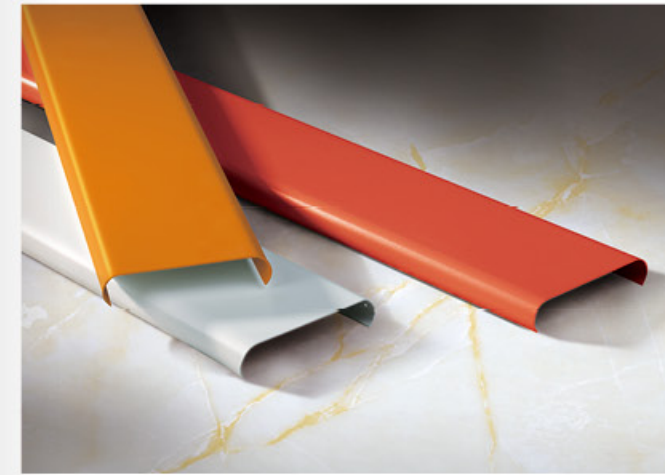
ART OF CARVING
DIGITAL PIERCING
SERIES



MODELING PANEL SERIES



SUN VISOR SERIES



Features:

Sunshade and heat preservation ; the aluminum alloy panels are adjustable between angle of 0 to 105, sunshade, light adjusting, ventilate, rain, wind and dust proofing. It can be install in both of horizontal and vertical ways, own heat preservation, noise reduction, play a role of anti-theft when close.

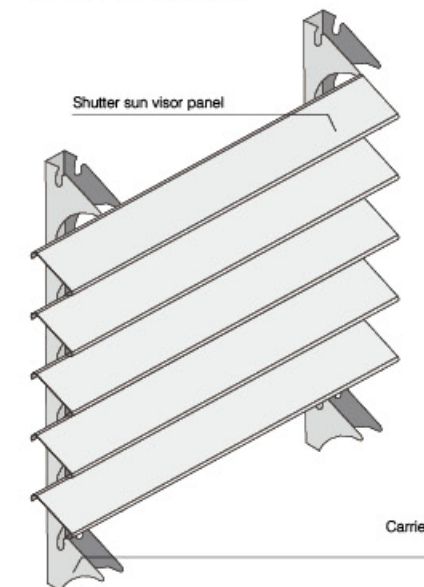
Environmental, anti-UV ray ; the application of the sun visor system make the whole building energy-saving and environmental, keep air transport and fresh, anti-UV ray, guarantee there is enough sunshine in the room, but not affect on appreciating scenery outside the window.

Functional and decorated ; the refine design, high quality, flexible shapes and bright colors make the system luxurious, which is appropriate match the style of the building, that enhance the image of the building, on the same time have sunshade effect.

Scope of application:

Widely used in shopping malls, exhibition halls, stations, subway stations and other places of the facade or top surface shading.

Structure Diagram
of Shutter Sun Visor Panel



Isometric View:
Vertical Carrier



Partial View:
Vertical Panel Carrier



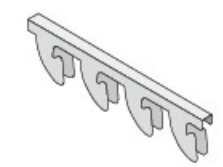
Partial View:

Sectional View of Outdoor Hanging Panel



Partial View:

Horizontal View



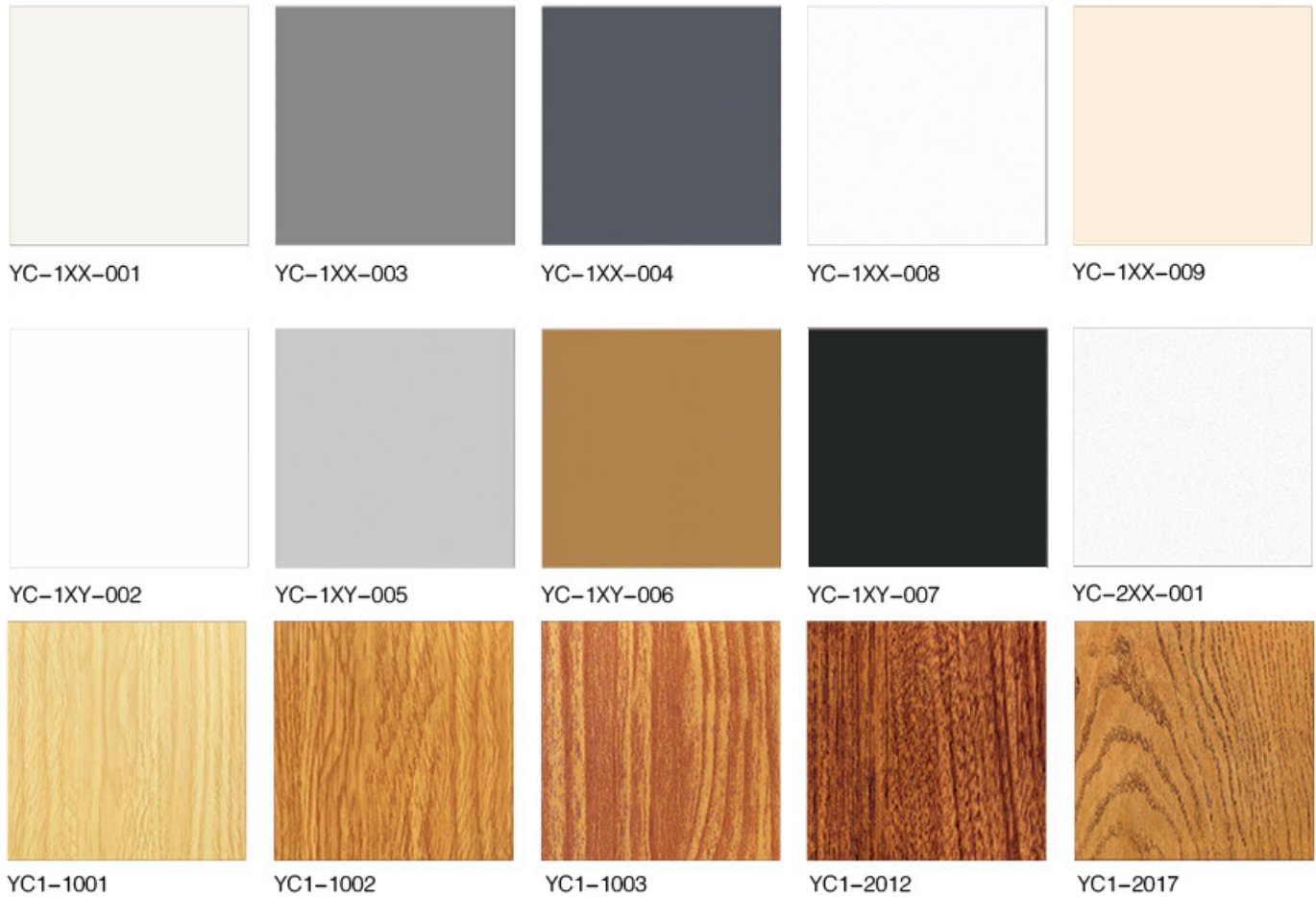
Side View:

Sectional View

ROLLER COAT COLOR CARD

[PURE COLOR SERIES / WOOD GRAIN SERIES / STONE PRINT SERIES / PRINTING SERIES]

PURE COLOR SERIES



Product	Aluminium Prepaint Coil and Aluminium Sheet
Alloy	1050,1060,1070,1145,1200,1235,3A21,3105,8011,3003
Status	O,H18,H24,H14,H16
Thickness(mm)	0.3~1.0
Width(mm)	1000~1300
Length(mm)	1000~4000
Technical Standard	GB/T3880~1997

	Prepaint	Powder Coated
Color Difference	1.The temperature difference is very small because of the height of the drying oven is just 30cm. 2.The temperature is fixed in one point in temperature curve when baking the surface of the sheet horizontally. Color difference not existed	1.The temperature difference is very big because of 150cm height of the drying oven. 2.The temperature is not fixed but change slightly when baking vertically. 3.Powder coating applied only after the product is formed. Therefore, surface of edge side should be painted by manual. Color difference existed
Flatness	Inner stress of the sheet will be released when it is baked. The flatness can be leveled before further process. Very-flat	Bake when the product is finished and inner stress can not be released. And flatness can not be assured. Not assured.
Smooth of Surface	Prepaint product is a kind of paint-printing coating and there is no grain and small hole on the surface. Very smooth	Powder Coated is a kind of electrostatic spraying, and there are many grains and small holes on the surface. Not smooth by comparison
Pollution	No pollution can be permeated because there is on grain and small hole on the surface. No pollution	Pollution can be permeated because there is grain and small holes on the surface. Can be polluted
Cleaning	The coated sheet can be easily cleaned by water because there is no pollution and surface is very smooth. Easy to be cleaned	Pollution is hardly cleaned years later because there are grains and holes. Difficult to be cleaned
Wearability	Prepaint is made from two-layer paint coating and paint coating make no grain. Well wearability	Coating is made by three times painting and baking, the coat(powder) is made of grains. Not good wearability by comparison
Thickness of Coat	Because of paint coating, the surface of the sheet will be uniformly forced. Therefore, The error of the thickness for prepaint product is smaller than 0.5μ Thickness is average	The powder coating is not average on the surface because of electrostatic spraying, the error of the thickness is about 7μ. (One of the reason lead to color difference) Not average