BRUNO home

Decorative Stainless Steel Shee

Product Brochure

Stainless Steel T Profile

Stainless Steel Trim/Profile

Metal Cabinet

Commercial Entrance Door

Decorative Stainless Steel Shee

Metal Ceiling

Metal Cladding

Metal Signage

Water Ripple Stainless Steel Board

Metal Divider/Partition/Screen

INTERIOR AND EXTERIOR ALUMINUM CLADDING PANEL

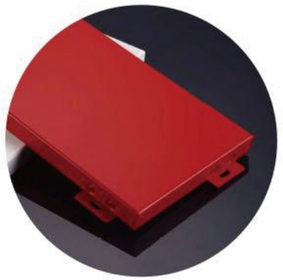
A



As a kind of external wall decoration material is commonly used inbuilding decoration industry, aluminum veneer gradually becomes amember of a strong, is widely applied in the field of interior walls.Aluminum panel is its outstanding advantages, more and more getof the market.



Aluminum Cladding Panel



About Aluminium claddina Pahe

Aluminum curtain wall panel of high quality aluminum machining, surface withflu-orocarbon spraying, from ultraviolet light, temperature, air temperature and atmo-sphericerosion, but also has a good degree and excellent anti-bending perfor-mance of windpressure, and can play its characteristics, usage of secondary devel-opment.

Aluminum curtain wall panel owns the characteristics: light weight, high strength,waterproof, anti-pollution, fire, corrosion, processing performance, low maintance costand long life. Panel can be processed into a variety of curved alumi-num and shapedthe surface can be painted with different colors on the wall form-ing a variety of beautifulpatterns; and glass curtain wall can be combined into different physical appearance,making the building more noble and elegant.



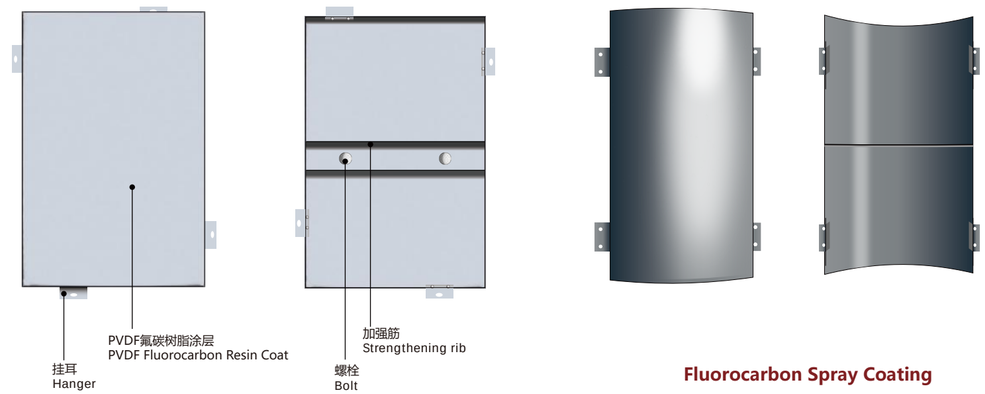
The Scope Of Application Of Aluminum Panel

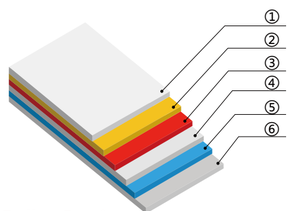
Aluminum curtain wall panel is applied to a variety of interior and exterior wall, lobbyfacade, awning, decorative columns, elevated corridors, pedestrian bridges, elevatorspackage edge, balcony, advertising signs, interior decoration and other special-shapedceiling.



The Material Composition And Structure Of Aluminum Panel

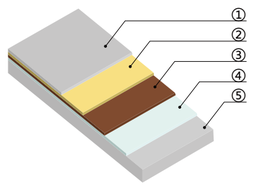
Aluminum pane! is made of high qualty and high strength aluminum panel. ts commonly used thickness is 2.0mm, 2.5mm, 3.0mm, model is 2003state is H24. Maximum size of 1220mmx2400mm conventional materials, and its structure is mainly composed of front-panel,reinforced rib, andangle code. Angie code can be directly by the front-panel bending or stamping forming; angie bracket aiso can be formed by riveting angle on thefront-panel's flanging. Reinforced rib is iointed with electric welding bolt behind plate, make it become a solid whole, greatiy enhance the strenatiand rigidity of aluminum veneer. Ensures its flatness and anti-seismic ability during long-term use. If need additional sound insulation and heatpreservation effects, the special materials can be fixed inside the aluminum sheet.





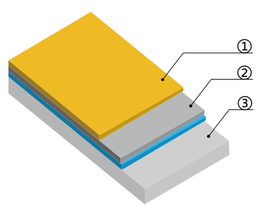
Roller Coating

①面漆层/Top coat
②底漆层/Primer layer
③铝板铬化预处理/Chroming pretreatment of aluminum plate
④铝板层/Aluminum plate layer
⑤铝板铬化预处理/Aluminum chroming pretreatment
⑥底漆层/Primer layer



Fluorocarbon Spray Coating

①清漆涂层/Varnish coating
②颜色面漆/Color top coat
③底层漆/Base coat
④铝板铬化预处理层/Aluminum chroming pretreatment layer
⑤铝合金面板/Aluminum alloy panel



Powder Spray Coating

①粉末层/powder Layer
②铝板铬化预处理/chromating Pretreatment Of Aluminum Plate
③铝合金面板/aluminum Alloy Panel

Aluminum Veneer Performance

铝合金型号/Aluminum Model	抗拉强度/tensile strength	屈服强度/yield strength	延伸率%/Elongation %	折弯内侧半径（厚度为2mm）Bending inner radius (2mm thickness)
A5052H24	230-280	180	≥5	R=2mm×2.5
A3003H24	210-265	180	≥4	R=2mmX2

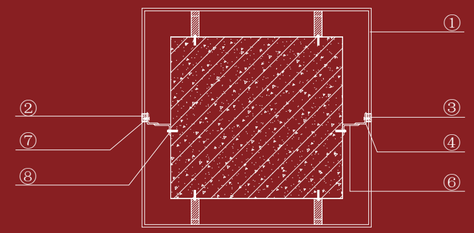
其它品牌铝合金板性能

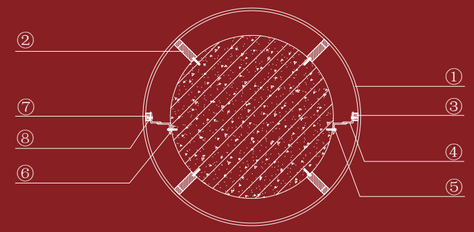
Functions Of Other Brands Aluminum Alloy

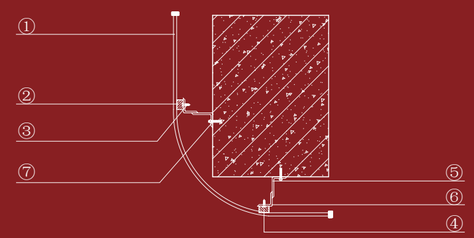
铝合金型号/Aluminum Model	抗拉强度/tensile strength	屈服强度/yield strength	延伸率%/Elongation %	折弯内侧半径（厚度为2mm）Bending inner radius (2mm thickness)
A1050H24	100-145	80	≥4	R=2mmX1
A1200H24	110-150	90	≥4	R=2mmX1
A3004H24	220-265	170	≥4	R=2mmX1.5
A3005H24	165-215	135	≥3	R=2mmX1.5
A5754H24	220-270	140	≥6	R=2mmX1.5

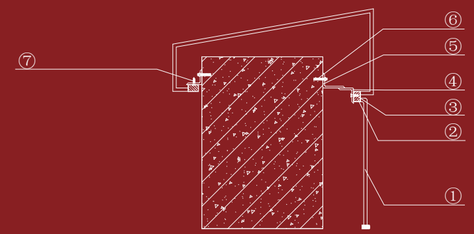
检测项目Item	检测内容Content of testing		技术要求Technical Requirements
几何尺寸 Geometric dimensions	长宽尺寸/Length and width dimensions		<2000mm，允许偏差Tolerance±1.0mm
			>2000mm，允许偏差Tolerance±1.5mm
	对角线/Diagonal		<2000mm，允许偏差Tolerance±2.0mm
			>2000mm，允许偏差Tolerance±3.0mm
	平面度/Flatness		允许偏差Tolerance<1.5mm/1.5m
氟碳涂层Fluorocarbon Coating	干膜平均膜厚/Average dry film thickness		二涂2 Layers ≥30um,三涂 3 Layers ≥40um,四涂 4 Layers≥55um
	色差 /Color Difference		目视检查无明显色差或单色涂料用电脑色差计测试△E<2NBS
	光泽度/Glossiness		极限值的误差 Tolerance±5
	铅笔硬度/Pencil hardness		>土IH
	干附着力/Dry adhesion		画格法、100/100，达0级 Grid method, 100/100, Up to 0 poles
	耐冲力（正面冲击）/Impact resistance (frontal impact)		50kg f.cm（490N.cm），无裂痕、无脱漆No cracks, No peeling paint
	耐化学性 Chemical Resistance	耐盐酸/Hydrochloric acid	15 Min 点滴 Drip，无气泡 No bubbles
		耐硝酸/Nitric acid resistant	颜色变化 Color Change AE<5NBS
		耐砂浆/Resistant to mortar	24小时无任何变化 No change for 24 hours
		耐洗涤剂/Resistant to detergents	72 Hours 无气泡，无脱落 Without bubbles, No peeling
	耐腐蚀性 Corrosion Resistance	耐潮湿/Resistant to humidity	4000 Hours，达GB1740二级以上
		耐盐雾/Resistant to salt spray	4000 Hours，达GB1740二级以上
	耐候性 Weathering Resistance	褪色/Fading	10年后（After 10 Years），AE<5NBS
		粉化/Chalking	10年后（After 10 Years），GB1766一级
		光泽保持/Gloss retention	10年后（After 10 Years），保持率≥50%
		膜厚损失/Loss of film thickness	10年后（After 10 Years），膜厚损失率<10%











◆铝单板包方柱安装实例

Aluminum Panel Square Column Installation Sample

①铝单板 ①aluminum Veneer
②耐候密封胶 ②weatherproof Sealant
③泡沫垫条 ③foam Gasket
④挂耳交错安装 ④lugs Staggered Installation
⑤自攻螺丝 ⑤self-tapping Screws
⑥角钢调平后焊 ⑥angle Steel Leveling And Welding
接并做防锈处理 And Do Rust-proof Treatment
⑦膨胀螺栓 ⑦expansion Bolts
⑧铝方管 ⑧aluminum Square Tube

◆铝单板包圆柱安装实例

Aluminum Veneer Cladding Column Installation Example

①铝单板 ①aluminum Veneer
②耐候密封胶 ②weatherproof Sealant
③泡沫垫条 ③foam Gasket
④挂耳交错安装 ④lugs Staggered Installation
⑤自攻螺丝 ⑤self-tapping Screws
⑥角钢调平后焊接 ⑥ Angle Steel Leveling And Welding
并做防锈处理 And Rust Treatment
⑦膨胀螺栓 ⑦expansion Bolts
⑧铝方管 ⑧aluminum Square Tube

◆铝单板外部转角安装实例

Example Of Aluminum Veneer Exterior Corner Installation

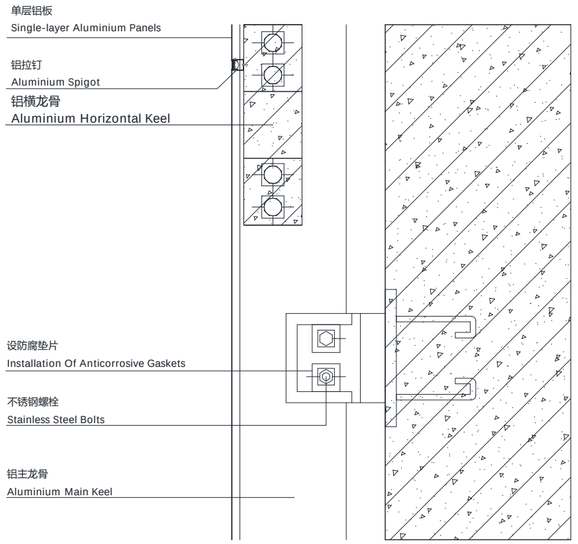
①铝单板 ①aluminum Veneer
②耐候密封胶 ②weatherproof Sealant
③泡沫垫条 ③foam Gasket
④挂耳交错安装 ④lugs Staggered Installation
⑤膨胀螺栓 ⑤ Expansion Bolts
⑥角钢调平后焊接 ⑥angle Leveling And Welding
并做防锈处理 And Do Rust-proof Treatment
⑦自攻螺丝 ⑦self-tapping Screws

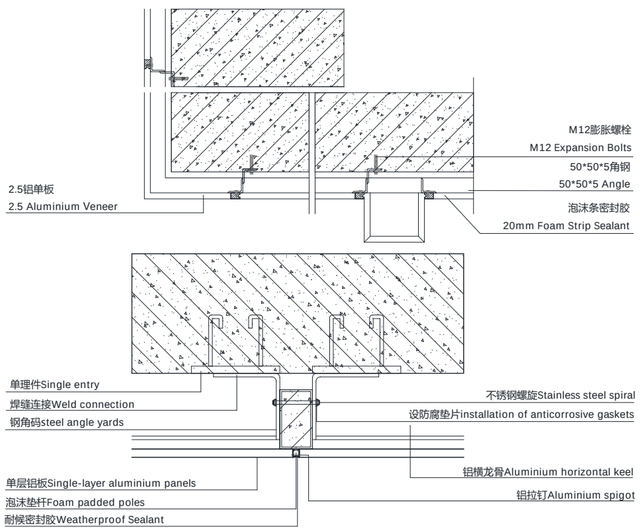
◆铝单板安装实例

Aluminum Veneer Installation Examples

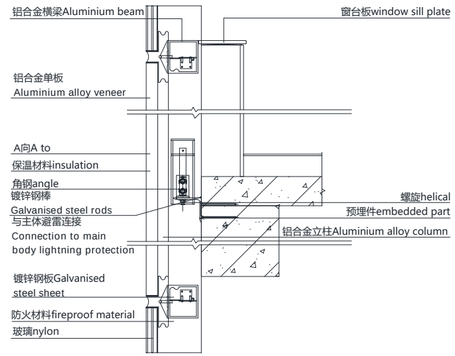
①铝单板 ①aluminum Veneer
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⑤膨胀螺栓 ⑤expansion Bolts
⑥角钢调平后焊接并 ⑥angle Leveling And Welding And
做防锈处理 Rustproof Treatment
⑦自攻螺丝 ⑦self-tapping Screws

Curtain Wall Corner Details

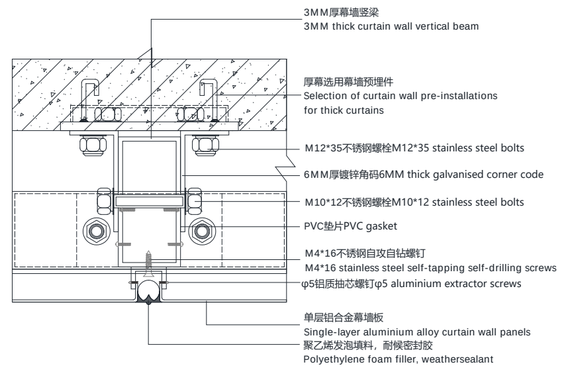




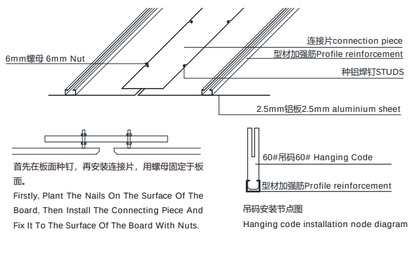
铝单板幕墙节点图
Installation Node Drawing Ofaluminum Panel

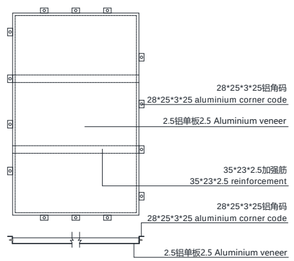


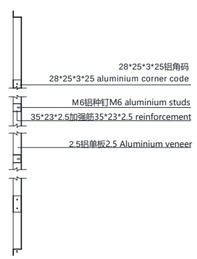
单层铝合金幕墙板安装节点图
Installation Node Drawing Of Single-layer Aluminum Curtain Wall Panel

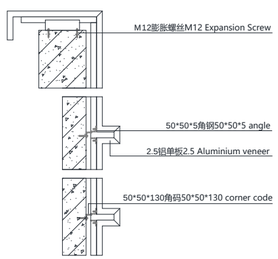


铝单板内部转角安装实例
Example Of Aluminum Veneer Interior Corner Installation

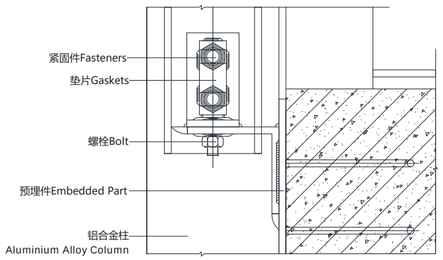




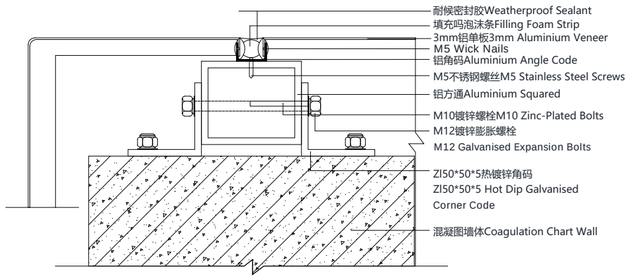




铝单板内部转角安装实
Example Of Aluminum Veneer Interior Corner Installation



铝单板与墙体相接的节点图
Installation node drawing of wall and aluminum panel





Seamed Aluminum Veneer



圆形有缝包柱
Round seam packet column

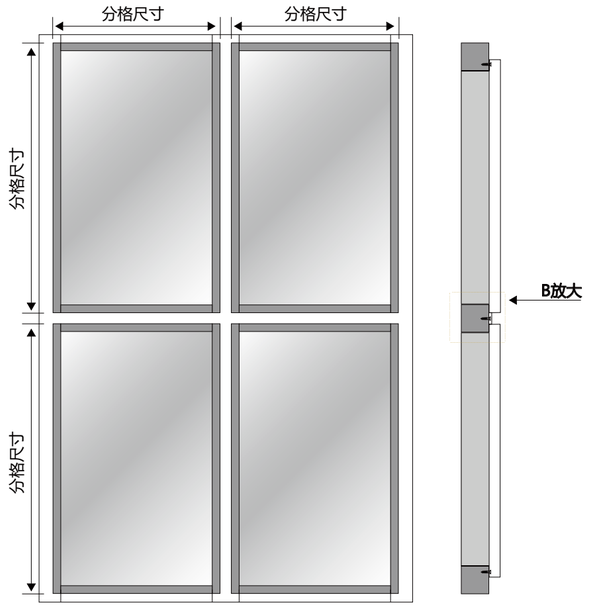
利用铝单板两个角码之间的空隙，加以螺丝固定，然后封胶，即可完成;这是铝单板最常用的一种安装形式，铝单板与铝单板之间形成线，使平整中多一份流动的格调，利用各种不同色调的胶水，形成不同色调的线条，可与铝单板色彩形成协调或对比，因情景氛围而定。

Use the gap of aluminum reinforced rib between twoboards, screw them fixed, then seal glue, to complete;thisis the most common installation form for aluminumveneer, lines formed between aluminum veneers, sothat the style of flow show in the flat, using a varietyof different shades of glue to form a different colorlines, to coordinate or contrast with the aluminumveneer colors, as the scene and atmosphere may be.

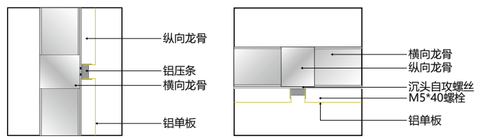


方型有缝包柱
The square seam packet column



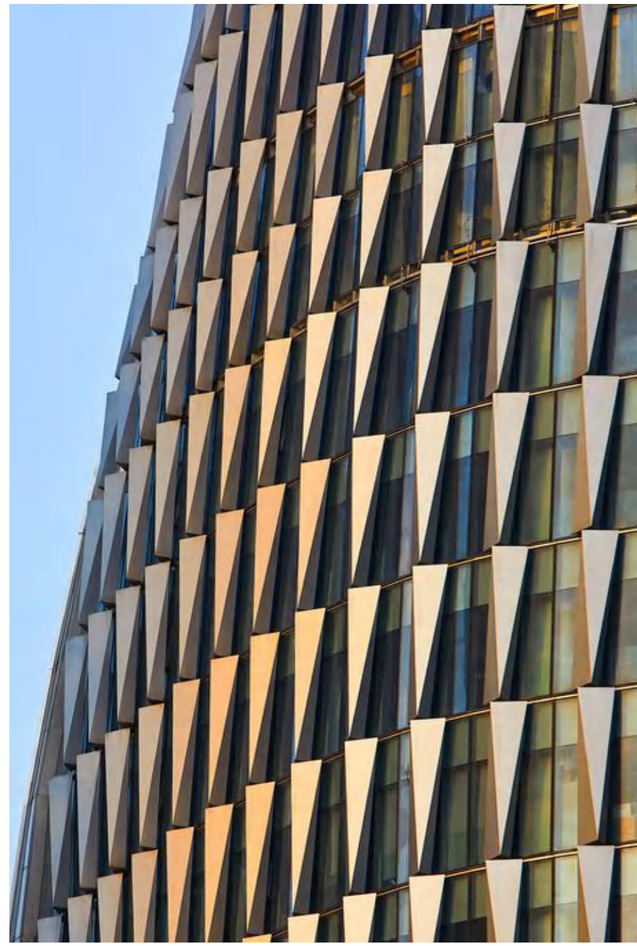


墙面铝单板安装示意图
镶条(明缝)式安装
Wall aluminum veneer installation diagram
Strip (open joint) type installation



墙面铝单板(有缝式)安装说明：
1、按设计图纸要求放样出龙骨及铝单板完成面的线。
2、确定施工方向，按分格尺寸要求安装好主、副龙骨(方钢龙骨):确保龙骨面的平整度。
3、安装铝单板:按要求安装好铝单板，四周角码均用自攻螺钉固定再镶入铝压条。
4、安装过程应保持手清洁，不能有汗水、油污等不洁现象。

Wall aluminum veneer (seamed) installation instructions:
1, according to the design drawings required to sample the keel and aluminum veneer finished surface of the line.
2, determine the direction of construction, according to the requirements of the compartment size to install the main and secondary keel (square steel keel): to ensure the flatness of the keel surface.
3, the installation of aluminum veneer: according to the requirements of the installation of aluminum veneer, around the corner of the code are fixed with self-tapping screws and then set into the aluminum pressure bar.
4, the installation process should keep your hands clean, no sweat, oil and other unclean phenomena!



Seamless Aluminum Veneer



圆型无缝包柱
Round seamless packet column

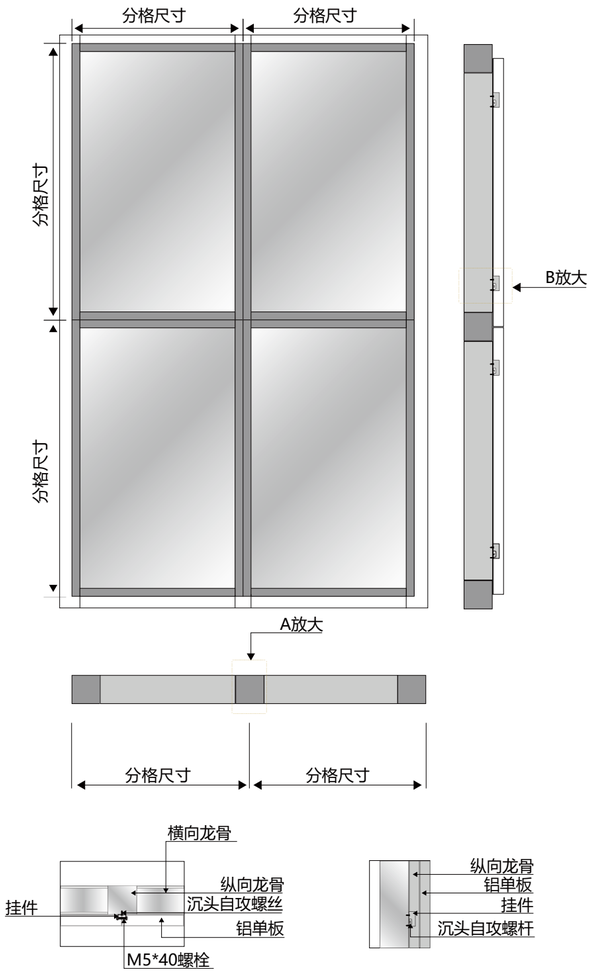


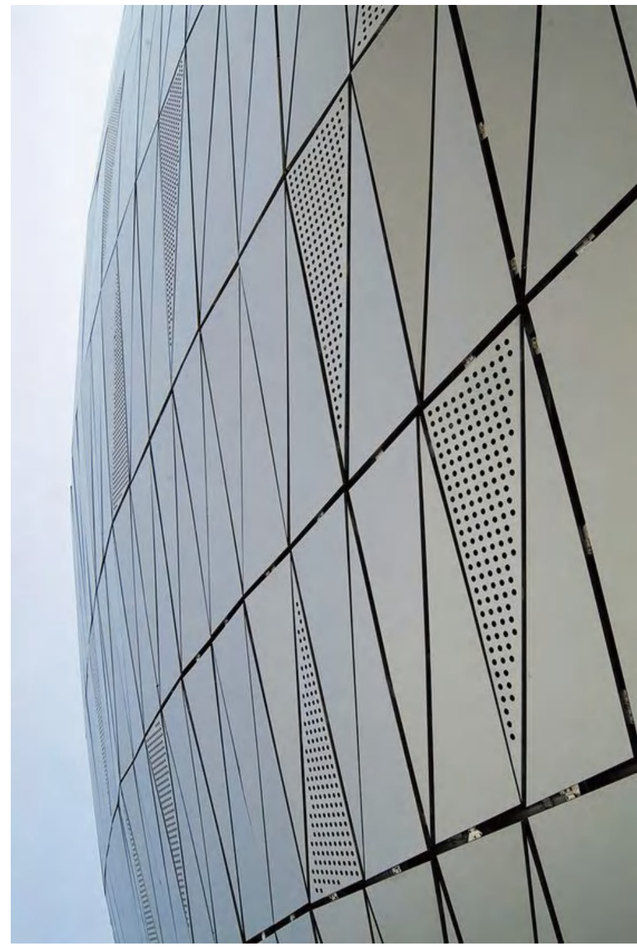
方型无缝包柱
Square seamless package column

密缝铝单板是在安装中使板与板之间的间距尽量缩小，使其整体起着平整、流畅的视觉效果:情景交融，精致动人让平整体现铝金属本质的肌理，触手可及的光泽散发着永久的亮丽与洁净，为建筑提升档次，为环境创造灵性的视觉盛宴!

Dense seam aluminum veneer is installed manipulation in thespacing between boards to minimize, to play the whole flatsmooth visual effects; scenes, exquisitely so smooth aluminumreflects the nature of the muscle, the fingertips gloss exudes apermanent bright and clean, for the building to enhance thegrade for the environment to create intelligent visual feast!





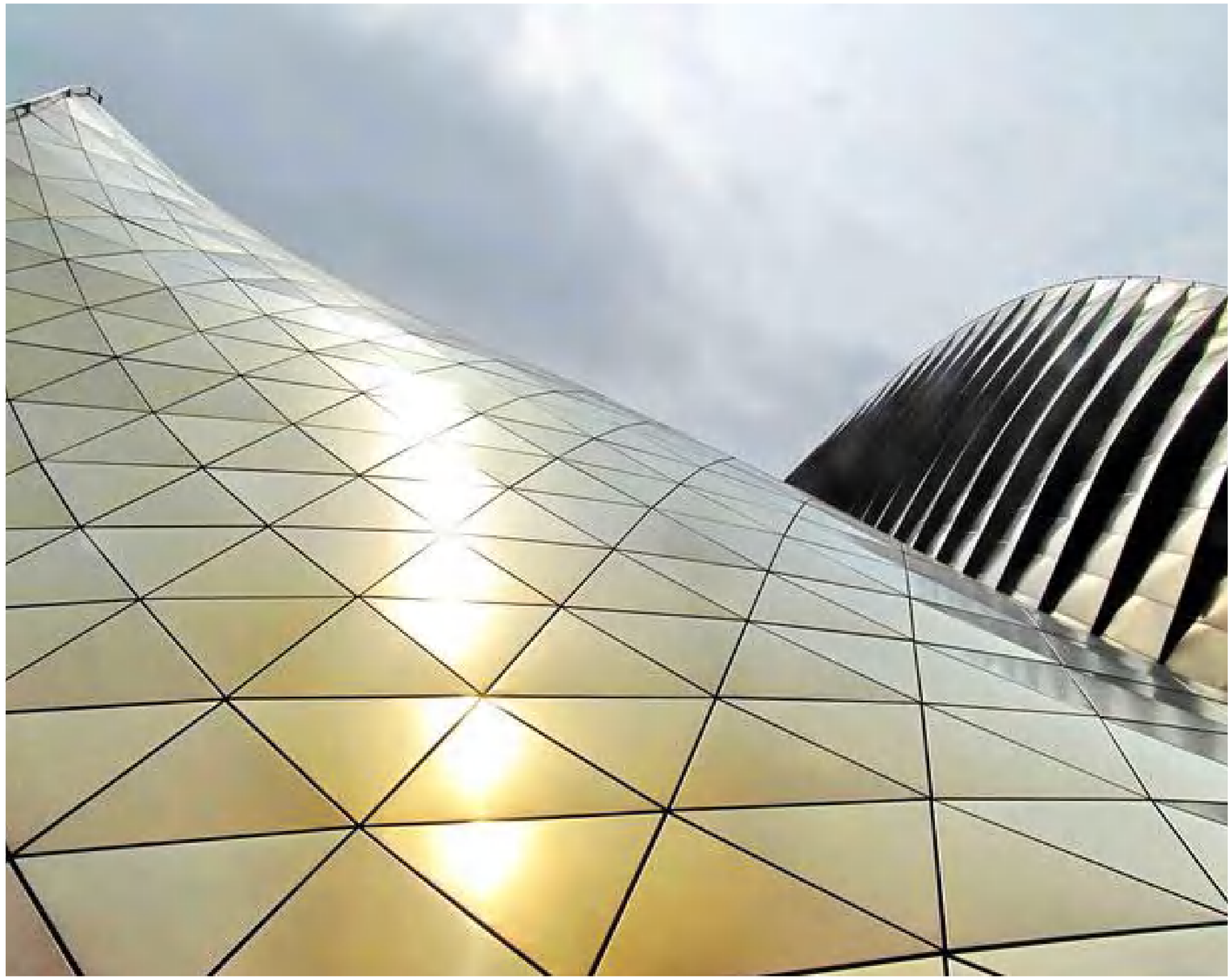


Surface Treatment

幕墙铝单板表面一般经过清洗、铬化等前处理后，再采用氟碳喷涂处理。氟碳涂料分为底漆、面漆和清漆，主要成份为聚偏氟乙烯树脂(KYNAR500)。一般分为二涂、三涂或四涂。氟碳涂层具有卓越的抗腐蚀性和耐候性，能抗酸雨、盐雾和各种空气污染物等，耐冷热性能极好，能抵御强烈紫外线的照射，能长期保持不褪色、不粉化，使用寿命长。表面选用世界知名的氟碳涂料生产商PPG、DNT、AKZ0、NIPPON等公司的优质氟碳涂料，颜色选择广泛，客户直接按厂家提供的色板选用或提供色板样。



Panel curtain wall is usually chromites, after that, it is treated with fuorine-carbon spray coating. Polyvinylidene fluoride resin (KYNAR500'of the fluorine carbon coating finish paint and the varnish is normaly divided nit 2nd coating, 3rd coating or 4rh coating. Fluorine carboncoatina has outstanding characteristics of corrosion resistance and weathering resistance, resisting acid rain, salt fog and various aiicontaminants, Besides, is has good peformance of thermal Dan cold endurance, and it can resist strong uitraviolet, can keep unfadingand chalking for a ing time, and has ling service life. Our factory chooses the high-quality fluorine carbon coating material manufacturedby wel-known PPG, NDT, AKZ0, and NiPpON, etc, we choose nice and various colors. Customers can directly choose in accordance withthe color plate manufacturers offered or provide the color sample.



Fluorocarbon Spraying



铝单板表面喷涂采用的氟碳聚合物涂料，是一种应用于外墙金属涂料，其主要成分含有不少于70%Kynar500或Hylar5000的氟碳树脂，是一种分子结构最稳定及耐久性结合涂料，经过氟碳的产品能长期抵抗阳光中的紫外线照射，工业废气、酸雨及化学品的侵蚀，能长期保持颜色的稳定和光洁，涂层不剥落、不龟裂、不粉化等。产品达到美国AAMA2605质量标准。为使公司产品达到国际一流的水准，采用先进的进口喷涂设备，选用美国PPG公司生产的Kynar-500PVDF氟碳聚合物涂料喷涂。

Veneer surface coating of aluminum applied fluorocarbon polymer coating, metalcoating is applied to the external walls, the main component containing not less than70% Kynar500 or Hylar5000 of fluorocarbon resin, is the most stable molecular structureand Durability combined with coating, fluorocarbon products through long-termexposure to the sun's ultraviolet resistant, industrial emissions, acid rain and chemicaerosion, maintaining long-term stability and smooth color, coating does not peel offdo not crack, not powder and so on. Products to the United States AAMA2605 qualitystandards. To make our products meet world-class standards, the use of advancedcoating equipment imports, the choice of Akzo Nobel or the United States producedby PPG Kynar-500PVDF fluorocarbon polymer coating spray.

Fluorocarbon resin PVF principle

使用在产品上的氟碳树脂PVDF是把脂肪族炭氢分子结构中以氟原子替换部分氢原子的聚乙烯吡咯烷酮，(Polyvinyl Pyrrolidone)
具有最大负电荷的氟(F)原子和碳(C)原子间的氟-碳结合力高过105.4kcal/mol,这就是意味着要破坏氟一碳结合至少需要105.4kcal/mol以上的能量。
氟一碳结合距离为1.36A,这距离比碳一碳结合距离1.54A还要短。因氟原子产生立体阻
碍，其结构非常紧密，很难破坏氟一碳的结合。
HYLAR5000是美国AUSIMONT公司注册的PVDF树脂的商标。
KYNAR500是美国Atochem NortyAmerica公司注册的PVDF树脂的商标。

The fluorine resin PVDF which was used on products is the pllyvinyl pyrrolidone which
was made by using the fluorine atom to take place of some hydrogen atom.The F-C combination power of carbon atom and fluorine atom with the largest minus electric charge can reach 105.4dcal/mol. That means atleast, you need more than 105.4kcal/mol to destroy the F-C combination.
The distance of F-C combination is 1.36A. it is shorter than the distance of C-C conbination 1.54A. 1t is hard to destroy the combination of F. C because of solid block caused by F-atom. Its struction are so colsely.
-YLAR5000 is the trademark of PVDF resin which was registered by American AUSIMONT company.
KYNAR500 is the trademark of PVDF resin which was registered by American Atochem North America Company.

◆ 参数
Parameters

颜色	**白色，黑色和其他各种颜色**
干膜厚度 **ASTM D1400**	**底漆0.25±0.05mil 面漆大于1.0mil**
光泽 **ASTM D523 @ 60°**	**低光泽和中光泽**
铅笔硬度 **ASTM D3363**	**最小F**
划格附着力 **1/16 ” 湿附着力和干附着力**	**无脱落**
正面冲击 **1/10°变形量**	**无脱落**
耐酸性 **ASTM D1308 10%盐酸**	**15分钟无明显变化**
耐碱性 **灰浆试验湿度100%@ 100*F**	**24小时无明豆变化**
耐洗涤剂性 **3%漫泡@ 100*F**	**72小时无明显变化**
耐盐雾性能 **ASTM B117. 4000小B时**	**最大1/16**
耐湿性 **ASTM D714 D2247, 4000小时** **100%湿度@ 100*F**	**最大气泡#8**
耐候性 10年@45°角，南佛罗里达 **ASTM D2244** **ASTM D4212** **ASTM B244**	**褪色 最大5级 粉化最大8级 漆膜损失 最大5%**



Waterborne Ceramic Coatings

铝单板表面喷涂采用的氟碳聚合物涂料，是一种应用于外墙金属涂料，其主要成分含有不少于70%Kynar500或Hylar5000的氟碳树脂，是一种分子结构最稳定及耐久性结合涂料，经过氟碳的产品能长期抵抗阳光中的紫外线照射，工业废气、酸雨及化学品的侵蚀，能长期保持颜色的稳定和光洁，涂层不剥落、不龟裂、不粉化等。产品达到美国AAMA2605质量标准。为使公司产品达到国际一流的水准，采用先进的进口喷涂设备，选用美国PPG公司生产的Kynar-500PVDF氟碳聚合物涂料喷涂。

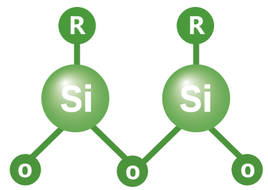
Veneer surface coating of aluminum applied fluorocarbon polymer coating, metalcoating is applied to the external walls, the main component containing not less than70% Kynar500 or Hylar5000 of fluorocarbon resin, is the most stable molecular structureand Durability combined with coating, fluorocarbon products through long-termexposure to the sun's ultraviolet resistant, industrial emissions, acid rain and chemicalerosion, maintaining long-term stability and smooth color, coating does not peel off.do not crack, not powder and so on. Products to the United States AAMA2605 qualitystandards. To make our products meet world-class standards, the use of advancedcoating equipment imports, the choice of Akzo Nobel or the United States producedby PPG Kynar-500PVDF fluorocarbon polymer coating spray.

陶瓷涂料作为一种无机涂料，相对于传统的有机涂料
具有更强大的性能优势，所以也被称为“第三代幕墙涂料”

As an inorganic ceramic coating paint, compared to conventional organic coatings
With a more powerful performance advantage, it is also known as the "third generation curtain coating.

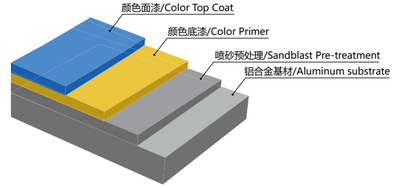
The Chemical Structure Of Water Based Ceramic Coating

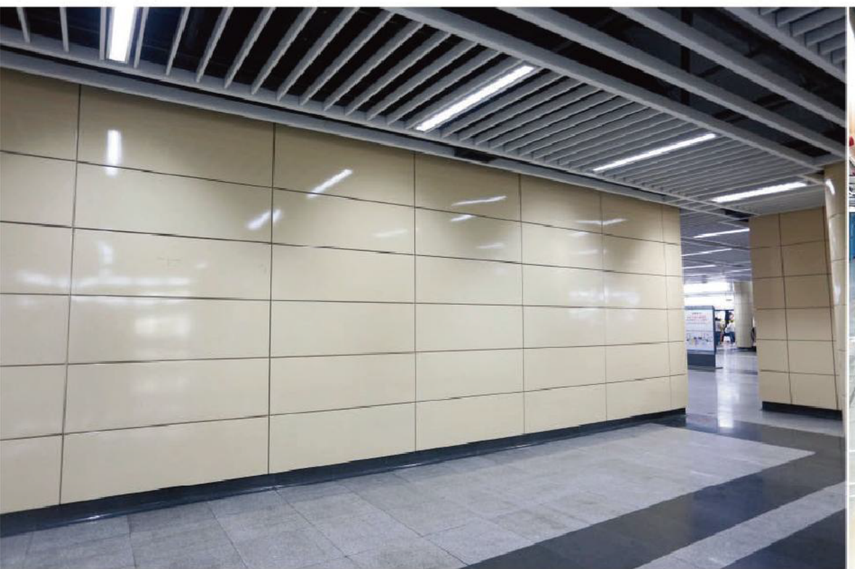
水性陶瓷涂料采用纳米无机树脂为主要基料，其主链上有不断重复的高键能强度的Si-0键，其稳定的化学结构决定了其涂层理化性能的优越性，与典型的有机结构C-C、C-F键相比，无机结构无疑更具耐久性、有着固有的热稳定性、不受阳光和紫外线的影响，无机结构更具有其特殊的不可燃性，而有机聚合物却会燃烧冒烟并产生有毒性烟雾。该涂料在基材表面涂装后，通过加热方式固化，形成性能与陶瓷、玻璃等相似的涂膜，故称为无机陶瓷涂料。陶瓷涂料是一种源于航空航天工业技术要求而研发出来的新型无机纳米材料，目前处于涂料行业最尖端领域。陶瓷涂料作为一种无机涂料相对于传统的有机涂料具有更强大的性能优势，所以也被称为“第三代幕墙涂料”



Water based ceramic coating takes nanometer inorganic resin as the main binderSi-0 repeatedly appears on the main chain, the stable chemical structuredetermines the high physical and chemical performance of the coating. Comparedwith the typical organic structure C-C and C-f, no doubt, inorganic structurehas better durability, heat stability, no impact from sunlight and ultraviolet, goodnon-inflammability, while organic polymer can produce toxic smoke. Oncesolidified on the surface of the base materials, the coating is just like ceramicor glass, that is why it is called inorganic ceramic coating. Ceramic coating ismade of newly developed inorganic nanometer materials by means of aerospacetechnology, it is the best coating available in this industry. Compared with thetraditional organic coatings, its performance is far better, that is why it is referredto as the third generation of Curtain wall coating.

陶瓷喷涂 Ceramics Spray









Imitation Wood Grain Aluminum Veneer





木纹铝单板采用优质高强度合金铝板，国际先进新型图纹装饰材料，图案高档华丽、色泽纹理逼真、图纹牢固耐磨，不含甲醛、无毒、无有害气体释放，使您不必再为装饰后油漆和胶类物质带来的异味及身体伤害而担忧，品质卓越，是高档建筑装饰的首选材料。木纹色凸显绿色环保的生活理念，体现出一种高档奢华的建筑风格，缓解都市人紧张工作之余的压力。很多像咖啡馆，休闲会所等地方都使用木纹板。木纹板价格适中，耐用，防潮防水，可塑性高，利用各种地方进行装修设计，成为很多设计师的宠儿。

Wood veneer of high quality aluminum high-strength aluminum alloy, theinternational advanced new pattern decorative materials, patterns upscalegorgeous, vivid color, texture, pattern firmly wear, formaldehyde-free, non.toxic, non-harmful gas emissions, so you do not have to after decorative paintsand glue like substances and odors caused bodily injury to worry about, thequality of excellence, is the preferred material for high-end architecturaldecoration. Wood color highlighting green living ideas, reflecting a high-endluxury architectural style, ease tension urbanites spare pressure. Many wantto cafes, clubs and other places of leisure use wood panels. Wood panelsaffordable, durable, moisture-proof waterproof, plasticity out, using a varietyof places decoration, become the darling of many designers.



Imitation Stone Aluminum Veneer





木纹铝单板采用优质高强度合金铝板，国际先进新型图纹装饰材料，图案高档华丽、色泽纹理逼真、图纹牢固耐磨，不含甲醛、无毒、无有害气体释放，使您不必再为装饰后油漆和胶类物质带来的异味及身体伤害而担忧，品质卓越，是高档建筑装饰的首选材料。木纹色凸显绿色环保的生活理念，体现出一种高档奢华的建筑风格，缓解都市人紧张工作之余的压力。很多像咖啡馆，休闲会所等地方都使用木纹板。木纹板价格适中，耐用，防潮防水，可塑性高，利用各种地方进行装修设计，成为很多设计师的宠儿。

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仿石材铝单板特点

Imitation Stone Aluminum Veneer Features

◆石材图案丰富，效果逼真

Rich stone pattern, realistic effect

◆氟碳涂层漆层均匀，牢固耐磨

Fluorocarbon coating paint layer is uniform, firm and wear-resistant

◆形状、厚度可按需定制

Shape and thickness can be customized

◆安装维护简单，节约施工成本

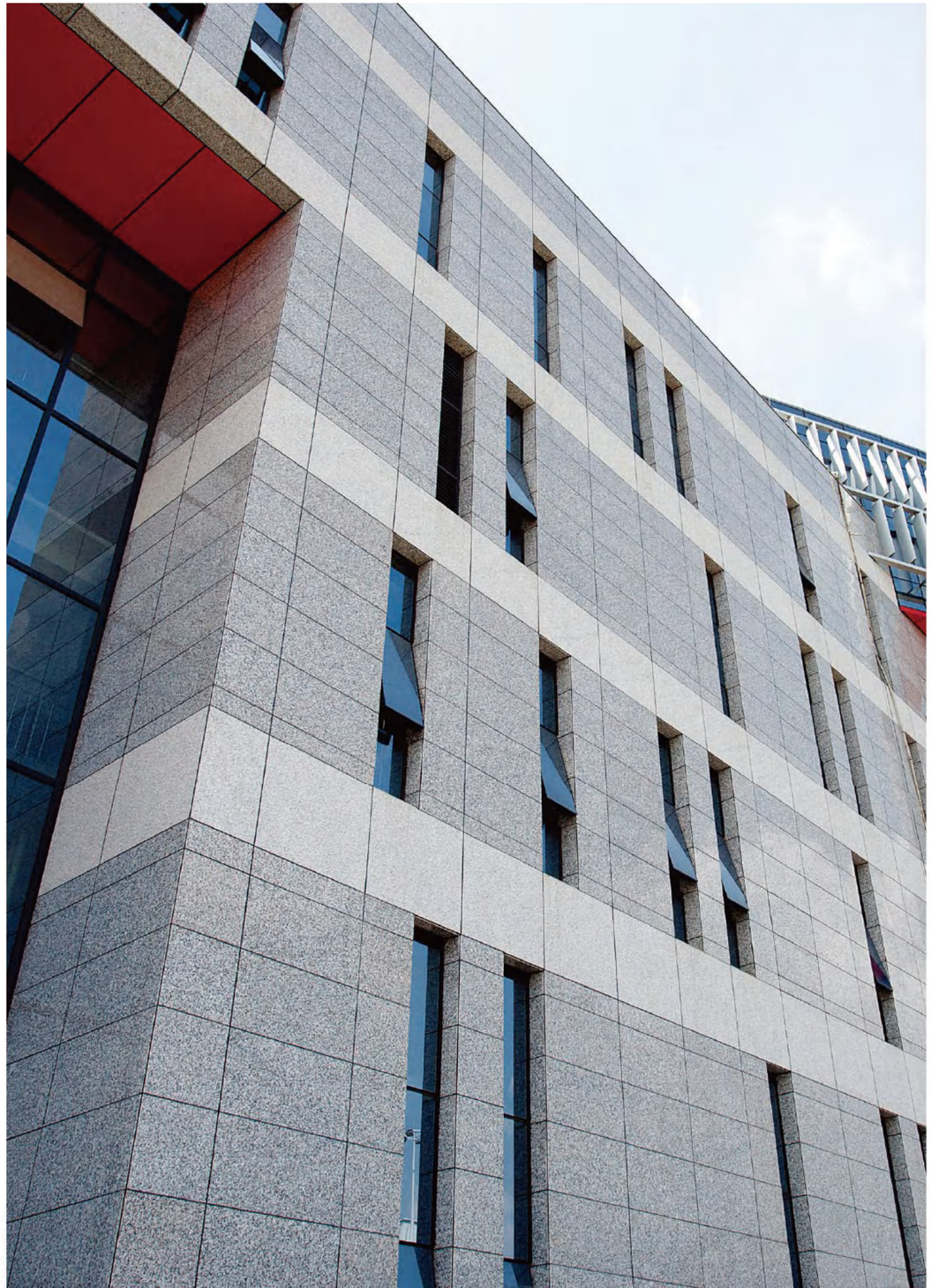
Simple installation and maintenance, saving construction costs

◆质量保障，经久耐用

Quality assurance, durable

◆绿色环保，可100%回收利用

Green environmental protection, 100% recyclable



Color Sample

◆ 仿木纹色样

Imitation Wood Samples


Powder No:6122
Paper No:3024-11


Powder No:6603
Paper No:3030


Powder No:6603
Paper No:3005-2


Powder No:6112
Paper No:9105-1


Powder No:6604
Paper No:3029-3


Powder No:6604
Paper No:1008-8


Powder No:6602
Paper No:3067-1


Powder No:6602
Paper No:1086-7


Powder No:6604
Paper No:790-1


Powder No:6111
Paper No:1050-4


Powder No:6111
Paper No:1056-3


Powder No:6111
Paper No:9129-1


Powder No:6111
Paper No:3025-7


Powder No:6710
Paper No:3013-1


Powder No:6710
Paper No:3004


Powder No:6606
Paper No:3063


Powder No:6606
Paper No:3045-1

Powder No:6710
Paper No:3029-4


Color No:0020
Color Name:深花梨
Dark Rosewood


Color No:0021
Color Name:深栓木
Dark Ash

注：1、本色卡只提供参考，不同批次的效果可能有所差异。 2、客户选色时，可根据工程需要将色板调合各种颜色。

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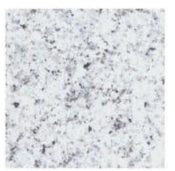
◆ 仿木纹色样

Imitation Wood Samples

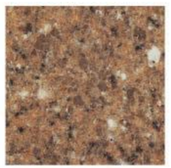

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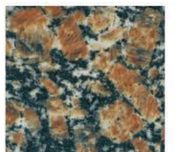

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No:004

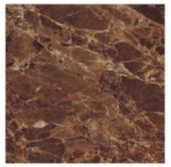

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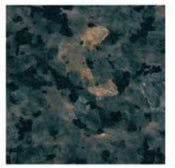

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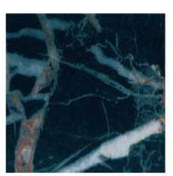

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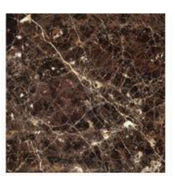

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Modeling Aluminum Veneer



造型铝板结合了多种成型工艺，是铝单板中难度最大的一种异型板。我们制造的造型板精确度高，表面平滑，合缝精准而且可来图来样订制等特点。

造型铝板以独特的造型给建筑带来耳目一新的视觉享受从瓷砖、铝单板、造型铝板，一路的传承与演变无不体现了对产品的创新与追求;造型铝板的设计开发为建筑设计师提供了宝贵的设计创意和视觉盛宴，它的诞生将成为装饰材料中的宠儿，是对传统工艺的一种挑战与突破!它更是高档商住建筑常用的新型材料!

Hyperbolic boards product which is made by universal CNC machinewith proprietary double-curved software and finish production duringshort time. It is high accuracy, smooth surface and accurate seam.Itcan also customized according to your sample.

Hyperbolic boards bring new visual enjoyment for buildings by itsunique shape. From the changes of tiles, aluminum single platealuminum hyperbolic boards, products, they incarnate the spirit ofinnovation with a persistent quest of company. The design anddevelopment of hyperbolic boards are provide valued ideas forconstruction designer,Hyperbolic boards is a favourite of decorationmaterials.It is challenge and breakthrough for tranditional technologyIt is also new concepts of high-grade residential and commerciabuildings.

Double Curved Aluminum Cladding Panel

随着建筑物外形风格的多样化，双曲面铝单板已越来越受到业主和幕墙设计师的青睐。由于其加工难度大，能生产双曲面板的厂家很少，很多工程只能放弃原有设计方案，导致幕墙的整体效果难以准确表达出设计师的设计理念。双曲板是采用德国进口万能成型机配合专用数控双曲面软件在短时间内生产出成品。精确度高，表面平滑，合缝精准而且可来样来图订制等特点。



本公司大胆探索，自主创新，利用蒙皮拉伸技术和三维建模原理，解决了铝单板行业的难点技术--双曲面铝单板的生产、设计工艺，成为国内为数不多的真正能批量生产双曲面铝单板和复杂异形的企业之一，为设计师提供了更为广阔的想象和设计空间。

本公司双曲铝单板的设备先进，工艺精湛，品质优良，交货期短。板面效果比常见的通过分割焊接生产的双曲板平整度好，安装效果比所谓的“以直带曲”等假双曲的弧线圆滑，充分展示了双曲面铝单板在金属幕墙上无可替代的独特魅力。

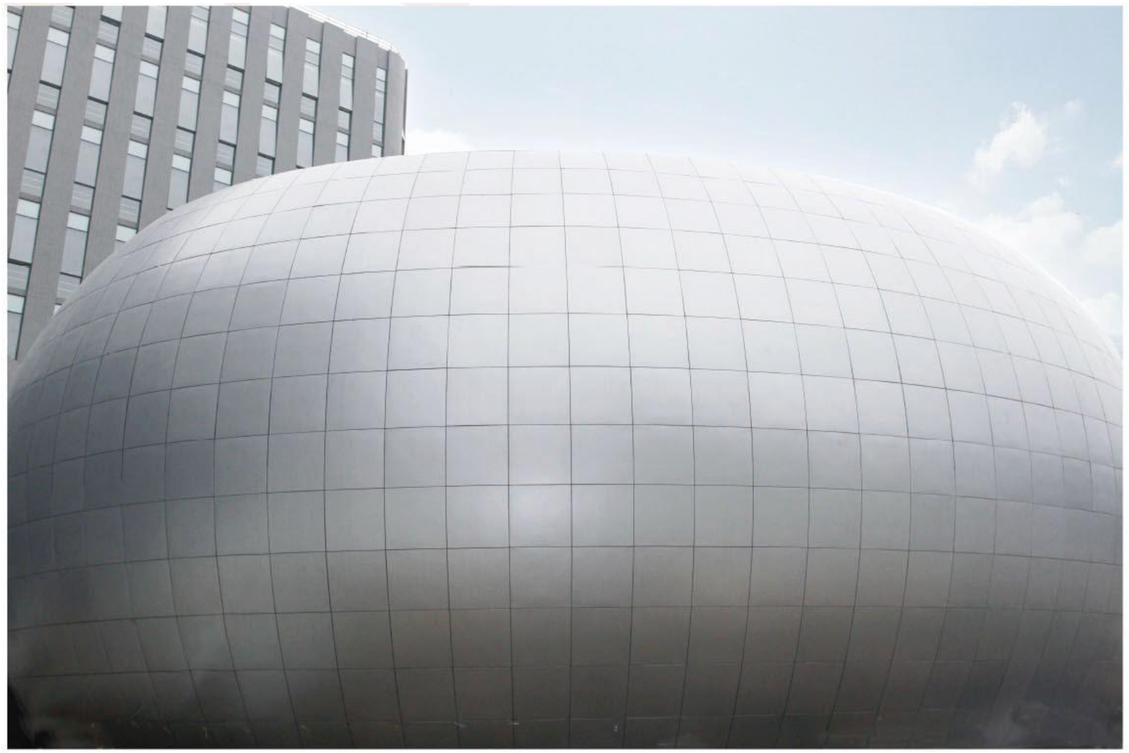


With the diversity of external styles of building, double-cured aluminum veneer has become increasingly popular to the house owners and curtain.wall designers. Because of its great processing dificulty, and few factories producing double-curved veneer, many projects have to give up theoriginal design schemes, resulting in that the overall effect of curtain walls can not accurately express the design concept of the designers.

Hyperbolic boards product which is made by universal CNC machine with prefectional double-curved software durinig shortime. it is high accuracy,smooth surface and accurate seam.It can aslo customized according to your sample.

People make bold explorations,innovate independently,resolve the dificult technology of production and design technigques of aluminum veneelin the aluminum veneer industny via skin stretch technology and the principle of three-dimensional modeling, become one of the few enterpriseswhich can batch produce design space for designers.

Double-curved aluminum veneer has its advanced equipment, exquisite workmanship, high quality and short delivery time, The flatess of veneerefect is better than that of the common doublecurved veneer produced by cutting and welding; the arc of installation effect is sleeker then thalof artificial double-curved one of" curve from straight". it fully displavs the irreplaceable and unique charm of double-curved alyminum veneelon metal curtain wall.



Single Curved Aluminum Veneer







户外单曲氟碳铝单板质量轻、刚性强，能够打造一个多层次的空间，搭配多种多样的颜色，正在被更多的建筑所采用。单曲与双曲的不同点在于，双曲是往两个方向弯曲的，而单曲只是往一个方向弯曲。

Outdoor single fluorocarbon aluminum panel quality light, rigid and strong,able to create a multi-level space, with a wide variety of colors, are beingused more buildings. The single difference is that the hyperbolic hyperbolicis bent to two directions, and the single bend in one direction only.

单曲铝单板特点

Singles Aluminum Panel Features

◆圆润的线条，较强的层次感/Sleek Lines, A Strong Sense Of Hierarchy

◆颜色、板材厚度等可供定制和选择/Color, Sheet Thickness Available For Customization And Choice.

◆优异的耐候性和耐腐蚀性，使用寿命长/Excellent Weather Resistance And Corrosion Resistance And Long Service Life

◆安装维护便捷，节约成本/Easy Installation And Maintenance Cost Savings.

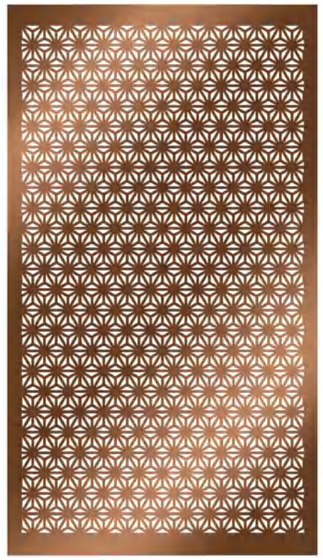
◆质量保证，经久耐用/Quality Assurance And Durability.

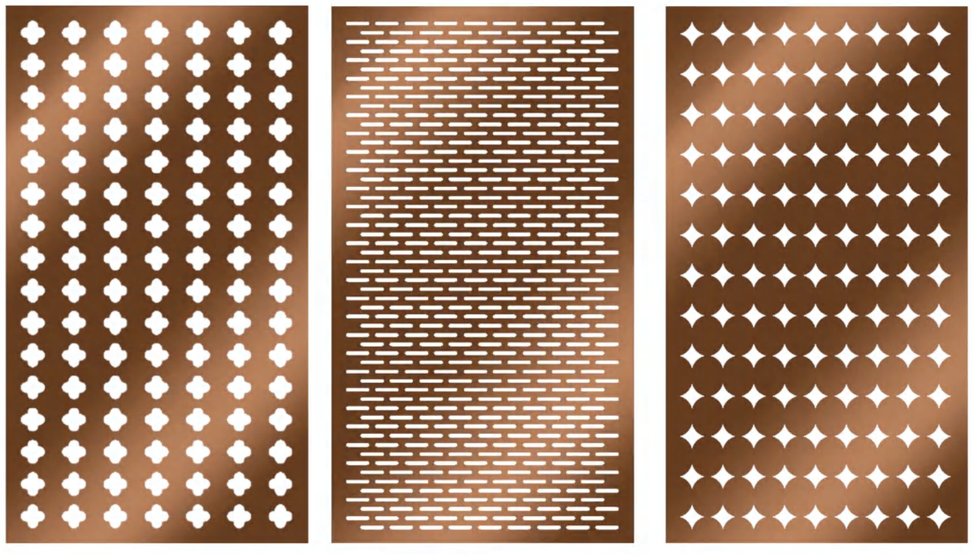
◆铝合金材质可100%回收再利用/Aluminum Alloy Can Be 100% Recycled.

Artistic openwork panels

镂空作为一种雕刻技术,需要精湛且细腻的工艺。设计师巧妙地将这一元素融入现代建筑装饰中,为我们带来时尚且个性的装饰艺术。雕刻板能够使平面板材不断延伸深入空间感，有透光、透气的作用。不同图案、大小疏密的孔型变化搭配使物面产生动感，结合不同外形环境进行异型处理，令线条更为明快、飘逸，突破传统造型概念，更适合各种现代高级会所、办公等多种场合，为充满活力的时尚一族开辟了无穷无尽的思维空间，确是实用又美观的新型装饰形式。

As An Openwork Carving Techniques, Requires Skilled And Delicate Process.designers Cleverly This Element Will Be Integrated Into Modern Architecturaldecoration, In Order To Bring Us Fashion And Personalized D Cor Arts. Carvingboard Can Continue To Extend The Depth Of The Plane Sheet Sense Of Space,there Are Translucent, Transparent Gas Effect, Not Different Patterns, Sizesvary With The Density Of The Hole Moving Object Plane Generation Sense, Acombination Of Different Shape Environment Shaped Handle, So That Line Ismore Crisp, Elegant,breaking The Traditional Styling Concept, But For A Varietyof Modern Senior Clubs, Office And Other Occasions,









Perforated aluminum veneer

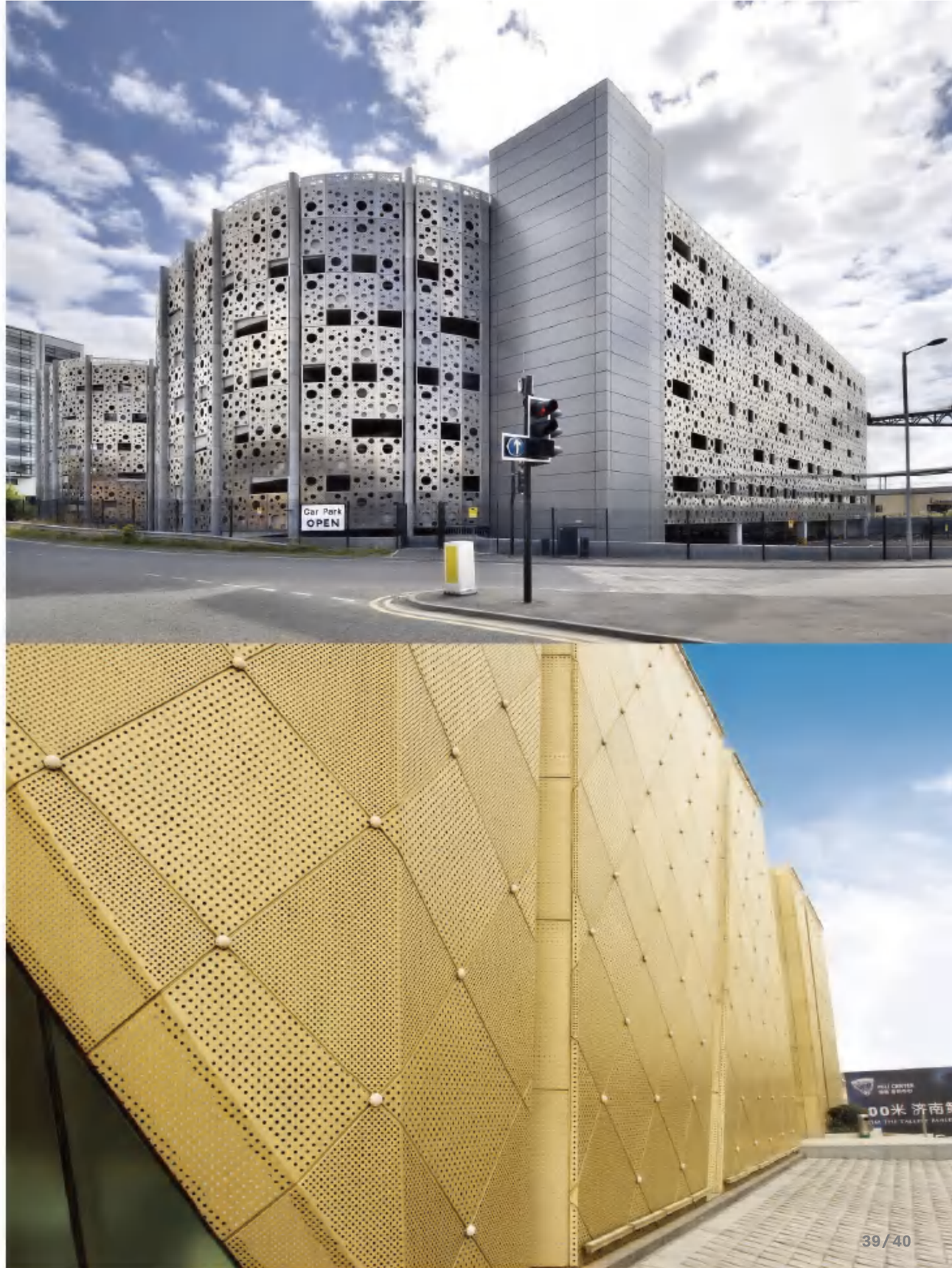
冲孔铝单板是采用电脑数控冲压设备，选优质的金属材料，以不同规格或花款的冲孔工艺来美化金属板面，能舒缓由于封闭式所造成的压抑感，使产品若隐若现有开阔视野空间的感观性。产品的特色与优点:外观优雅，防火防潮，安装方便，经久耐用，吸音隔音，不受正负风压影响，有利于通风口或其他设备的散热，透光照明等特点。

常规孔径:Φ1.8-Φ2.3、Φ2.5-Φ5.0、Φ6.0-Φ10、Φ12-Φ20、Φ25-Φ60等(更详细参数请参阅冲孔规格表)适用于:天花吊顶、墙板、包柱板、包梁板，音乐室，播音室，新闻中心，体育馆，射击馆等。



CNC punching aluminum panel using stampingequip-ment, selected high-quality metal materials tothe punch-ing process different specifications or spendmoney to beautify the metal plate surface, due tothe closed-made, can relieveA sense of oppression,indeed, broaden their horizons and feel of the space.Features and Benefits punching aluminum: elegantappearance, easy to fire proof, install, durable, acousticnoise, not the positive and nega-tive air pressure affectbeneficial vents or other deviceHeat, light and lightingfeatures.

Conventional Aperture: φ 1.8-Φ 2.3, $ 2.5-Φ 5.0, Φ 6.0-Φ 10,Φ 12-Φ 20,Φ25-Φ 60, etc. (See the more detailedparam-eters punching specification table)Applies to: ceiling, wall panels, including columnsboards, including slab, music room, studio, news,sports, shooting museum.



Brushed Aluminum Veneer



A、高纯度铝基材，数控精密加工:

具有优越的使用性能，该板吸音、隔音效果俱佳，防火性能良好。表面色泽光亮、均匀，时尚感强，给人以强烈的视觉冲击。

B、进口设备加工，多重工艺处理:

采用进口金刚石布轮表面拉纹，经压型、滚涂等多种化学处理而成。

C、外表时尚美观，使用性能优越:

其材料外观具有非常强的金属质感，可与不锈钢拉丝擦纹板相比美，纹理清晰、均匀具有超强的耐温、耐候、防火性能，而且耐污易洁，是当今时尚流行的新型高档装饰材料。

A, High-purity Aluminum Substrate, Cnc Precisionmachining:

With Superior Performance, The Sound-absorbing Panels,sound Insulation Is Superb, Good Fire Resistance. Surfacecolor Bright, Uniform, Strong Fashion Sense, Gives A Strongvisual Impact.

B, Imported Equipment Processing, Multi Process:

Imported Cloth Round Diamond Surface Pull Profilingthrough A Variety Of Chemi-cal-pressure, Roller And Othertreatment From.

C, Fashionable And Beautiful Appearance, Superiorperformance:

The Appearance Of The Material Has A Very Strong Metallic,brushed Stainless Steel Rub Can Be Compared With Thepattern Plate Beauty,texture Clear Mission, Even With-superior Heat Resistance, Weatherability, Fire Resistance, Andstain Resistance And Easy To Clean, Is The New High-endfashion Decorative Materials.

Colorful Aluminum Veneer

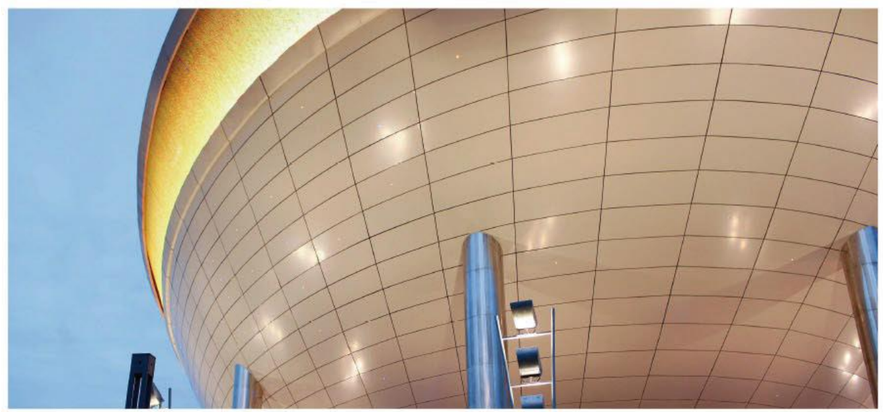


光是产生这种神奇幻彩效果的主要原因

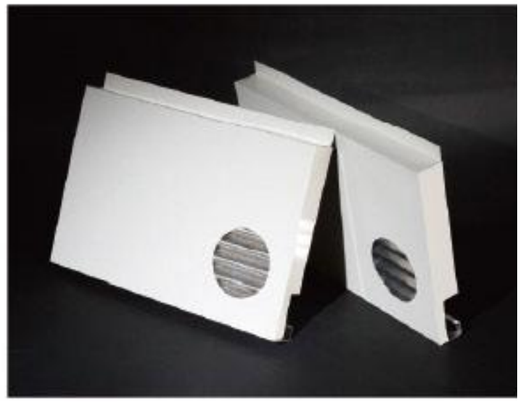
Symphony major causes just this magical effect.

幻彩氟碳铝单板板表层采用>70%的氟碳三涂原料为基料，添加珠光云母等新型材料，具有金属般绚烂柔美的色泽，充分利用光线和物质之间反射、折射、衍射和吸收的相互作用形成大自然的奇妙色彩，从而形成表面飘逸流动的视觉美感。

Symphony Fluorocarbon single aluminum plate boardsurface using> 70% of the three-coat fluorocarbonmaterial as the base material, add the pearl mica andother new materials, with metallic soft gorgeous color,full use of the reflection between light and matter,refraction, diffraction interactions and absorb thewonderful colors of nature are formed, thereby forminga surface flow flowing visual beauty.



Aluminum Corrugated Sheet



如果说蜂窝板具有很好的强度和刚度以及极佳的平整度，那么瓦楞板是最好的大形状的弧形板材料。表层为1.0-1.2mm铝板，背面为瓦楞形状的钢制或铝制材料。这种板型可以更好的满足设计师特殊设计要求，广泛应用于影剧院、展厅等地方。

If The Honeycomb Panel Has Good Strength Andstiffness And Good Flatness, Corrugated Board Is Thebest Shape Of The Arc Plate Material . Surface 1.0-1.2mm Aluminum, Steel Corrugated Shape Back Foraluminium Material Or. This Board Type Can Bettersatisfy The Design Requirements For Special Stylist,wide Extensive Application In Theatres, Exhibition Hall,etc.

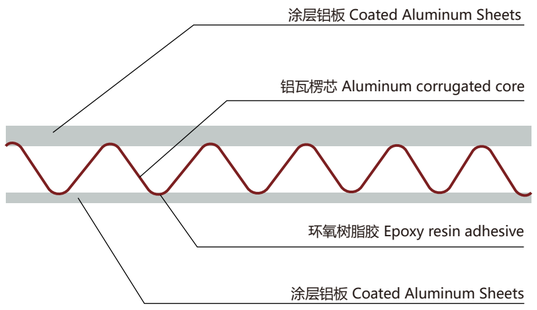
◆ 特点

Characteristic

表面平整，做大幅面板不易变形。表面氟碳辊涂，漆面均匀一致，易清洗。色彩丰富(有仿石、仿木纹颜色)。重量轻，剥离强度高，耐候性佳。隔音、隔热性能好。防火等级:A级

Surface is flat ,shape change won't happen, even largearea. The same surface painting, easy to clean.Colorful,light weight;t peel strength up to 40N/mm;temperature difference resistance.Good function ofsound-proof and heat insulation

Fireproof grade: Agrade



◆ 用途

Application

建筑幕墙装饰，旧建筑外墙改造。室内装璜，隔断，天花。展示板，指示牌，广告板，店面装饰。

Curtain wall decoration, old exterior renewing, Interiordecoration and separation, ceiling Display boardsdirection boards, billboards, shops decoration.



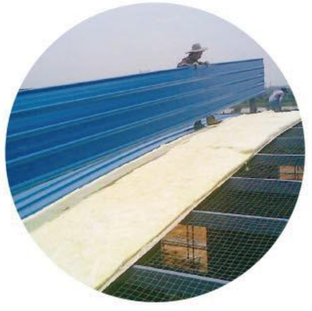
Rock Wool Composite Aluminum Panel



保温板是以玄武岩及其它天然矿石等为主要原料，经后天融化后，采用国际先进的四辊离心制棉工序，将玄武棉岩高温溶体甩拉成4~7um的非连续性纤维，再在岩棉纤维中加入一定量的粘结剂、防尘油、憎水剂，经过沉降、固化、切割等工艺，根据不同用途制成不同密度的系列产品。岩棉保温板产品适用于工业设备、建筑、船舶的绝热、隔音等。



VInsulation board is basalt and other natural minerals as the main rawmaterial, acquired after melting, using international advanced system offour-roller centrifugal cotton process, the high temperature basaltic meltcotton rock thrown into 4~7μ m pull the non-continuous fibers, andthen in rock wool fiber adding a certain amount of binder dust oil, waterrepellent, after settlement, curing, cutting and other processes, accordingto the different uses made of different density products. Rock woolinsulation board products for industrial equipment, construction, shipinsulation, sound insulation and so on.



◆ 经久耐用
Durable

无机玻璃钢材料具有特殊性能，表面强硬坚固，承重高达350公斤以上，有极好的抗风、抗冲击能力;耐高温、酸碱、抗腐蚀、抗老化等优点;解决了返卤、泛霜等技术难题，使用寿命可达三十年以上。

Inorganic glass fiber reinforced plastic materials with specialproperties, surface tough rugged, bearing up to 350 kg, hasan excellent wind resistance, impact resistance, high temperature,acid, corrosion resistance, aging resistance, etc; solve the brine-back to the Pan-cream, etc, technical problems, the service life

◆ 设计合理
Designed

无机玻璃钢保温板房可按要求定做进行设计建造:省工省力，安装便捷，如:建一栋756平米规格的鸡舍，只需8名工人，用时:4-6天，喷上光亮如釉的玻璃钢专用漆，千种颜色随意搭配，使板房外观更美观大方。

Inorganic fiberglass insulation board room can request customdesign Built: saving labor, easy to install, such as: constructionof a building 756 meters specifications coop, just eight workers,with time: 4-6 days as bright as enamel spray fiberglass specialpaint, thousands of color mix and match, so the board roomlook more elegant.

◆ 施工快速方便
Quick And Easy Construction

采用板块或组合安装，干法作业;具有钉、锯、刨、钻、粘等优良特点。

Using plates or a combination of installation,operation dry; with nails, sawing, planing,driling, Nien, and other fine features.

◆ 保温性能好
Good insulation properties

无机玻璃钢保温板房表面用玻璃钢材料增加强度:

Inorganic fiberglass insulation board room surfaces increasethe strength of glass fiber reinforced materials.

◆ 节能环保
Energy saving

生产过程无需高温，高压;产品:无毒、无害、无污染、无放射性，属绿色环保新型节能建材。

Production process without high-temperature, high pressure;the product: non-toxic, harmless, non-polluting, nonradioactive, is a green new energy-saving building materials.



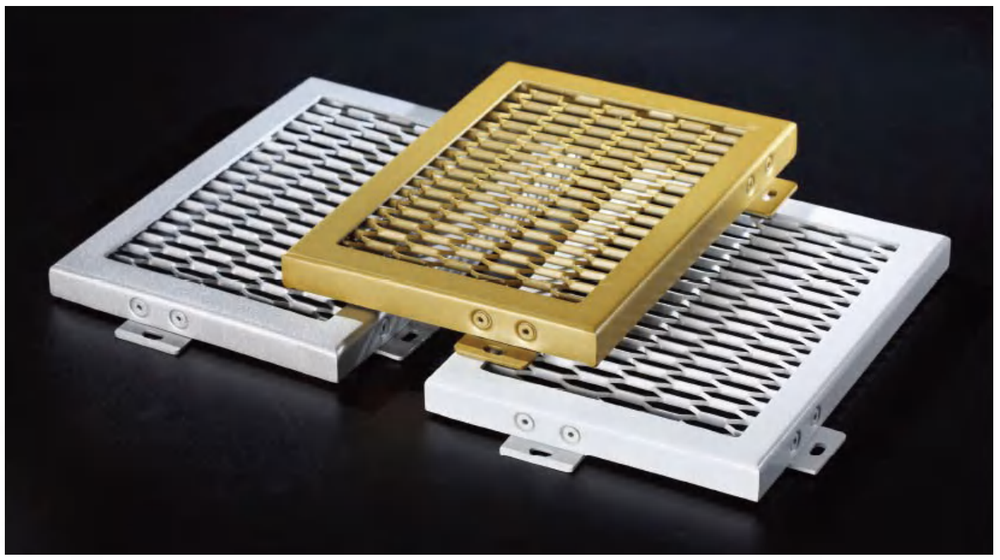
Aluminum Stretch Mesh Panel

铝拉伸网板具有开放、透明的视野:是一种可用于多种建筑设计，视觉效果独特的吊顶系统。在样式、材质和颜色方面有广泛的选择，可以确保每个项目拥有独特的外观。铝拉伸网板是通过特殊的制造工艺在金属薄片表面同时进行切割和拉伸，制作出菱形网孔。通过网孔形状、网孔方向以及照明和颜色的变化，可以将吊顶表现得更加通透和富有动感。不同的网孔类型和材质，使吊顶设计更加富有个性、更具有时尚气息。

产品适用于设备繁多及人流较多的区域，如地铁、机场、车站、通道、现代大型购物中心、展览中心等大型开放式公共场所。

Tensile aluminum mesh panels an open and transparent vision; is available fora variety of architectural design, visual effects, a unique ceiling systems. In styletexture and color in a wide range of choice, you can ensure that each projecthas a unique appearance. Metal grid through a special manufacturing processin the foil surface simultaneously cutting and stretching, making a diamond.shaped mesh. Through the mesh shape, mesh orientation and lighting andcolor changes can be performed more transparent ceiling and dynamic. Differentmesh types and materials, so that the ceiling design is more personalized, morestylish atmosphere.

Range of products for equipment and pedestrian flow areas, such as subwaysairports, stations, channel, modern shopping malls, exhibition centers and otherlarge open public spaces.

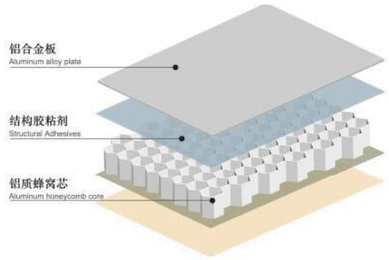




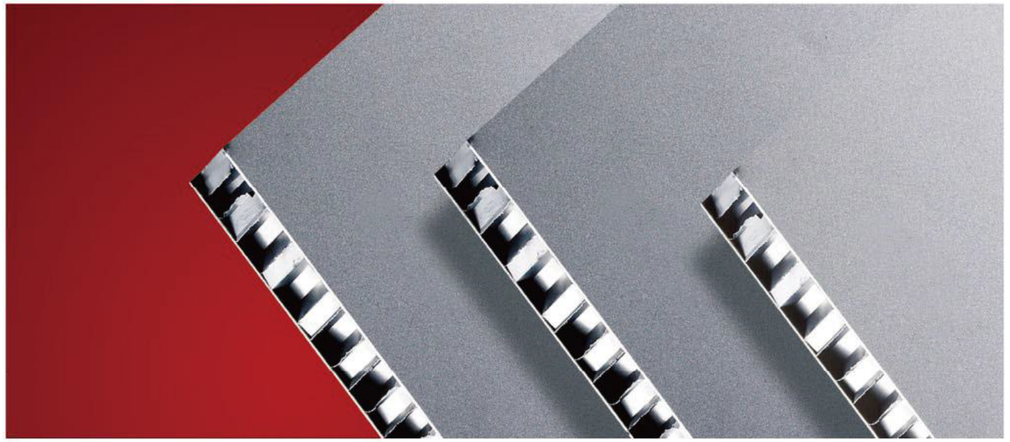
Aluminum Honeycomb Panel

幕墙铝蜂窝板主要应用于大厦的外墙装饰，该产品选用优质的进口原材料，加工尺寸精确。表面采用先进的预辊涂氟碳漆工艺，可保持三十年不变色。本公司采用双组份高分子环氧胶膜和双组份改性环氧树脂，通过全封闭无尘作业，用全自动蜂窝板复合生产设备通过加压高温复合而成，使铝蜂窝板粘接更牢固，更抗弯挠，板块更平直，质量更可靠。可根据建筑设计要求制作弧板、折板及梯形板等各式异形蜂窝板，所有的圆弧形、L形、U形等非平面的异形板块都是通过模具次性成型的，同一项目只采用同批辊涂铝卷，无色差现象。属一种高质量、轻质、高强度、外表豪华富丽的绿色环保装饰材料。

Aluminum honeycomb panel is mainly used for the exterior walldecoration of the building, superior quality of imported raw material isselected for this product, processing dimensions are precise. Theadvanced technology of the pre-roll-coating process of Fluorocarbon?paint is used on the surface, which enables no color change on thesurface for thirty years. The company makes the product with two.component of polymer epoxy film and two-component of modified epoxyresin, through the fully enclosed dust-free operation, with automatichoneycomb composite sheet production equipment through pressunzingunder high temperature to composite, which enables the aluminumhoneycomb sheets bonded more firmly, with better resistance to bending.the sheet is more flat with more reliable quality. According to thearchitectural design requirements, it can be made into all kinds ofspecial-shaped honeycomb cladding such as arc sheet, folded sheetand trapezoidal sheet, etc., all non-planar special-shaped sheets andpieces including circular arc,L-shaped, U-shaped sheets are formedin one-time through molding tools, the same project uses only the samebatch of roll-coated aluminum coil, no color differences. It is a greenand environmental friendly decorative material with high quality, lightin weight, high strength, and luxury & beautiful appearance.

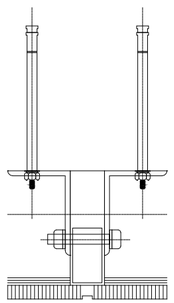




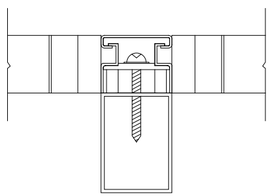


铝蜂窝板4大特点
Aluminum Honeycomb Panel 4 Features

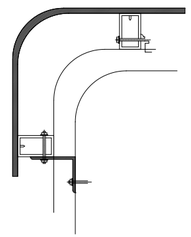




蜂窝板扣压式安装图
Honeycomb Panel Snap-in Installation Diagram



蜂窝板扣压式安装图
Aluminum Honeycomb Panel Node Structure



铝蜂窝板圆角剖面图
Round Corner Section Panel

Aluminum Honeycomb Panel

◆ 产品原材料

Product Raw Materials

■铝面板:主要选用优质的3003H24合金铝板或5052AH14高锰合金铝板为基材，厚度为0.7~1.5mm的氟碳辊涂板。

Aluminum panels: mainly selected high quality 3003H24 alloy aluminum sheet or 5052AH14 high manganese alloy aluminum sheet asthe base material, fuorocarbon roll-coated sheet with thickness of the 0.7~1.5mm.

■铝底板:底板厚度为0.5-1.0mm

Aluminum Sheet: Base sheet thickness is 0.5-1.0mm

■铝蜂窝:芯材采用六角形3003H18型铝蜂芯，铝厚度0.04~0.07、边长5-6mm。

Aluminum honeycomb: core material using hexagonal 3003H18 type aluminum honeycomb core, with aluminum foil thickness is 0.04~0.07edge length is 5-6mm.

■胶粘剂:采用双组份高分子环氧胶膜和双组份改性环氧树脂。

Adhesive: Two-component of polymer epoxy film and two-component of modified epoxy resin.

◆ 铝蜂窝板特点

Advantages of Aluminum Honeycomb Panel

■符合绿色建材定义，被称为“二十一世纪最佳铝幕墙建材”。

It conforms to the definition of green building materials, known as the "Twenty-first Century best aluminum cladding buildingmaterials".

■隔音、隔热、防火、防震功能突出。

Qutstanding performance in noise insulation, heat insulation, fireproof, earthquake proof.

■结构稳定，抗风压佳。

Stable structure, good wind resistance.

■板面平整度极好。

Excellent surface flatness.

■安装维护简便灵活，降低施工和维护成本。

It is easy and convenient for installation and maintenance, reduced construction cost and maintenance cost.

■特殊颜色、形状的蜂窝板型也可定做

Honeycomb cladding with specially colors and shapes can be customized.

◆ 铝蜂窝板用途

Applications of Aluminum Honeycomb Panel

蜂窝板一般适用于建筑幕墙外墙挂板，室内装饰工程，广告牌，船上建筑，航空制造业，室内隔断及商品展示台，商用运输车和货柜车车体，公共汽车、火车、地铁及轨道交通车辆。

Honeycomb cladding is generally applicable to the hanging sheets of the construction cladding, interior decoralion proiects, advertisingsigns, buildings on ships, aviation manufacturing, indoor partilions and commodity display platforms, commercial transport vehicle andcontainer vehicle bodies, buses, trains, subways and rail vehicles.

◆ 铝蜂窝板技术性能指标

Aluminum honeycomb panel technical performance indicators

厚度 Thickness	20 25mm
正面铝板 Front al-planking	1.00mm
背面铝板 Back al-planking	1.00mm
重量 Weight (kg/m2)	7.4 7.8

复合板及面板的力学性能:

Mechanics function of complex planking and surface planking

惯性矩 Inertia rectangle I(cm “ /m)	19.85 31.67
截面模量 Measurement of cutting W(cm2/m)	19 24
复合板刚度 Hardness of complex planking E.! (KN cm2/m)	139000 2217000
面板铝型材 Aluminum profile surface planking	AA 5754A(ALMg3)
弹性模量 Changeable measurement (N/mm2)	70000
面板抗拉强度 Pull-protecting strength of surface planking (N/mm2)	Rm≥220
0.2%屈服应力 0.2%Power of bending (N/mm2)	Rp0.2≥130
延伸率（EN485-2:1994）Extanding rate (EN485-2:1994)	A50≥8
铝材线性热膨胀 Hot expanding of aluminum materials	2.4mm/m 100℃温差时 2.4mm/m At 100' Temperature Difference

表面饰层: **Surface decoration layer**	**PVDF喷涂烤漆:** **PVDF Spray and bake paint**
光泽度(初始值) Luminosity (original Data)	30-40%
铅笔硬度 Hardness of pencil	HB-F

蜂窝芯:

Honeycomb core

蜂窝尺寸 Size of honeycomb	1/4"(6.3mm)
铝材容重 Weight standing of aluminum mateials	大约80kg/m3 It is about 80kg/m3
抗压强度 Strength of pressure-resistant (MIL-STD-401)	4 N/mm2
声学性能 Function of acoustics	

声学性能:

Function of acoustics

吸声系数 Data of sound sucking As	0.05
隔声指数 Indicator of sound separating 按照 According to ISO717-Rw	23 25

热工性能:

Function of heating

导热系数 Data of heating guiding A (W/M2K)	2.25 2.7
热阻值 Data of heating preventing R(1/m) (m2k/w)	0.0089 0.0093
传热系数 Data of heating passing U(k) (w/m2k)	5.59 5.575

对于复合板材，其导热系数“入”取决于板材的总厚度。To complex planking, the data of heat passing "入 " depends on the thickness of plankin

Ceiling Series

B



Indoor ceiling design more and more attention to the psychological factors and the use of human characteristics, more and more attention to the surrounding environment on people's attitudes, feelings of the impact of the ceiling design in the space to “style” as a starting point for the consideration of the design, from the past a single, simple needs of today's “human nature” complex needs. From the single, simple demand of the past to the complex demand of today's “human nature”.

Square Panel Concealed Shelf Ceiling Panel





暗架方板天花，采用暗架夹入式悬挂系统，方便安装及拆卸，改动室内间隔时倍感灵活。暗架式安装系统结构稳定隐蔽，面板表面平整、线条简洁美观，可为室内空间增添一份现代感。面板拥有不同规格型号，配合不同的设计及需求能广泛应用于多种建筑装饰设计中。

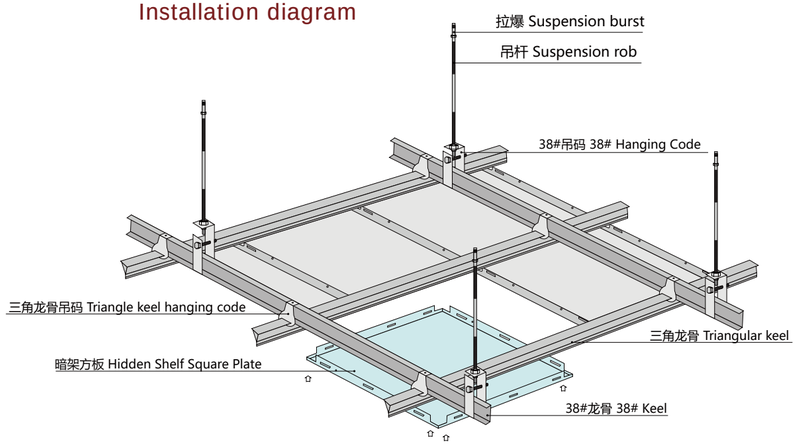
Square plate ceiling with hidden framework, adopting a suspensionsystem with hidden clamp-in framework,is convenient forinstallation and dis-assembly, very flexible when applied to makethe indoor interval changes. The mounting system of hiddenframework structure is stable and concealed, the panel surfaceis smooth with simple and beautiful lines, may add a modernsense to an indoor space.Panels of different specifications.matched with different design and demand, may be widely usedin a variety of architectural decoration design.

常用规格 COMMON SPECIFICATIONS

300*300mm、400**400mm、5500*500mm、
600*600mm、300*600mm
300*1200mm、600*1200mm

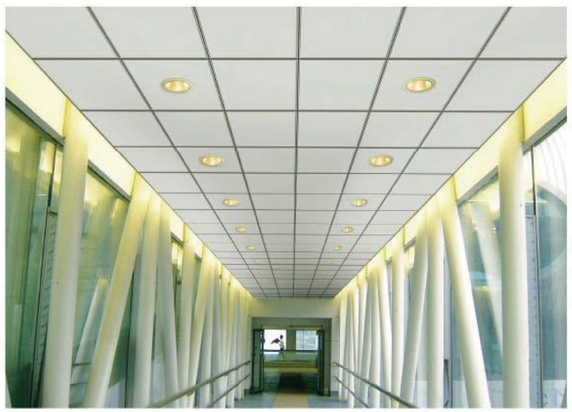
安装示意图

Installation diagram



Trapezoidal Ceiling





方板天花典雅、明快、大方、结构精巧、品种多样、具有无懈可击的防火、防潮功能，易于清洁、拆装方便、检修线路更方便。

适于高级写字楼、会所、银行、商场等地方使用。多种色彩、规格可供选择。

Square plate ceiling is elegant, lively, decent, with exquisitestructure, variety of types, with impeccable fireproof andmoisture-proof function, easy to be cleaned, easy to be dis-assembled and more convenient for electrical wires maintenance.

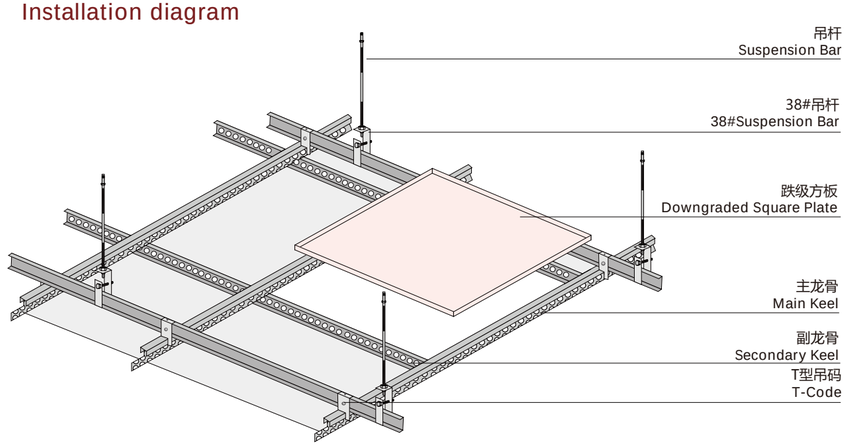
Suitable for senior office buildings, clubs, banks, shoppingmalls, etc. A variety of colors and specifications are available.

常用规格 COMMON SPECIFICATIONS

600x600mm,600x1200mm

安装示意图

Installation diagram



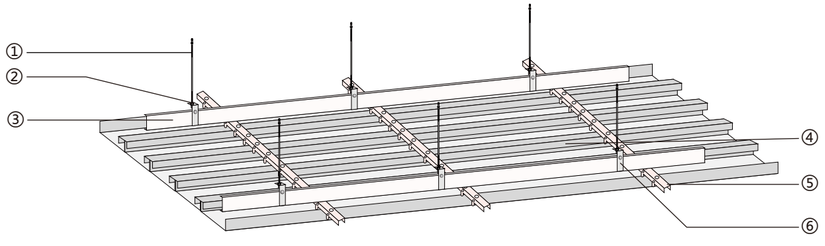
C-Type Closed Buckle Ceiling

造型优美:外形美观且颜色繁多，清晰流畅的线条，各式的造型，配予数十种标准颜色，能组合出各式各样的装饰风格，塑造出不同的视觉效果。实用性强、低耗能:标准龙骨卡扣式结构，外表平整，绝无间隙。

Beautiful design: various color, clarity and fluent line,beautiful appearance, match to dozens of standardcolor. can combination all kinds of deco-ration style,create a different visual effects. High practicability and towconsumption: standard keel card buckles type structure,smooth appearance, no clearance.







安装示意图

Installation diagram

①M6吊杆/M 6bar

②主龙骨吊件/Main carrier fitting

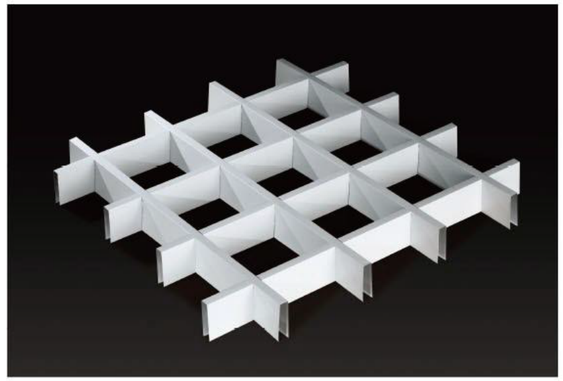
③主龙骨/Main carrier

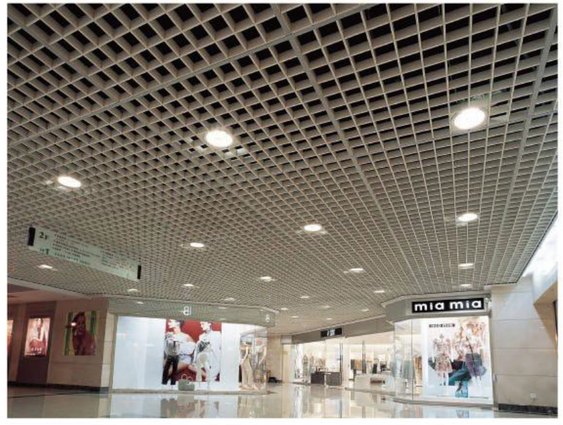
④C型平面条扣板/C-shaped flat strip panel

⑤C型条扣龙骨吊件/C-shaped strip carrier fitting

⑥C型条扣龙骨/C-shaped strip carrier

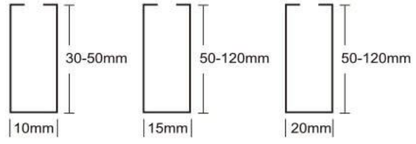
Grille Ceiling

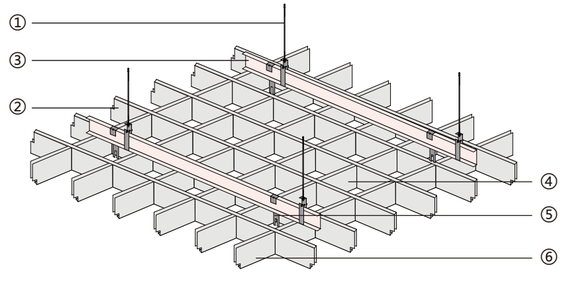




格栅天花系列主骨、副骨纵横分布，由格与格的连续组合所构成的吊顶天花，能舒缓由于封闭式所造成的压抑感，令视觉效果连续平整，结构严谨。可根据色彩、规格、施工方法及照明能装饰出各种千变万化的天花吊顶。格栅天花，通风性能好，通透式结构，纵横交错的天花主副骨组合方格，线条挺直，经纬分明，具有掩饰视觉方向感，能有效舒缓空间带来的压抑感，适合大面积场所使用安装。

The grille ceiling series is a crisscross pattern with main and-accessory frameworks,a?continuous composite lattice dativesuspended ceiling, may relieve the sense of oppres-sion causedby a closed space, and give a continuous and smooth visual effectwhich is well structured. With different color, specifications,construction methods and lighting, a variety of suspended ceilingcould be decorated.





安装示意图

Installation diagram

①吊杆/suspension rod

②38#吊件/38# carrier clip

③38#龙骨/38# carrier

④格栅主骨/Grille main carrier

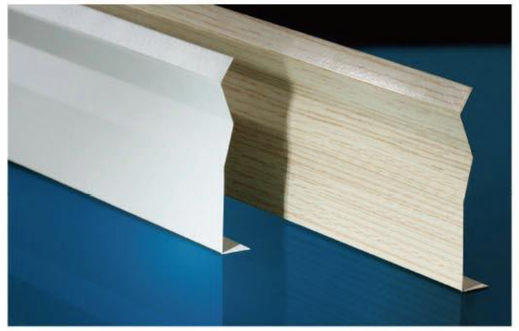
⑤格栅吊件/Grille clip

⑥格栅副骨/Grille cross-carrier

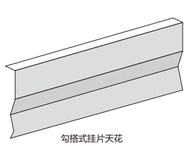
Plug-in Tab Ceiling

挂片天花系列，极具方向性，通透开阔，立体感强棱角线条清晰明朗，新颖独特。可调节装饰空间视觉高度，搭配各种不同颜色，悬挂不等高度，引入不同灯光效果，相益辉映，展现明快、飘逸、时尚、谐美的装饰风格。加以防风码安装结构，应用于室外装饰能有效防风，效果更鲜明。通透的安装方法，装拆简易快捷。

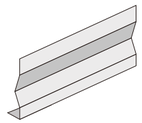
Ceiling series with inserted hanging pieces, highly directional,transparent and open, with a strong three-dimensional sense.clear and bright edges and corners, which is novel and unique.May makes the visual height of a decorative space adjustable,matched with different colors, hanged at different suspensionheight, introducing different lighting effects, add radiance andbeauty to each other, showing a bright, elegant, fashion, fairbeautiful decorative style. Added with wind proof core installationstructure, it can be used for outdoor decoration to prevent windeffectively with a more distinct effect. Transparent installationmethod makes it easy for installation and dis-assembly.



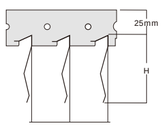




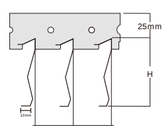
勾搭式挂片天花
Hook-and-Loop Tab Ceiling



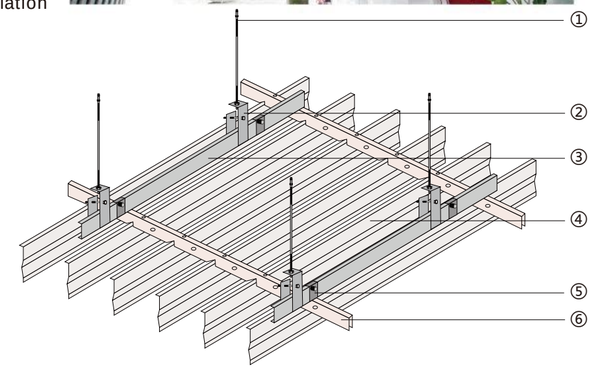
勾搭式挂片天花-B
Hook-and-Loop Tab Ceiling-B



型号:124挂片
Model:124 Hanging Tabs



型号:120挂片
Model:120 Hanging Tabs



安装示意图

Installation diagram

①M8吊杆/M8 boom

②主龙骨吊件/Main Keel Spreader

③主龙骨/Main keel

④挂片/Hanging piece

⑤龙骨吊件/Keel Spreader

⑥勾搭式挂片龙骨/Hook-and-loop type hanging piece keel

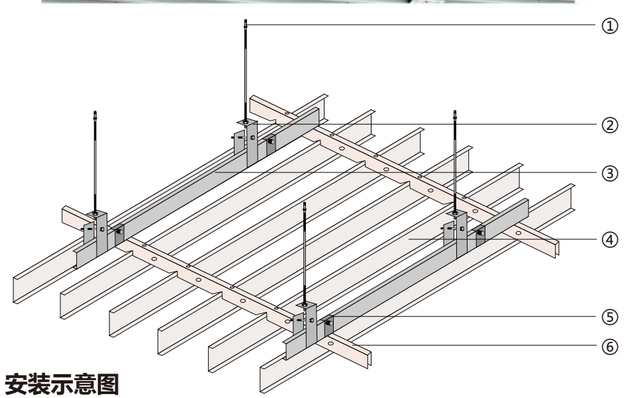
Drape Tab Ceiling

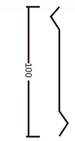




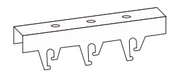
这是一种装饰性天幕型吊顶，可调节房屋视觉高度，并可隐藏楼底的所有管道和其他设施，同时还可以使进入房间的日光或灯光柔和均匀。挂片天花由铝合金条板及龙骨组成，装拆灵活。钩搭式有124mm高，挂片天花绝不影响房屋的吸音以及消防喷淋、空调系列等设施的安装，备有多种颜色可供选择。该产品适用于建材装饰、机场、地铁站等大型场所。

This is a decorative curtain type ceiling, which makes the housingvision height adjustable, and can hide all pipelines and other facilitiesat the bottom of the building, and can also make the sunlight orlighting in the room softer and evener. Ceiling with hanging piecesis composed of aluminum alloy plates and keels, which is flexibleto be assembled and disassembled. The hook on type is 124mmhigh, the hanging ceiling will never affect the sound-absorbing of thehouse and the installation of facilities such as fire sprinkler, air.conditioning series, etc., with a variety of colors available. The productis suitable for building materials decoration, airports, subway stationsand other large sites.





挂式垂片系列
Hanging Lappet Series



挂式垂片龙骨
Hanging Lappet Keel

安装示意图

Installation diagram

①M6吊杆/M6 boom

②主龙骨吊件/Main Keel Spreader

③主龙骨/Main keel

④挂片/Hanging piece

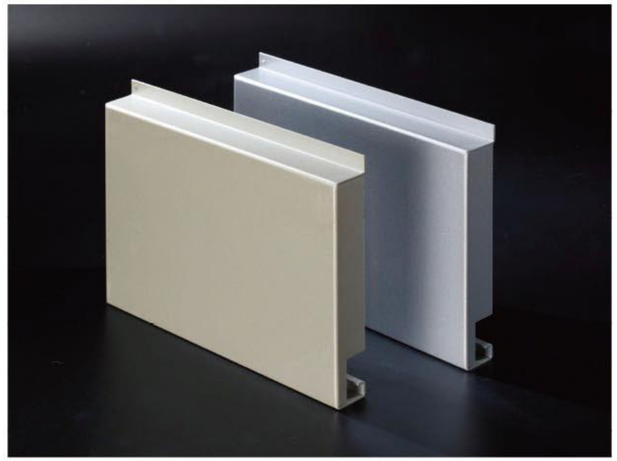
⑤龙骨吊件/Keel Spreader

⑥单边挂片龙骨/Single-sided hanging piece keel

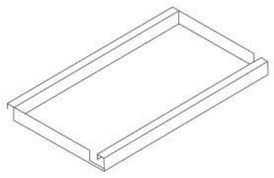
Hook-and-loop ceiling

勾搭式天花，根据实际空间的需要，灵活设计天花板面的尺寸。固定龙骨系统后可徒手装卸，不需任何辅助工具，灵活简易。龙骨系统配有防风码结构，其功能可以在暴风气候下，结构牢固。适合设计成各种装饰效果及形状。被广泛应用于天花活动性能要求较高的场所。

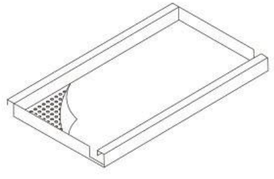
Hook on ceiling, according to the actual needs of thespace, may be flexible in designing the ceiling surfacesize. After the keel system is fixed, it can be loadedand unloaded by hand without any auxiliary tools.Keel system with wind proof code structure, mayfunction in a storm climate with a firm structure.Suitable to be designed into all kinds of decorativeeffects and shapes, is widely used in the places withhigh requirements for flexible ceilings.







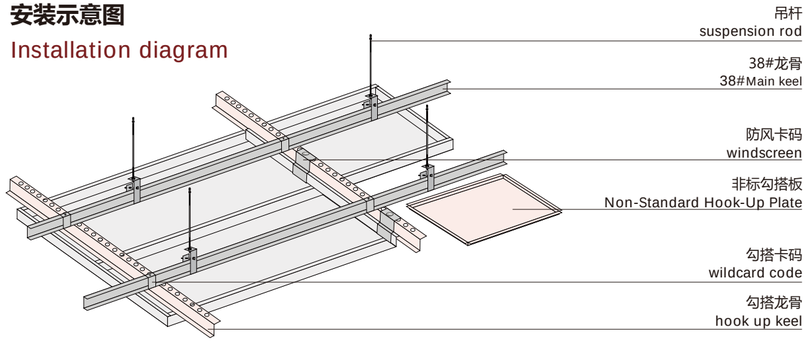
平面型勾搭板
Flat-type hook-on panel



冲孔型勾搭板
Perforated hook-on panel

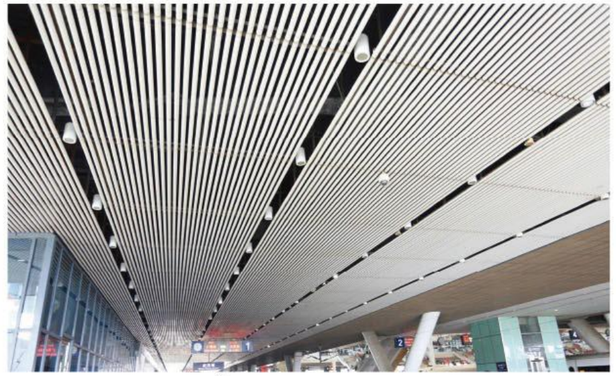
安装示意图

Installation diagram



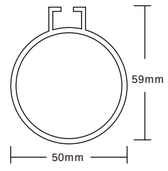
O-round tube series



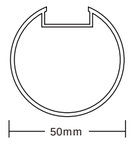


圆通天花主要应用在设备繁多及人流众多的区域，系统设计不但可隐蔽天花顶层的设备，并可提供简单便利的设备检查方式，产品有着开透，吸音和装饰等功能，并且具备现代时尚，超前，特显的效果;为现代大型购物商场、机场、车站等大型的建筑物，指定采用的天花装饰系统。

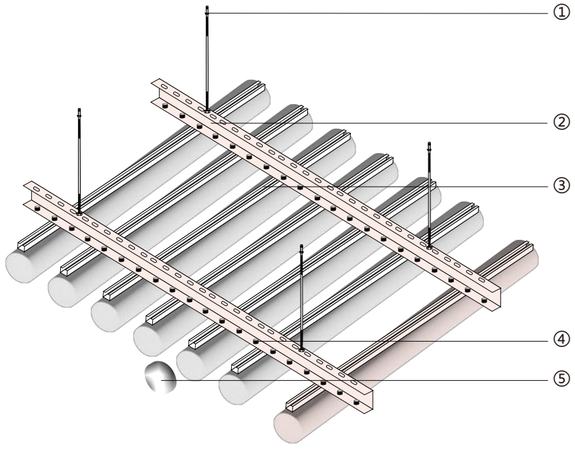
The circular tube ceiling is mainly used in areas withvarious equipment and many people, the systemdesign can not only hide equipment on the top of theceiling, and can also provide a simple and convenientway the equipment inspection, this product is withfeatures of thor-ough opening, sound-absorbing anddecorative functions, and with a sense of modernfashion, leading and special display effect; which isthe designated ceiling decoration system used forlarge buildings such as big modern shopping malls,airports, stations, etc.



中50圆管挂条Φ
50pipe Hanging Article



中50圆管挂条
Φ 50pipe Hanging Article



安装示意图

Installation diagram

①M6吊杆/M6 boom

②圆管龙骨/Round tube keel

③圆管铝通/Aluminum round tube

④M6螺丝/M6 screws

⑤圆形铝通封头盖/Round aluminum head cover

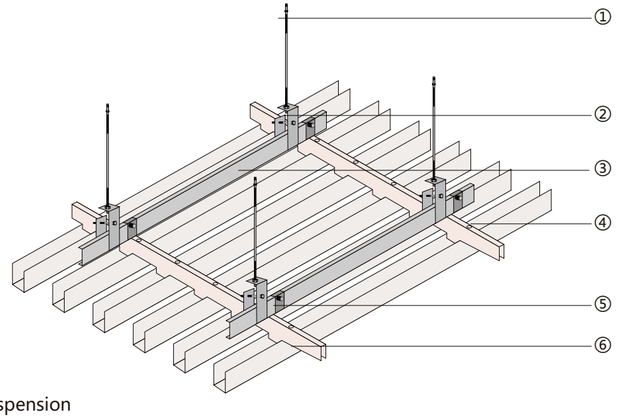
U-Shaped Square

这是一种全新的，有别于传统的新型天花格条，选用优质铝材，精密加工成型，并提供丰富的色彩选择，开放式的吊顶营造出了优美大方的造型和富于变化的色彩空间，为图书馆、高档写字楼、展厅等场所提供了完美的天花吊顶方案。

This is a completely new ceiling lattice differentfrom the traditional one, made of high qualityaluminum material, shaped through precisionfabrication with a rich selection of colors, the open-suspended ceiling makes it possible to create acolorful space with beautiful and elegant image andvariety of chang-es, provides a perfect ceiling solutionfor libraries, senior office buildings, etc.







安装示意图

Installation diagram

①M6吊杆/M6 boom

②主龙骨吊件/Main keel suspension

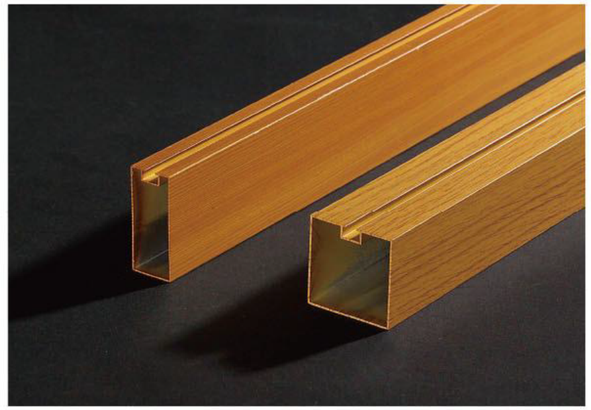
③主龙骨/Main keel

④U型平面条扣/U-type plane buckle

⑤U型条扣龙骨吊件/U-type buckle keel suspension

⑥U型条扣龙骨/U-shaped buckle keel

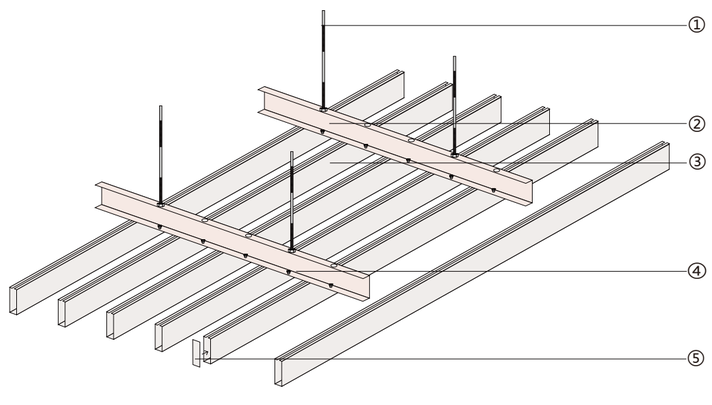
Profile Aluminum Cube





型材方通通过连续滚压或冷弯成型，安装结构为专用龙骨卡扣式结构，安装方法简单方便，适用于室内装饰。产品有着开透、吸音和装饰等功能，并且具备现代时尚、超前效果。通过面板高度、方向以及照明和颜色的变化，将吊顶表现得更加通透和富有动感。广泛应用于走廊、酒吧、商场、写字楼、图书馆、会所、广场、会展、地铁站、机场等场所。

It through continuous rolling or cold bending, special keelcard buckles type installation structure, simple andconvenient, suitable for interior decoration This productsis open transparent, sound-absorbing and decorationfunctions, and with modern fashion, leading effect,Through changes height, direction and lighting andcolor, put ceiling more transparent and mov-ing.Widelyused in corridor ,bars,shopping malls, officebuildings,library club,square, exhibition, subway-station,airport and other places.



安装示意图

Installation diagram

①M6吊杆/M6 boom

②方管龙骨/Square tube keel

③方管铝通/Aluminum square tube

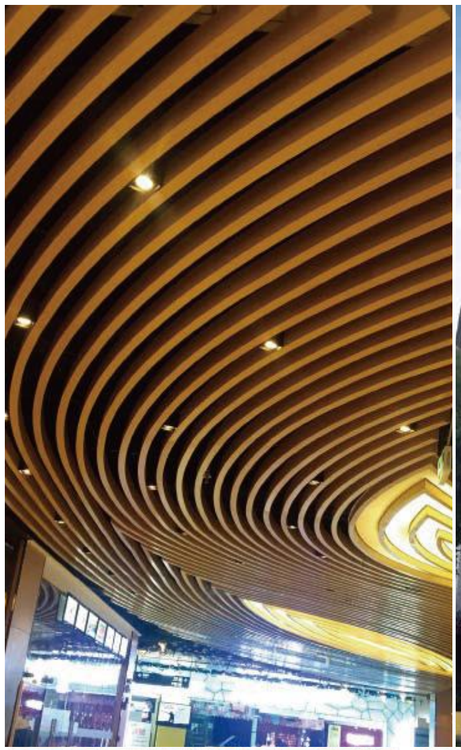
④M6螺丝/M6 screws

⑤方形铝通封头盖/Square aluminum head cover

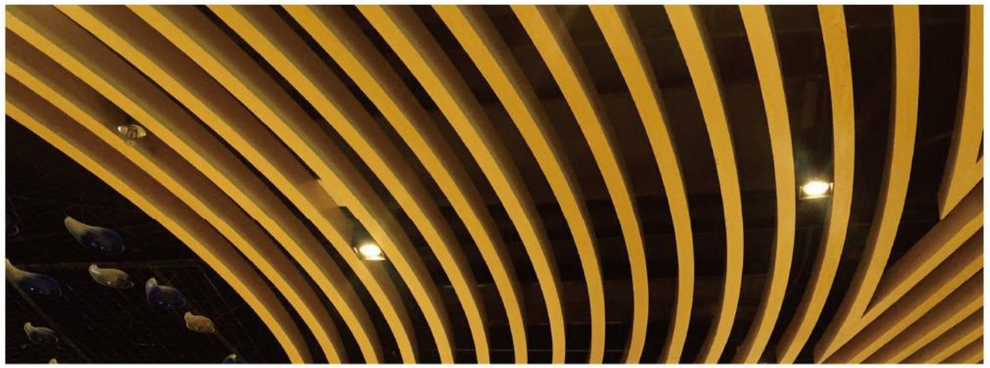
Shaped Squares

异型方通天花，可塑造不同的形状性，通透开阔，立体感强烈，棱角线条清晰明朗，新颖独特。可调节装饰空间视觉高度，搭配各种不同颜色，悬挂不等高度，引入不同灯光效果，相益辉映，展现明快、飘逸、时尚、谐美的装饰风格。加以防风码安装结构，应用于室外装饰能有效防风，效果更鲜明。通透的安装方法，装拆简易快捷。

Shaped square tube ceilings can be shaped into different shapes.transparent and open, with strong three-dimensionality, clear and clearlines, novel and unique.Adiustable decorative space visual height, witha variety of different colors, hanging heights, introducing different lightingef-fects, reflecting each other, showina a briaht, elegant, stylish, harmoniousdecorative style. The windproof code installation structure is applied tothe outdoor decoration to effectively prevent wind and the effect is morevivid.Transparent installation method, easy to install and disassemble.





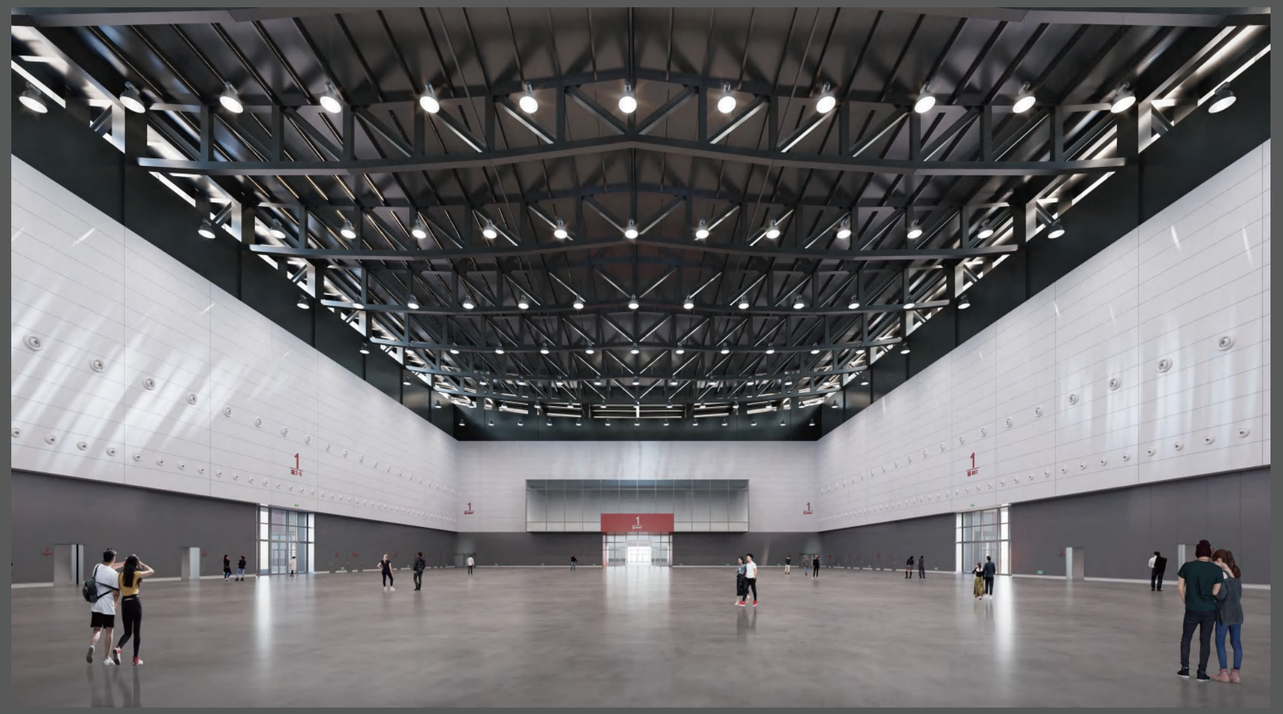






C

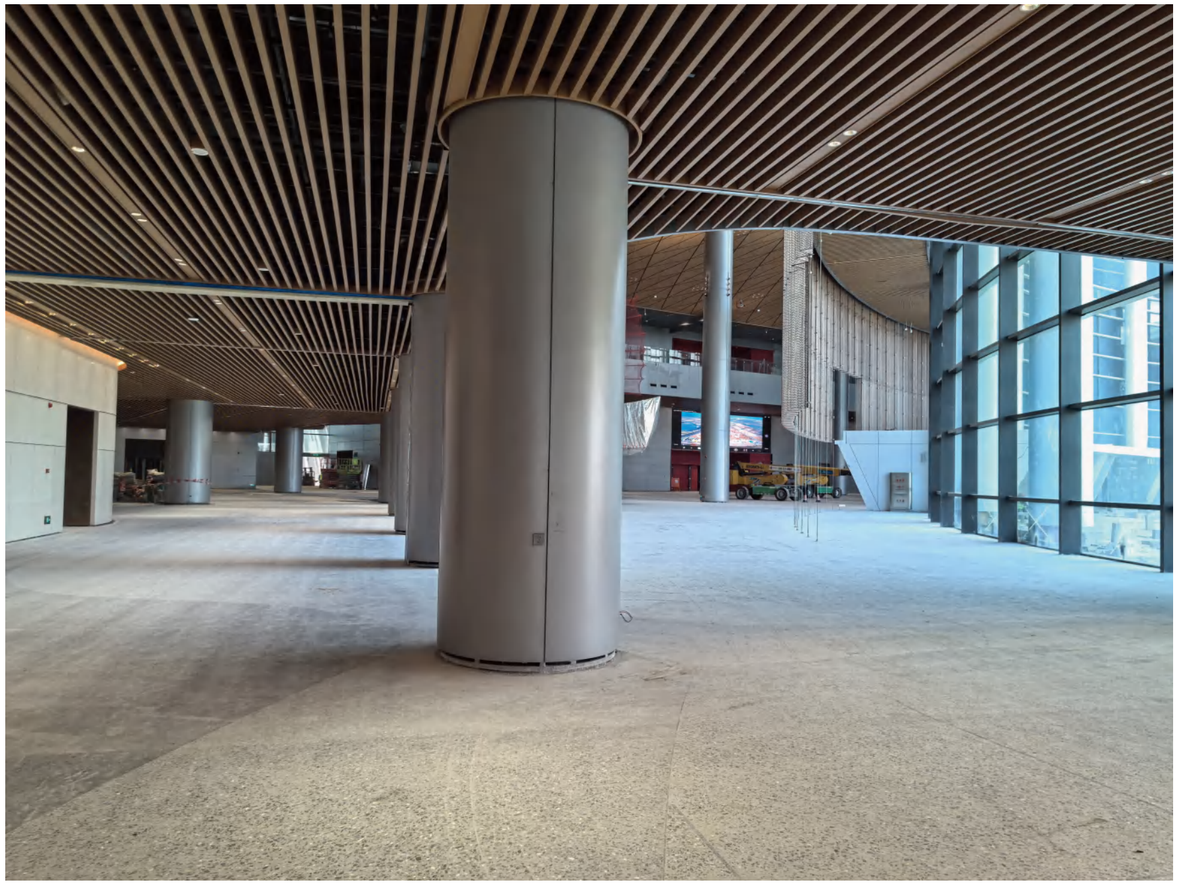
Project Showcase



METAL values every project, putting in full effort from order to execution to ensure the highest standards. We not only offer high-quality aluminum panels, curtain walls, and ceiling products, but are also committed to bringing exceptional solutions to clients across the globe.




贵宾大厅 - 3号门
贵宾室 1-2
多功能厅
中会议室 1-2
1F





Precedents

2015

广州知遇花园餐厅	1000 ㎡
广西威斯汀 KTV	3000 ㎡
孟加拉万豪酒店	15000 ㎡
英国伦敦 Grand Sappire 酒店	10000 ㎡

2016

山东迈赫机器人公司总部	8000 ㎡
广州鹏博士运营中心	4000 ㎡
中交集团南方总部基地（广州）	12000 ㎡
柬埔寨元创国际中心	8000 ㎡
常州红事会 · 花鸟园婚礼酒店	6000 ㎡

2017

英国伦敦 Spice Village 餐厅	2000 ㎡
印度新德里 Azziza Banquet Hotel 婚宴酒店	3500 ㎡
山东济南中铁城售楼中心	8000 ㎡
广西宝中宝集团 KTV 以及酒吧	3500 ㎡
海南长弘御墅售楼中心	4900 ㎡
青海西宁三江海鲜城	3000 ㎡

2018

贵州凤冈信用社大楼	3000 ㎡
山东力高齐河售楼部	6000 ㎡
广东顺德文化广场	10000 ㎡
海南龙沐湾售楼部	10000 ㎡
蒙古国 TSAST集团医院项目	7500 ㎡
美国纽约 NinePlus KTV	3500 ㎡
青海西宁鸿星海鲜城	6000 ㎡
印度 MHONE 婚宴中心	8000 ㎡

2019

广州翡翠希尔顿酒店	5000 ㎡
江门碧桂园售楼部	8000 ㎡
深圳 Super Face 酒吧	7500 ㎡
南京丽思卡尔顿酒店	9000 ㎡

2020

贵州铜仁农商行大楼	9000 ㎡
西安云门会所	4500 ㎡
马来西亚多比多集团连锁店	5000 ㎡
青海西宁珠江海鲜大世界	6000 ㎡

2021

甘肃兰州万福城	12000 ㎡
湖南衡山道售楼部	6500 ㎡
青海西宁珠江 7 号海鲜	5000 ㎡

2022

甘肃王子饭店	5000 ㎡
广州永辉纸业总部	5800 ㎡
广州老年干部活动中心	3500 ㎡
长沙桔子水晶酒店	6000 ㎡

2023

英国 Dawat 餐厅	8000 ㎡
青海西宁金富苑火锅	8000 ㎡
江门摩塞尔办公大楼	15000 ㎡
青海西宁香格里拉餐厅	6000 ㎡
深圳 YNOT 酒吧	6000 ㎡

2024

汕头会展中心	35000 ㎡
孟加拉达卡万豪酒店	5000 ㎡



2015

Guangzhou Knowing Garden Restaurant	1000 ㎡
Westin Guangxi KTV	3000 ㎡
Bangladesh Marriott Hotel	15000 ㎡
Grand Sappire Hotel, London, UK	10000 ㎡

2016

Shandong Meher Robotics Company Headquarters	8000 ㎡
Guangzhou Dr. Peng Operation Center	4000 ㎡
CCCC Southern Headquarters Base (Guangzhou)	12000 ㎡
Cambodia Yuanchuang International Center	8000 ㎡
Changzhou Red Club - Flower Bird Garden Wedding Hote	6000 ㎡

2017

Spice Village Restaurant, London, England	2000 ㎡
Azziza Banquet Hotel, New Delhi, India	3500 ㎡
Zhongtie City Sales Center, Jinan, Shandong, China	8000 ㎡
Guangxi Baozhongbao Group KTV and Bar	3500 ㎡
Hainan Changhong Villa Sales Center	4900 ㎡
Sanjiang Seafood City, Xining, Qinghail	3000 ㎡

2018

Guizhou Fenggang Credit Union Building	3000 ㎡
Shandong Ligao Qihe Sales Office	6000 ㎡
Guangdong Shunde Culture Plaza	10000 ㎡
Hainan Longmu Bay Sales Office	10000 ㎡
Mongolia TSAST Group Hospital Project	7500 ㎡
New York, USA NinePlus KTV	3500 ㎡
Hongxing Seafood City, Xining, Qinghai	6000 ㎡
MHONE Wedding Center, India	8000 ㎡

2019

Guangzhou Jade Hilton Hotel	5000 ㎡
Jiangmen Cinnamon Garden Sales Office	8000 ㎡
Super Face Bar, Shenzhen	7500 ㎡
The Ritz-Carlton, Nanjing	9000 ㎡

2020

Guizhou Tongren Agricultural and Commercial Bank Building	9000 ㎡
Xi'an Yunmen Clubhouse	4500 ㎡
Malaysia Dobedo Group Chain Store	5000 ㎡
Pearl River Seafood World, Xining, Qinghai, China	6000 ㎡

2021

Gansu Lanzhou Wanfu City	12000 ㎡
Hunan Hengshan Road Sales Office	6500 ㎡
Pearl River 7 Seafood, Xining, Qinghai	5000 ㎡

2022

Gansu Prince Hotel	5000 ㎡
Guangzhou Yonghui Paper Headquarters	5800 ㎡
Guangzhou Senior Cadre Activity Center	3500 ㎡
Changsha Orange Crystal Hotel	6000 ㎡

2023

Dawat Restaurant, UK	8000 ㎡
Jin Fu Yuan Hot Pot, Xining, Qinghai, China	8000 ㎡
Jiangmen Mosel Office Building	15000 ㎡
Shangri-La Restaurant, Xining, Qinghai	6000 ㎡
YNOT Bar, Shenzhen	6000 ㎡

2024

Shantou Exhibition Center	35000 ㎡
Dhaka Marriott Hotel, Bangladesh	5000 ㎡

