



CREATING A BRIGHT LIFE
创造美好生活

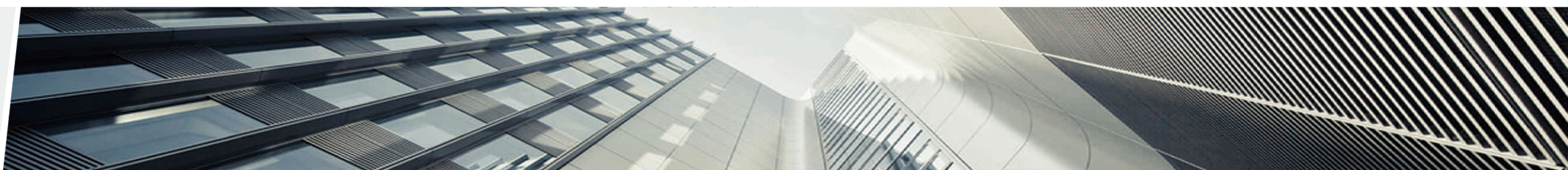
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公司简介

Company Profile

东莞市坤兴玻璃制品有限公司(以下简称“坤兴玻璃”,“KXGLASS”),创立于二十世纪九十年代初,坐落于美丽富饶的粤港澳大湾区,具有世界工厂美誉的城市——东莞。毗邻深圳,广州,交通便利,直接辐射珠三角各城市。KXGLASS专业从事玻璃深加工,集生产,销售,服务于一体的现代化工贸一体的企业。

KXGLASS占地面积两万五千平方米,标配宽敞明亮的工作车间,现代化办公楼以及设施齐全的宿舍楼。厂区环境优美,大规模投入和使用先进的自动化生产设备,培养和储备了国内外技术精英人才。“发展是第一要务,人才是第一资源,创新是第一动力,”采用科学的管理模式,重视人才成长和培养,不断提升生产效率和管理效能。

坤兴玻璃主导产品:

Low-E玻璃、镀膜玻璃、钢化玻璃、热浸处理、中空玻璃、夹层玻璃、热弯玻璃、弯钢化玻璃、彩釉玻璃、数码打印玻璃、AG和AR玻璃、节能玻璃、环保玻璃、特种玻璃及以上各种玻璃组合的复合产品。

KXGLASS将秉承着以质量为中心,让客户满意的原则,艰苦拼搏,不断向上,缔造新时代建筑领域的典范。

使命: 打造明亮生活空间

价值观: 诚信 感恩 创新 责任

精神: 专业务实 协同 奉献

愿景: 成为您值得信赖的企业



Dongguan Kunxing Glass Products Co., Ltd. (referred to as "Kunxing Glass", "KXGLASS", KXG), founded in the early 1990s, is located in the beautiful and rich Guangdong-Hong Kong-Macao Greater Bay Area, a city known as the world's factory—Dongguan. Adjacent to Shenzhen and Guangzhou, transportation is convenient, and it directly radiates to cities in the Pearl River Delta. KXGLASS is a modern industrial and trade enterprise specializing in glass deep processing, integrating production, sales, and service.

KXGLASS covers an area of 25,000 square meters and is equipped with spacious and bright workshops, modern office buildings, and well-equipped dormitory buildings as standard. The factory area has a beautiful environment, large-scale investment, and use of advanced automatic production equipment, and has trained and reserved domestic and foreign technical talents. "Development is the priority, talents are the first resource, and innovation is the first driving force," adopts a scientific management model, attaches great importance to the growth and training of talents, and continuously improves production efficiency and management effectiveness.

The main product of KXGLASS:

Low-E glass, reflective glass, tempered glass, heat soak test, insulated glass, laminated glass, hot bending glass, curved tempered glass, silkscreen printing glass, digital printing glass, AG and AR glass, energy-saving glass, environmental protection glass, special glass, as well as various combinations of above-mentioned products.

KXGLASS will adhere to the principle of taking quality as the center and satisfying customers, work hard and keep improving, to create a model of building neighborhoods in the new era.

Mission: Creating a bright life

Spirit: Professional, Pragmatic, Collaborative, and Dedicated

Values: Integrity, Gratitude, Innovation, and Responsibility

Vision: Become a trustworthy enterprise

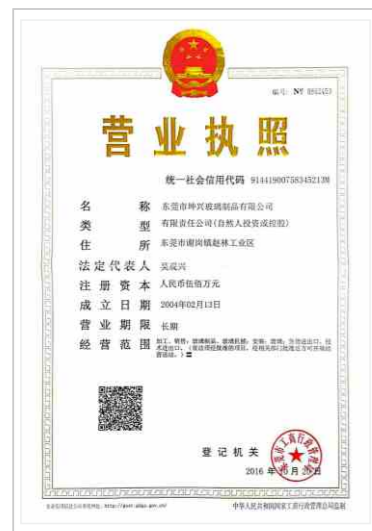
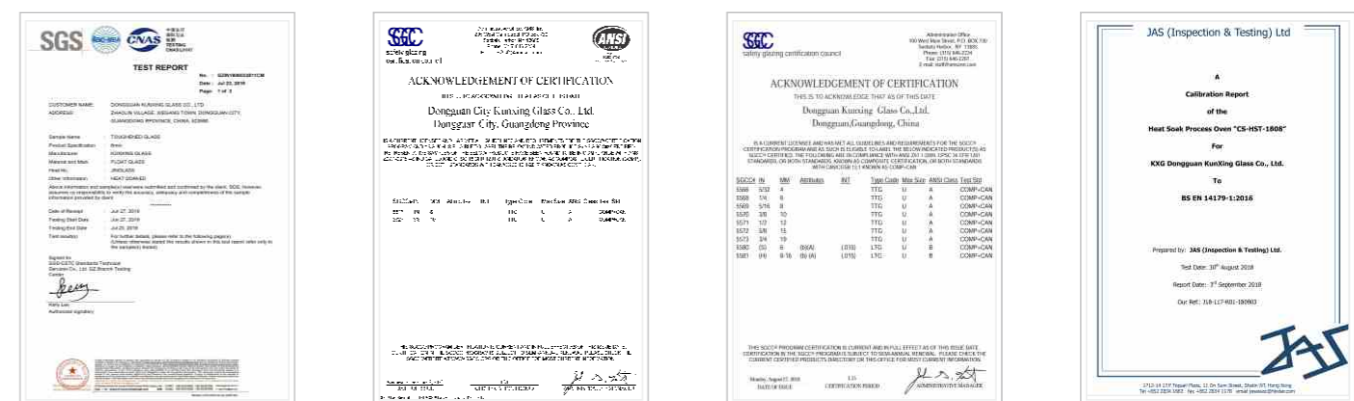


公司荣誉

Company Honor

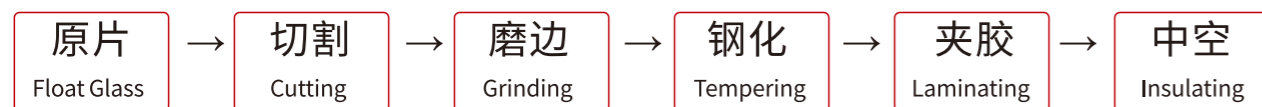
“丘山积卑以不高,江河合水而为大。”公司先后通过ISO国际认证,国家3C认证,同时针对国际市场具有欧洲CE/EN12150标准,澳标AS/NZS 2208,美标SGCC等国际标准。KXGLASS严格的质量控制和周到的客户服务,确保每个新老客户满意长期合作。

"Small hills become mountains when they are accumulated, and small rivers become oceans when they are gathered together." KXGLASS has successively passed the ISO international certification, CCC certification, European CE/EN12150 standards, Australian AS/NZS 2208 standards, American SGCC standards, and other international standards for the international market. KXGLASS strict quality control and thoughtful customer service, to ensure every new and old customer's satisfaction for long time cooperation.



合作伙伴 Company Honor





原片
Float Glass



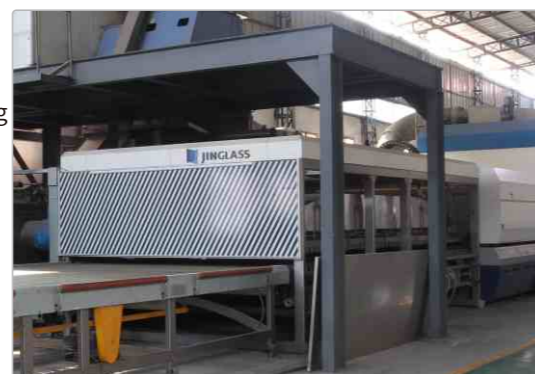
切
Cutting



磨
Grinding



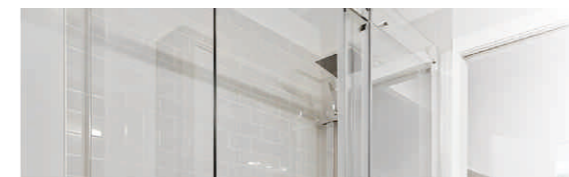
钢化
Tempering



夹胶
Laminating



中空
Insulating



钢化玻璃是将平板玻璃加热至软化温度点，然后用强大风力通过风栅均匀吹到玻璃的两个表面，玻璃迅速冷却，使压应力分布在玻璃表面，而张应力则在中心层，因为有强大相等的压应力，使外压所产生的张应力被玻璃强大的压应力所抵消，从而增加玻璃的安全度。

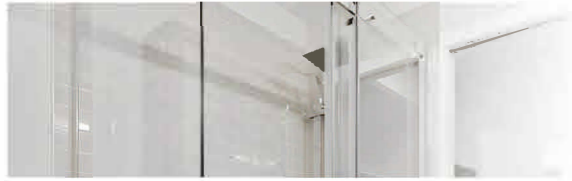
特 性:

安全性	钢化玻璃破碎时，整块玻璃板全部碎成较小的颗粒。碎片边角是钝的，大大降低了伤害程度。钢化玻璃由于这些良好的机械强度及独特的破碎方式而被称为安全玻璃。
强度高	钢化玻璃的抗冲击强度是普通退火玻璃的3~5倍，有较强的抵抗外界投掷物冲击及人体冲击的能力。钢化玻璃的抗弯强度也是普通退火玻璃的2~5倍，具有较强的抗风荷载。
挠度大	与同厚度的普通退火玻璃相比，钢化玻璃可以承受更大的外部应变，其抗应变力的增加取决于对玻璃钢化处理的程度。钢化玻璃的耐温度突变范围为250~320°C，而普通退火玻璃仅为70~100°C。因此钢化玻璃具有较强的耐温度突变能力。
应用	门、窗、隔断、阳光房，幕墙,护栏,桌面等。

Tempered glass is heat the flat glass to the softening temperature point, and then use strong wind to blow evenly to the two surfaces of the glass through the wind grid, the glass cooled rapidly, so that the compressive stress is distributed on the glass surface, while the tensile stress is in the center layer. Because there is Strong and equal compressive stress, the tensile stress generated by the external pressure is offset by the strong compressive stress of the glass, thus increasing the safety of the glass.

CHARACTERISTIC:

Safety	When tempered glass break, the entire glass plate is broken into smaller particles. The corners of the fragments are blunt, which greatly reduces the degree of damage. Tempered glass is called safety glass because of these good mechanical strengths and its unique way of breaking.
High strength	The impact strength of tempered glass is 3 to 5 times that of ordinary annealed glass, and it has a strong ability to resist the impact external throwing objects and human impact. The flexural strength of tempered glass is 2 to 5 times that of ordinary annealed glass, and it has strong wind load resistance.
Large deflection	Compared with ordinary annealed glass of the same thickness, tempered glass can withstand greater external strain, and the increase of its strain resistance depends on the degree of glass tempering. The temperature mutation resistance range of tempered glass is 250-320°C, while that of ordinary annealed glass is only 70-100°C. Therefore, tempered glass has a strong ability to withstand sudden changes in temperature.
Application	Doors, windows, partitions, greenhouses, curtain walls, balustrades, table top, etc.



平钢化玻璃

FLAT TEMPERED GLASS 玻璃

Product name Flat tempered glass

Thickness 3mm,4mm,5mm,6mm,8mm,10mm,12mm,15mm,19mm,22mm,25mm

Available sizes Minimum size : 300×300mm , Maximum size : 3300×13000mm

Color Clear, Ultra clear, Euro gray, Crystal gray, F green, Dark green, Ford blue, Sea blue , Etc.

Edge Polished edge (c edge, pencil edge) , Flat edge , Drill hole , Etc.

Application Doors, Windows, Partitions, Greenhouses, Curtain walls, Etc.



平钢化玻璃

FLAT TEMPERED GLASS 玻璃



Tempered glass
钢化玻璃



Tempered glass
钢化玻璃



Clear glass vs Ultra clear glass
白玻和超白对比

钢化、半钢化与普通玻璃的性能比较

Comparison of properties of tempered, semi-tempered and ordinary glass

Feature(性能)	Tempered(钢化)	Heat Strengthened(半钢化)	Normal(普通)
Safety(安全性)	Best(最好)	General(一般)	None(没有)
Thermal Stability(热稳定性)	250~320°C	100°C	2~100°C
Surface stress(表面应力)	95mpa	24~69mpa
Broken state(破碎状态)	Obtuse-Angles grain (钝角颗粒)	Shooting broken (放射状破碎)	Sharp(锐利)
Self-destruction(自爆)	Sometimes(会)	Seldom(基本不会)	Never(不会)



Restaurant Balustrade
餐厅护栏



Hotel Door
酒店门



Tempered glass broken into small cubical fragments
high safety human harmless
钢化玻璃破碎后的呈现

Normal glass broken into big and sharp fragments
easy hurt human
不钢化玻璃破碎后的呈现

Stresses balance
钢化玻璃



Office Partition
办公室隔断



Office Partition
办公室隔断



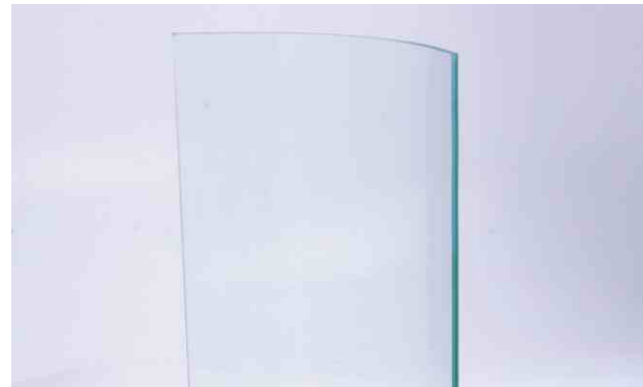
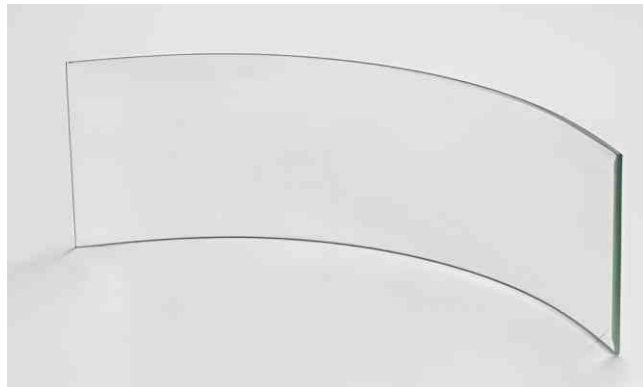
弯钢化玻璃

CURVED TEMPERED GLASS

弯钢化玻璃是指原片玻璃经钢化炉加热后，通过陶瓷辊道或石棉辊道输送至成形钢化段，首先上下成形辊道弯曲，使软化玻璃成弧度，然后辊道间的风栅吹风冷却钢化。

性能:

抗风压	弯钢化玻璃的生产方式与钢化玻璃的生产方式一样，都是在加热后通过快速的冷却让玻璃产生压应力来增强玻璃的强度。因此弯钢化玻璃具有与钢化玻璃一样的强度设计值，而其特殊的形状使其具有比钢化玻璃更好的抗风压性能。
安全性	破碎方式与钢化玻璃一样，钝角状的细小颗粒对人体无甚伤害。
耐热性	有很好的耐热冲击性能，在220°C ~ 250°C温差突变范围内可保持完好。
应用	玻璃幕墙、采光天棚、观光电梯、室内隔断、室内装饰、家具等。



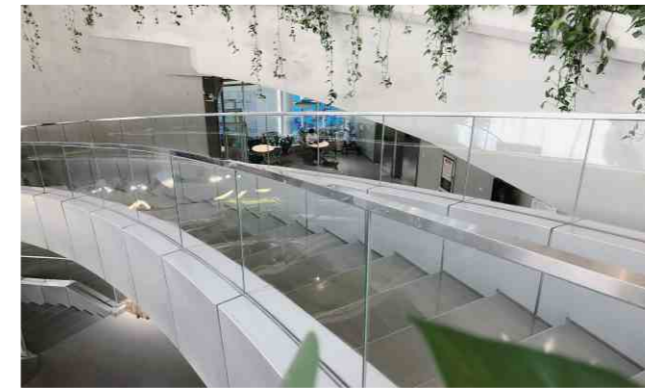
Bending tempered glass means that the original glass is heated by the tempering furnace, and then transported to the forming and tempering section through ceramic rollers or asbestos rollers. First, the upper and lower forming rollers are bent to make the softened glass into an arc, and then the air grid between the rollers is blown to cool it.

CHARACTERISTIC:

Wind pressure	The production method of bent tempered glass is the same as that of tempered glass. After heating, the glass is rapidly cooled to generate compressive stress to enhance the strength of the glass. Therefore, curved tempered glass has the same strength design value as tempered glass, and its special shape makes it have better wind pressure resistance than tempered glass.
Safety	The breaking method is the same as that of tempered glass, and the obtuse-angled fine particles do no harm to the human body.
Heat resistance	It has good thermal shock resistance and can remain intact in the range of sudden changes in temperature difference between 220°C and 250°C.
Application	Curtain wall, ceiling, sightseeing elevator, indoor partition, interior decoration, furniture, etc.



Shopping Mall
商场



Museum Railing
博物馆护栏



Store Railing
店铺护栏



Curved tempered glass
弯钢化玻璃



Curved tempered glass
弯钢化玻璃



Curved tempered glass
弯钢化玻璃



半钢化玻璃

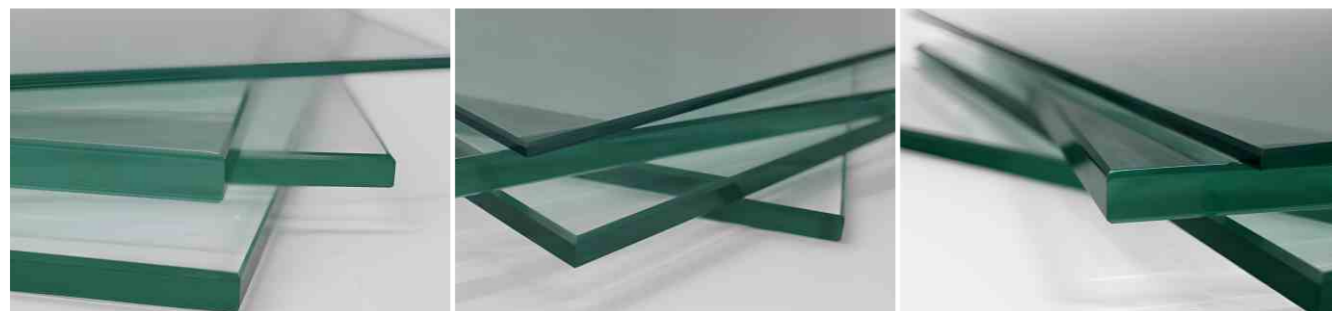
HEAT-STRENGTHENED GLASS

半钢化玻璃又称热增强玻璃。半钢化玻璃是退火玻璃通过高温和淬冷，表层形成低于69 MPa的压应力，使玻璃的机械强度数倍增加，即为半钢化玻璃。

半钢化玻璃介于普通平板玻璃和钢化玻璃之间的一个品种，它兼有钢化玻璃的部分优点，如强度较普通浮法玻璃高，是普通浮法玻璃的2倍，同时又回避了钢化玻璃平整度差，易自爆，一旦破坏即整体粉碎等不如人意之弱点。半钢化玻璃破坏时，沿裂纹源呈放射状径向开裂，一般无切向裂纹扩展，所以破坏后一般情况下仍能保持整体不塌落。

特 性:

强度高	半钢化玻璃的机械强度是同等厚度的普通退火玻璃的1.5-2倍。
热稳定性	热稳定性也明显地比退火玻璃好，普通玻璃半钢化处理后能经受的温差约75°C。
避免自爆	与钢化玻璃相比，半钢化玻璃最大优点减少了因热冲击引起的玻璃自爆现象。
应力残余	半钢化玻璃表面应力为：24~69 Mpa。其破碎后和普通玻璃一样，产品特点是半钢化玻璃的强度是退火玻璃的2倍以上。半钢化玻璃的生产过程与钢化玻璃相同，仅在淬冷工位的风压有区别，冷却能小于钢化玻璃。
平整度好	与钢化玻璃相比由于半钢化玻璃生产过程中冷却风压小、冷却速度慢、因此半钢化玻璃平整度更接近普通退火玻璃而远优于钢化玻璃。
用途	幕墙，暖房，室内隔断，特别适合于合成夹层玻璃。



Heat-Strengthened Glass
半钢化玻璃

Heat-Strengthened Glass
半钢化玻璃

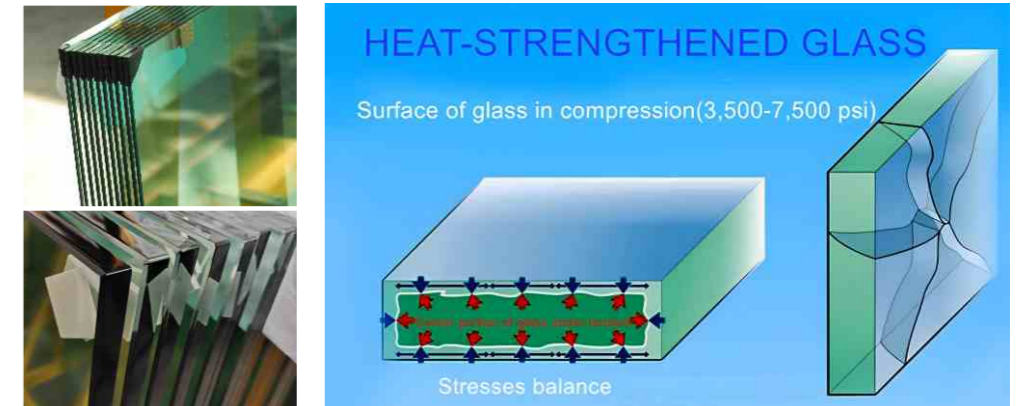
Heat-Strengthened Glass
半钢化玻璃

Product (品名)	Heat-strengthened glass
Thickness (厚度)	3mm,4mm,5mm,6mm,8mm,10mm,12mm,15mm,19mm,22mm,25mm
Available sizes (尺寸)	Min size: 300×300mm, max size: 3300×13000mm
Color (颜色)	Clear, Ultra clear, Gray, Green, Blue, Brown, etc
Edge (磨边工艺)	Polished edge (C edge, Pencil edge), Flat edge, Drill hole, etc



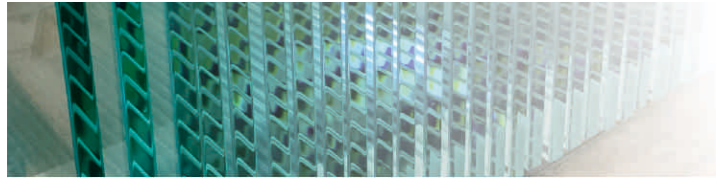
Semi-tempered glass is also called heat-strengthened glass. Semi-tempered glass is annealed glass through high temperature and quenching, the surface layer forms a compressive stress lower than 69 MPa, which increases the mechanical strength of the glass several times.

Semi-tempered glass is a variety between ordinary flat glass and tempered glass. It has some advantages of tempered glass, such as higher strength than ordinary float glass, which is twice that of ordinary float glass. At the same time, it avoids tempered glass. Unsatisfactory weaknesses such as poor flatness, easy self-explosion, and overall shattering once damaged. When the semi-tempered glass is damaged, it cracks radially along the crack source, and generally there is no tangential crack propagation, so it can still maintain the whole body without collapsing under normal circumstances after damage.



CHARACTERISTIC:

High strength	The mechanical strength of semi-tempered glass is 1.5-2 times that of ordinary annealed glass of the same thickness..
Thermal stability	The thermal stability is also significantly better than annealed glass. The temperature difference that ordinary glass can withstand after semi-tempering is about 75°C.
Avoid self-destruct	Compared with tempered glass, the biggest advantage of semi-tempered glass is that it reduces the glass self-explosion phenomenon caused by thermal shock.
Residual stress	The surface stress of semi-tempered glass is 24~69 Mpa. After it is broken, it is the same as ordinary glass. The product is characterized by the strength of semi-tempered glass is more than twice that of annealed glass. The production process of semi-tempered glass is the same as that of tempered glass, only the wind pressure at the quenching station is different, and the cooling energy is less than that of tempered glass.
Good flatness	Compared with tempered glass, the flatness of semi-tempered glass is closer to ordinary annealed glass and far better than that of tempered glass due to the small cooling wind pressure and slow cooling speed in the production process of semi-tempered glass.
Application	Curtain wall, greenhouse, indoor partition, especially suitable for composite laminated glass.



热浸玻璃

HEAT SOAK TEST



热浸处理又被称之为“均质处理”，也就是我们俗称的“引爆”。热浸处理是将钢化玻璃加热到 $260^{\circ}\text{C}\pm 10^{\circ}\text{C}$ ，并且保温一定的时间。这样能够促使硫化镍在钢化玻璃中快速完成晶相的一个转变。能够让原本使用后才可能自爆的钢化玻璃，提前的通过人为干预，在热浸炉中引爆，从而可以减少安装后使用中的钢化玻璃自爆。

它和钢化加工过程中的自动爆裂与贮存、运输、使用过程中的自爆是两个完全不同的概念，在这种情况下破坏的均为有外力作用下的破坏，如机械应力、热应力等。

经过热浸的玻璃也不是就完全根除了自爆。热浸后的玻璃自爆，主要的原因是热浸炉内的温差大，温差超过30摄氏度，那么就会出现这样的情况。因为在280摄氏度下热浸NiS的相变速率250摄氏度下热浸的100倍。

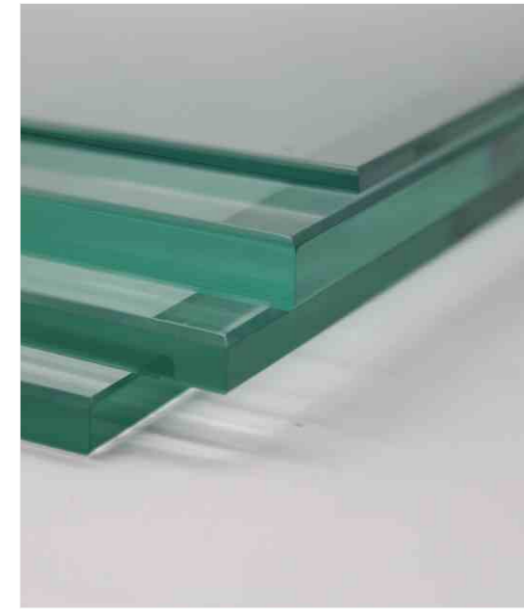
本公司拥有科技先进的大型热浸炉，并经由香港第三方检测机构认证，有效确保热浸处理后的钢化玻璃的稳定性和可靠性。



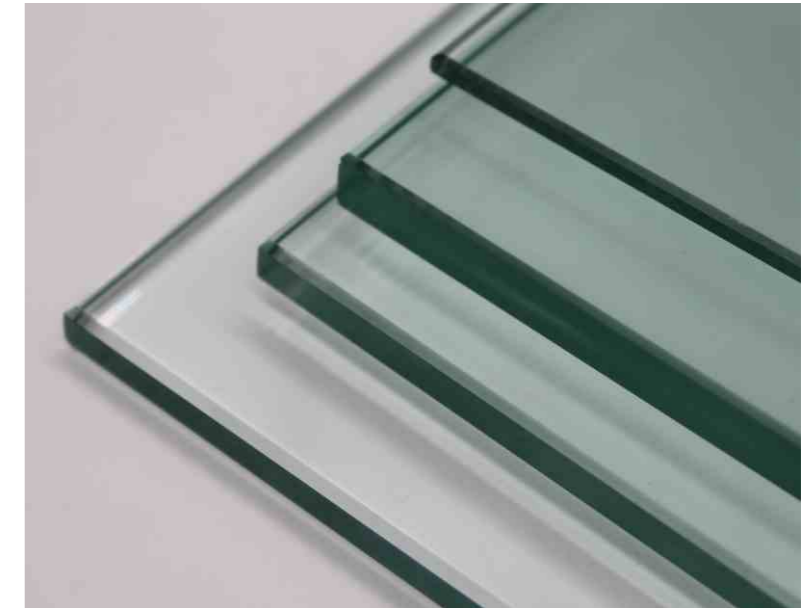
Heat soak test
热浸处理

Heat soak test
热浸处理

Thickness (厚度)	4-25mm
Available sizes (最大尺寸)	2440mm×15000mm, 13000mm×3300mm
Color (最小尺寸)	300mm×300mm
Standard (质量标准)	BS/EN14179



Heat soak test
热浸玻璃



Heat soak test
热浸玻璃

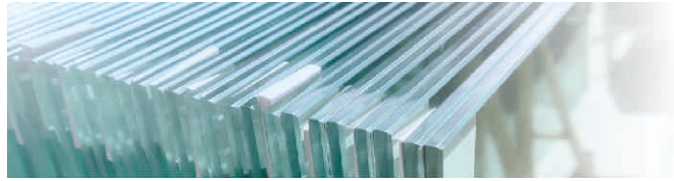
Heat soak test is also called "homogeneous treatment", which is what we commonly call "detonation". Heat soaking test is to heat tempered glass to $260^{\circ}\text{C}\pm 10^{\circ}\text{C}$ and keep it warm for a certain period of time. This can promote nickel sulfide to quickly complete a crystal phase transformation in the tempered glass. It can make the tempered glass that may explode after being used be detonated in the heat soak furnace through human intervention in advance, so as to reduce the self-explosion of the tempered glass in use after installation.

It is completely different from the self-explosion during the tempering process and the self-explosion during storage, transportation, and use. In this case, the damage is caused by external forces, such as mechanical stress, thermal stress, etc.

Heat-soaked glass does not completely eradicate self-explosion. The main reason for the self-explosion of the glass after hot soaking is that the temperature difference in the hot soaking furnace is large, and the temperature difference exceeds 30 degrees Celsius, so this will happen. Because the phase transformation rate of hot-dipping NiS at 280 degrees Celsius is 100 times that of heat soak at 250 degrees Celsius.

The company has a large-scale heat-dipping furnace with advanced technology, which has been certified by a third-party testing agency in Hong Kong to effectively ensure the stability and reliability of the tempered glass after heat-dipping treatment.





夹层玻璃

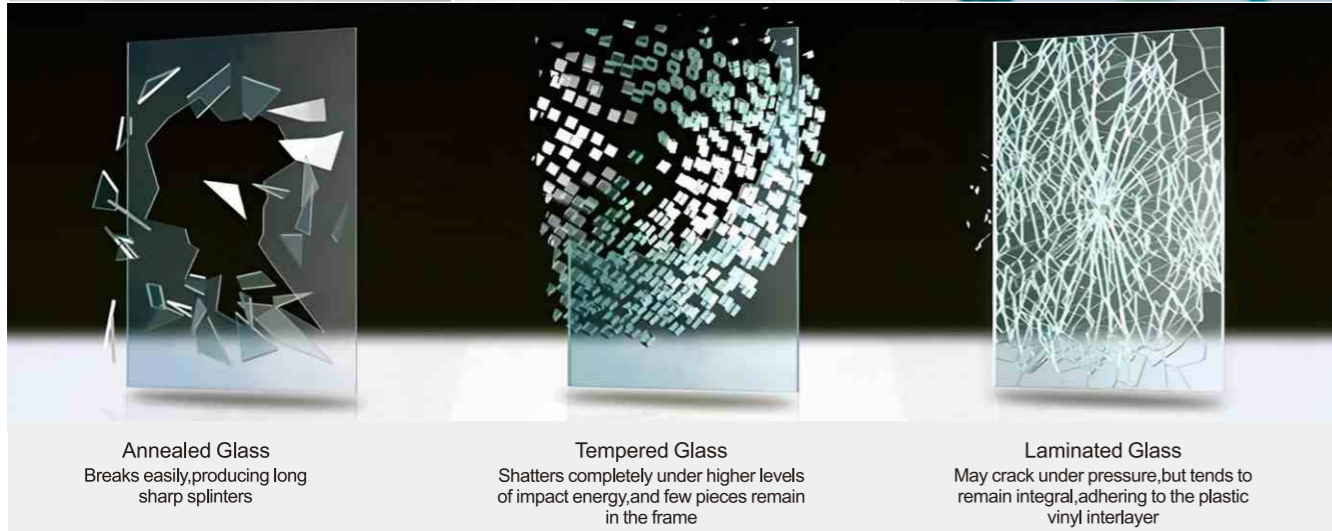
LAMINATED GLASS

夹胶玻璃也称夹层玻璃。夹层玻璃是由两片或多片玻璃之间夹上一层或多层有机聚合物中间膜，经过特殊的高温预压(或抽真空)及高压工艺处理后，使玻璃和中间膜永久粘合为一体的复合玻璃产品。

常用的夹层玻璃中间膜有:PVB、SGP、EVA、PET等。

特 性:

安全性	夹层玻璃受到外力冲击破裂时，胶层会吸收大量的冲击能，并使之迅速减弱，夹层玻璃很难被击穿，由于夹层玻璃中的膜层有高坚韧和强粘结力，夹层玻璃在破碎后，碎片仍保留在原位，在飓风区和地震区更适宜采用。
隔音性	胶膜对声波有较强阻尼作用，声波通过夹层玻璃时明显减弱，使工作或家居减少噪音的干扰。
防紫外线	夹层玻璃对紫外线有极高的隔断作用，可以保护室内的贵重家具、陈列品、艺术品等免受紫外线影响而褪色。
应用	采光顶、地板、幕墙门窗、家俬、橱窗、水族馆、护栏等。



Annealed Glass
Breaks easily,producing long sharp splinters

Tempered Glass
Shatters completely under higher levels of impact energy,and few pieces remain in the frame

Laminated Glass
May crack under pressure,but tends to remain integral,adhering to the plastic vinyl interlayer



夹胶中 (Laminating)

成品 (Laminated Glass)

Laminated glass is also called laminated glass. Laminated glass is made by sandwiching one or more layers of organic polymer intermediate film between two or more sheets of glass. After special high-temperature pre-pressing (or vacuuming) and high-pressure processing, the glass and the intermediate film are permanently bonded. An integrated composite glass product. Commonly used laminated glass interlayers are: PVB, SGP, EVA, PET, etc.



Glass Broken Test
夹胶玻璃破碎的呈现

Glass Broken Test
夹胶玻璃破碎的呈现

Office Facade
办公楼外立面

CHARACTERISTIC:

Safety	When the laminated glass break by external impact, the adhesive layer will absorb a large amount of impact energy and weaken it rapidly. The laminated glass is difficult to be broke down. Because the film layer in the laminated glass has high toughness and strong cohesive force, the laminated glass Fragments remain in place after breaking, making them more suitable for use in hurricane and earthquake areas.
Sound insulation	The adhesive film has a strong damping effect on the sound wave, and the sound wave is obviously weakened when it passes through the laminated glass, so that the work or home can reduce the noise interference.
Anti-UV	Laminated glass has a very high blocking effect on ultraviolet rays, which can protect valuable furniture, exhibits, artworks, from fading due to ultraviolet rays.
Applications	Skylights, floors, curtain walls, doors and windows, furniture, windows, aquariums, guardrails, etc.



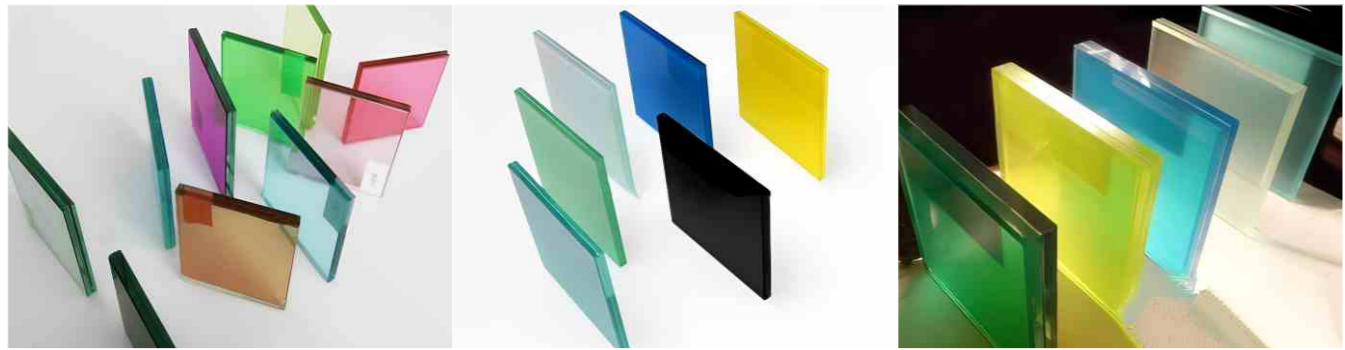
PVB夹层玻璃

PVB LAMINATED GLASS 玻璃

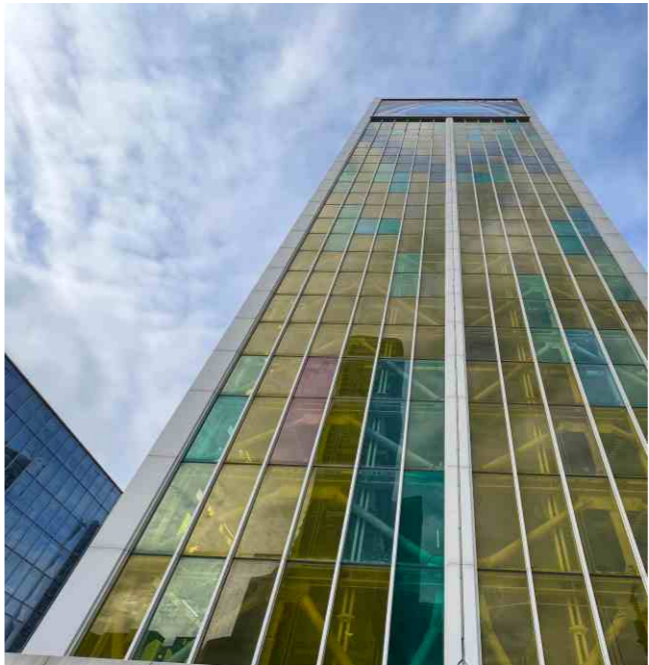
PVB全名为聚乙烯醇缩丁醛，PVB是目前建筑玻璃和汽车玻璃使用最广泛的夹层材料。具有良好的安全性、隔音性和耐紫外线，但耐水性不佳，长期潮湿浸泡易脱落开胶。具有较高的透明性、耐寒性、耐冲击性、耐紫外线。

特 性:

安全性	在受到外来撞击时，由于弹性中间层有吸收冲击的作用，可阻止冲击物穿透，即使玻璃破损，也只产生类似蜘蛛网状的细碎裂纹，其碎片牢固地粘附在中间层上，不会脱落四散伤人，并可继续使用直到更换。
防盗性	PVB夹层玻璃非常坚韧，即使盗贼将玻璃敲裂，由于中间层同玻璃牢牢地粘附在一起，仍保持整体性，使盗贼无法进入室内。安装夹层玻璃后可省去护栏，既省钱又美观还可摆脱牢笼之感。
隔音性	由于PVB薄膜具有对声波的阻尼功能，PVB夹层玻璃能有效地抑制噪音的传播，特别是位于机场、车站、闹市及道路两侧的建筑物在安装夹层玻璃后，其隔音效果十分明显。
防紫外线性能	PVB薄膜能有效吸收紫外线，从而保护了室内家具、塑料制品、纺织品、地毯、艺术品、古代文物或商品免受紫外线辐射而发生的褪色和老化。
节 能	PVB薄膜制成的建筑夹层玻璃能有效地减少太阳光透过。同样厚度，采用深色低透光率PVB薄膜制成的夹层玻璃阻隔热量的能力更强。
应 用	护栏、橱窗、幕墙、雨棚、墙面等。



Laminated glass is made by sandwiching one or more layers of organic polymer intermediate film between two or more sheets of glass. After special high-temperature pre-pressing (or vacuuming) and high-pressure processing, the glass and the intermediate film are permanently bonded. An integrated composite glass product. Commonly used laminated glass interlayers are: PVB, SGP, EVA, PET, etc.



Office Curtain Wall
办公楼幕墙



Office Curtain Wall
办公楼幕墙



Decorated House
装饰房屋



Decorated Wall
装饰墙面



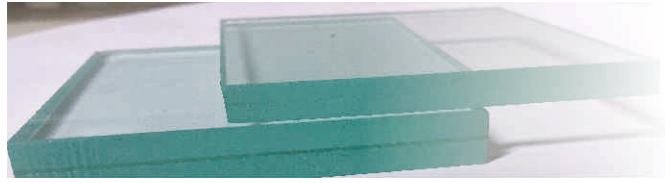
Home Partition
家装隔断



Window
窗户

CHARACTERISTIC:

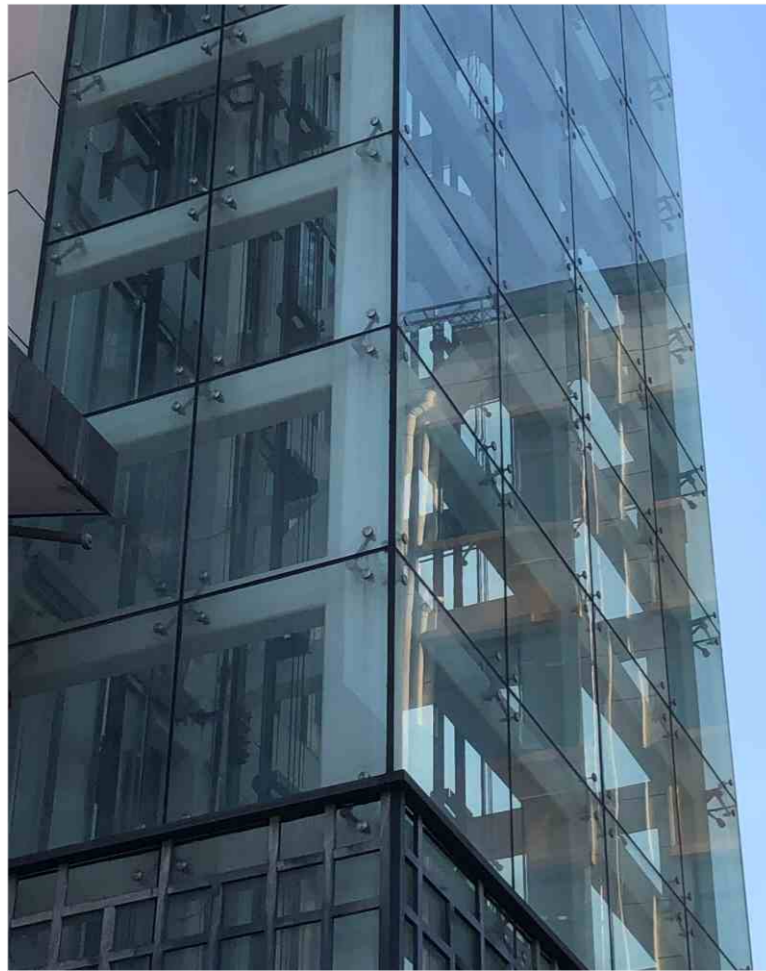
Safety	When subjected to external impact, due to elastic middle layer has the function of absorbing shock, it can prevent the impact objects from penetrating. Even if the glass is damaged, only cracks like spider webs will be produced, and the fragments will be firmly adhered to the middle layer. It will fall off, scatter and hurt people, and can continue to be used until replaced.
Anti-theft	PVB laminated glass is very strong, even if the glass is cracked by thieves, because the interlayer is firmly adhered to the glass, it still maintains integrity, making it impossible for thieves to enter the room. After the laminated glass installed, the guardrail can be omitted, which saves money, looks beautiful.
Sound insulation	Since the PVB film has the function of damping sound waves, PVB laminated glass can effectively suppress the transmission of noise, especially the buildings located at airports, stations, busy cities and on both sides of the road, after installing laminated glass, the sound insulation effect is very obvious.
UV protection	PVB film can effectively absorb ultraviolet rays, thus protecting indoor furniture, plastic products, textiles, carpets, artworks, ancient relics or commodities from fading and aging caused by ultraviolet radiation.
Energy saving	Architectural laminated glass made of PVB film can effectively reduce the penetration of sunlight. With the same thickness, the laminated glass made of dark low light transmittance PVB film has a stronger ability to block heat.
Applications	Guardrails, windows, curtain walls, canopies, walls, etc.



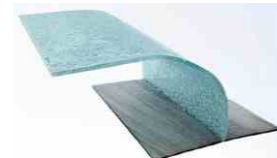
SGP夹层玻璃

SGP LAMINATED GLASS

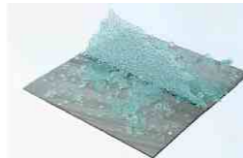
SGP名为离子性中间层。中间层材料主要为乙烯-甲基丙烯酸共聚物。离子型胶片SGP的剪切模量是PVB的50倍以上，撕裂强度是PVB的5倍。采用离子型胶片生产的夹层玻璃受力时两片玻璃之间基本不会产生滑动，两片玻璃如同一片玻璃，承载力是PVB夹层玻璃的2倍。在相等荷载、相同厚度的情况下，SGP夹层玻璃的弯曲只是PVB夹层玻璃的1/4。相对于PVB生产的夹层玻璃，SGP胶片生产的夹层玻璃的性能更加优越。



12mm Laminated Glass with SGP Interlayer



12mm Laminated Glass with PVB Interlayer



12mm Tempered Glass

特性:

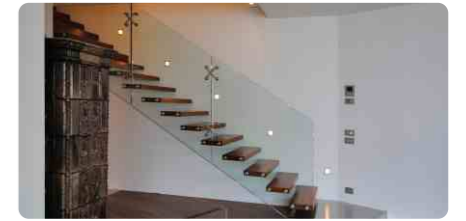
安全性	对玻璃有较高的粘结能力，较强的抗撕裂强度，能防止玻璃破碎的飞散。能承受室内人员的突然撞击，避免室内人员、物品飞出坠落。
防盗性	有较强的防护能力，可以防止自然灾害和人力破坏，对强风、地震、暴力、盗窃等具有足够的抵抗能力。
防紫外线性能	能耐受紫外线、水汽和外界气候变化影响，长期使用不会出现泛黄变色现象。
应用	阳台门窗、地板、玻璃走廊、玻璃桥、水族馆等。



Store Facade
商铺外立面



Store Facade
商铺外立面



Stair Railing
楼梯护栏

SGP is called ionic interlayer. The material of the middle layer is mainly ethylene-methacrylic acid copolymer. The shear modulus of the ion-type film SGP is more than 50 times that of PVB, and the tear strength is 5 times that of PVB. When the laminated glass produced by ion-type film is stressed, there will be no sliding between the two pieces of glass. The two pieces of glass are like a piece of glass, and the bearing capacity is twice that of PVB laminated glass. Under the condition of equal load and same thickness, the bending of SGP laminated glass is only 1/4 of that of PVB laminated glass. Compared with laminated glass produced by PVB, the performance of laminated glass produced by SGP film is superior.



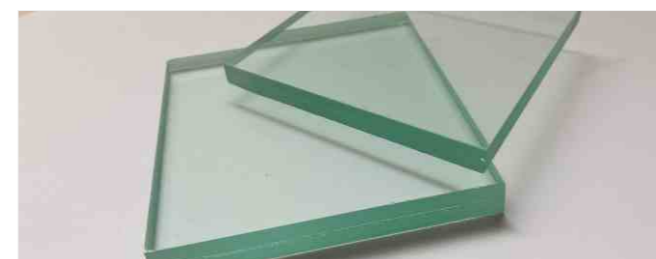
Sightseeing Elevator
观光梯

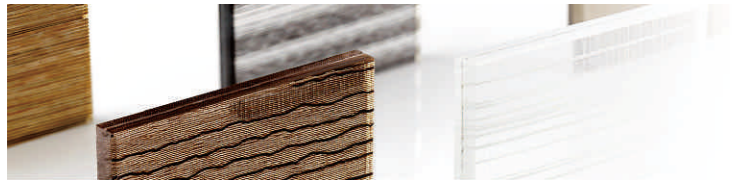


Sightseeing Elevator
观光梯

CHARACTERISTIC:

Safety	It has high bonding ability to glass, strong tear resistance, and can prevent glass from breaking and flying. It can withstand the sudden impact of indoor personnel and prevent indoor personnel and objects from flying out and falling.
Anti-theft	It has strong protection ability, can prevent natural disasters and human damage, and has sufficient resistance to strong winds, earthquakes, violence, theft, etc.
UV protection	It can withstand the influence of ultraviolet rays, water vapor and external climate change, and it will not appear yellowing and discoloration after long-term use.
Applications	Balcony doors and windows, floors, glass corridors, glass bridge, aquariums, etc.





EVA夹层玻璃

EVA LAMINATED GLASS



EVA全名为乙烯-醋酸乙烯共聚物。EVA的膜层流动性较好，可在膜层中进行夹丝、夹卷等工艺，制作出漂亮的带有图案及花纹的装饰性玻璃。EVA具有良好的耐水性，但是抗紫外线能力弱，长期日晒容易发黄发黑，因此其主要用于室内隔断。



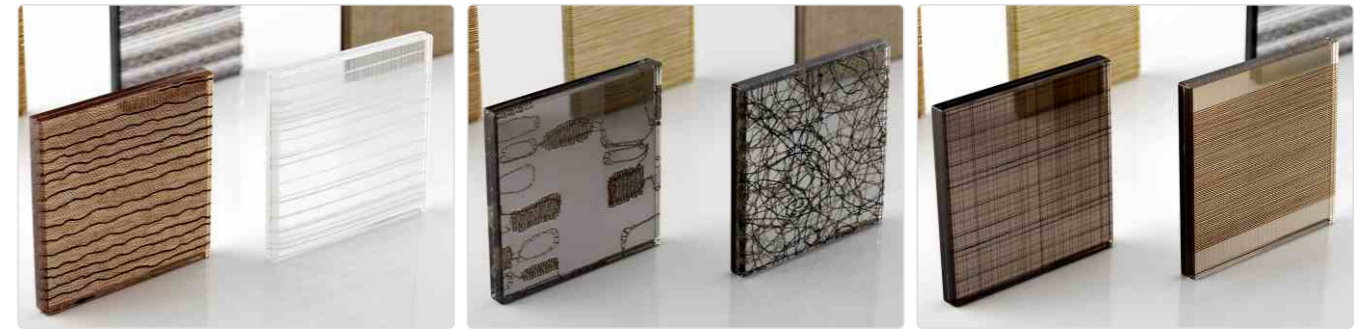
Privacy Partition
隐私性隔断



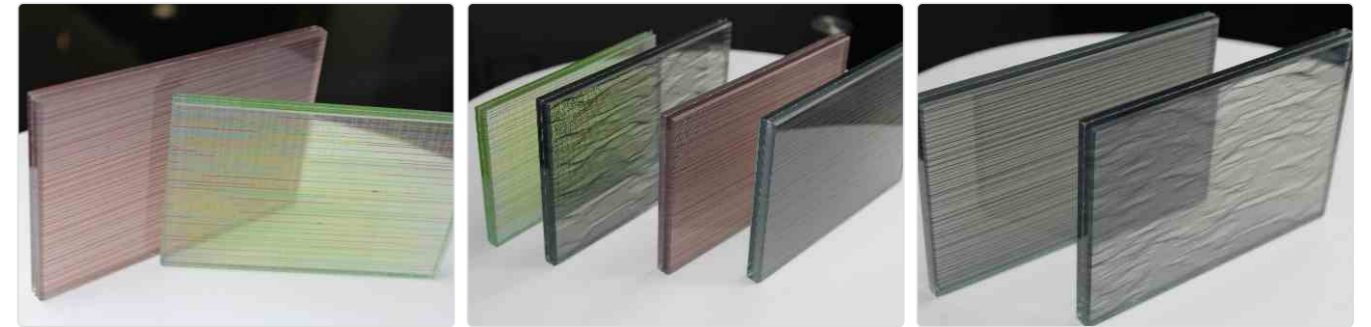
Privacy Partition
隐私性隔断

性能:

耐水性好	高透明度、高粘着力、耐冲击性、良好的耐久性。
流动性好	可在温室下存放，EVA的粘着力不受湿度和吸水性胶片的影响。
应用	室内隔断、玄关、墙面等。

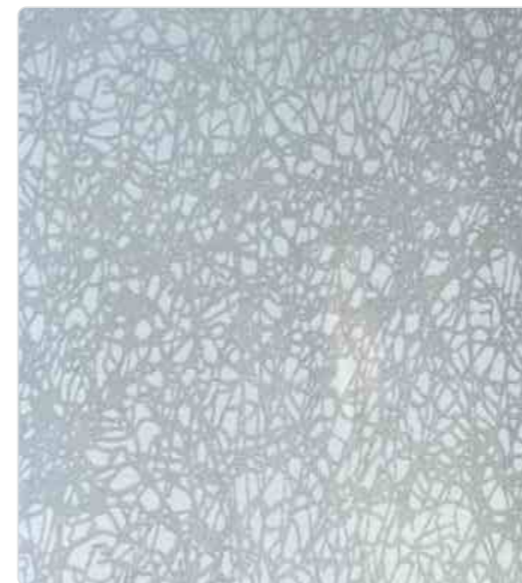


The full name of EVA is ethylene-vinyl acetate copolymer. The film layer of EVA has good fluidity, and processes such as threading and rolling can be carried out in the film layer to produce beautiful decorative glass with patterns and patterns. EVA has good water resistance, but its anti-ultraviolet ability is weak, and it is easy to turn yellow and black when exposed to the sun for a long time, so it is mainly used for indoor partitions.



CHARACTERISTIC:

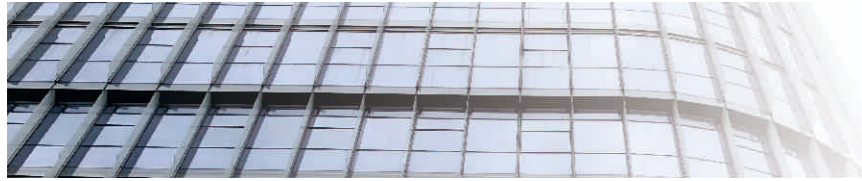
Good water resistance	High transparency, high adhesion, impact resistance, good durability.
Good liquidity	Can be stored under the greenhouse, the adhesion of EVA is not affected by humidity and water-absorbent film.
Applications	Indoor partition, porch, wall, etc.



Decorated Glass
装饰玻璃



Decorated Glass
装饰玻璃



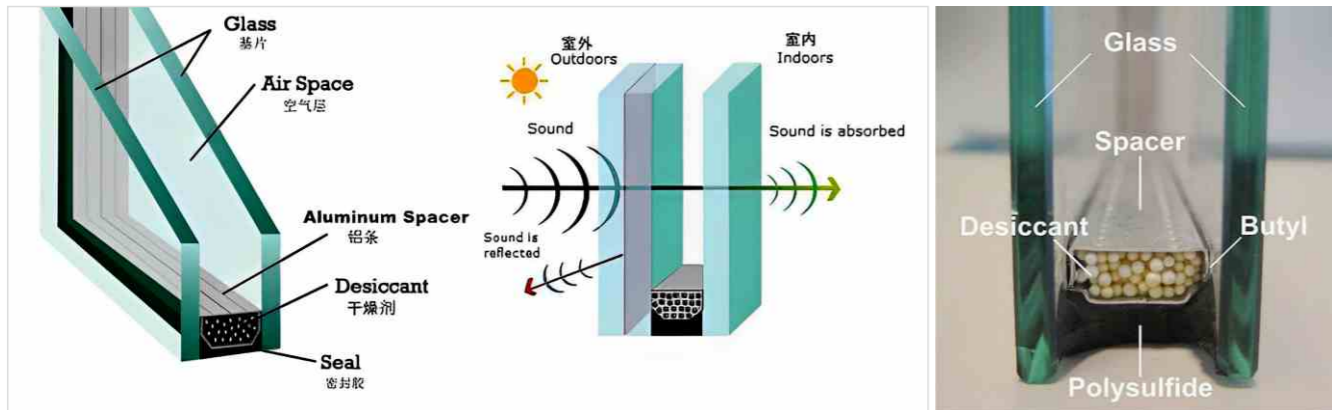
中空玻璃

Insulated GLASS

中空玻璃由两块或以上的玻璃组成，玻璃间用内部灌有干燥剂的空心铝管隔离，同时中空部分充入干燥空气或惰性气体，并对玻璃四边进行密封处理。IGU旨在让房屋在冬天保持温暖，在夏天保持凉爽。

性能:

耐热性	减少房间冷凝效果，提高保温性能。
隔音性	减少了来自外部的声音传输。
美学的体现	增加光线和视野，提高建筑的舒适度。
用途	门窗、大型幕墙、外立面。



Office Curtain Wall
办公楼幕墙

Insulating glass is composed of two or more pieces of glass. The glass is separated by a hollow aluminum tube filled with desiccant. The hollow space is filled with dry air or inert gas, and the four sides of the glass are sealed. The IGU is designed to keep homes warmer in the winter and cooler in the summer.



CHARACTERISTIC:

Heat-proof	Reduces room condensation and greater thermal insulation.
Sound-proof	Reduces sound transmission from outside.
Aesthetic expression	Increases light and view and improves the comfort of a building.
Applications	Doors, windows, large-scale curtain walls, facade.

SPECIFICATION:

Product name 品名	Insulated glass 中空玻璃
Color 颜色	Clear, green, grey, blue, etc. 透明、绿、灰、蓝等
Size 尺寸	According to customer's demand. 按需定制
Thickness 厚度	5mm+9A+5mm, 6mm+9A+6mm, 6mm+12A+6mm, 8mm+12A+8mm, etc.

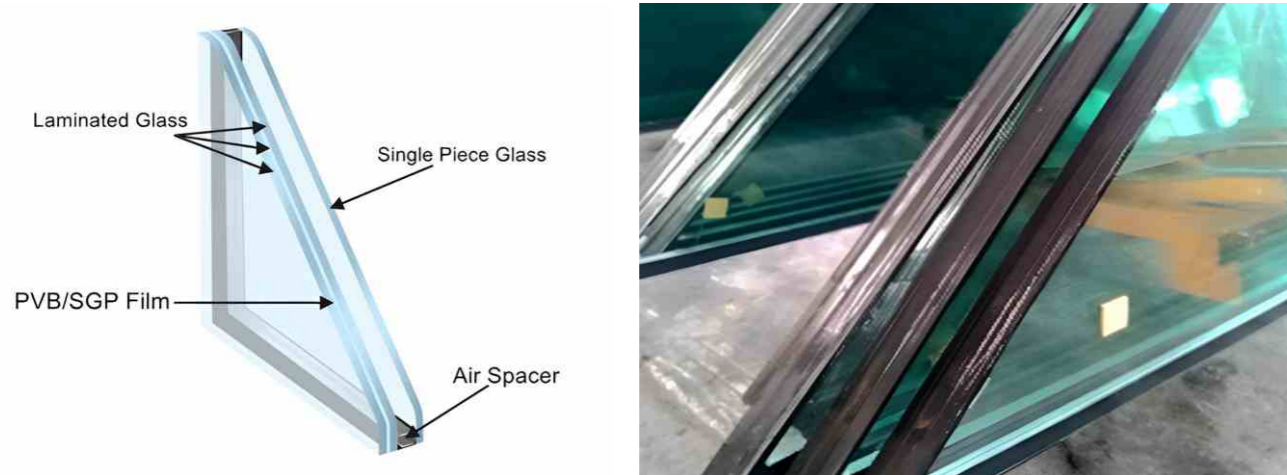
参数介绍/ PARAMETER INTRODUCTION:

Combination 玻璃组合	Visible 可见光		Solar Heat 太阳热能		U-values U值		Shading Coefficient (SC)	
	Visible Trans 透过率(%)	Visible Reflect		SHGC 得热系数	Relative Heat Gain W/m ² 相对热增益	Winter Nighttime W/m ² K 冬季夜里		Summer Daytime W/m ² K 夏季夜里
		Outdoor 室外	Indoor 室内					
5C+6A+5C	81	13	13	0.76	574	3.06	3.29	0.87
5C+9A+5C	81	13	13	0.76	573	2.80	3.06	0.87
5C+12A+5C	81	13	13	0.76	573	2.67	2.93	0.87
6C+6A+6C	80	12	12	0.74	561	3.04	3.27	0.85
6C+9A+6C	80	12	12	0.74	560	2.79	3.04	0.85
6C+12A+6C	80	12	12	0.74	560	2.66	2.91	0.85



夹胶中空玻璃

LAMINATED INSULATING GLASS 玻璃



夹层中空玻璃是一种外部带有夹层外板的复合型产品，对于双层单片中空玻璃来说，这种玻璃性能更优，这种配置可用于架空玻璃如地板、天窗或者用于地标性建筑。

性能:

安全	带有夹层外板，比双层中空玻璃更加安全。
隔音性	夹层中空玻璃中的PVB薄膜具有对声波的阻尼功能，复合型产品的隔音性能更优。
隔热性	PVB薄膜制成的夹层中空建筑玻璃能有效地减少太阳光透过，隔热效果更好。
应用场景	建筑立面、办公楼、高层建筑、房屋、商场地板等。



Laminated insulating glass is a composite product with a laminated outer panel on the outside. For double glazing glass, this kind of glass has better performance. This configuration can be used for overhead glass such as floors, skylights, or in landmark buildings.



幕墙 Curtain Wall



玻璃天顶 Glass Roof



幕墙 Curtain Wall



幕墙 Curtain Wall

CHARACTERISTIC:

Safety	With laminated outer panel, it is more safe than double-glazing glass.
Sound insulation	The PVB film of laminated insulating glass has the function of damping sound waves, and the sound insulation performance of composite products is better.
Thermal insulation	Laminated insulating architectural glass made of PVB film can effectively reduce sunlight transmission and provide better thermal insulation.
Applications	Building facades, office buildings, high-rise buildings, houses, shopping mall floors, etc.



天窗 Skylight

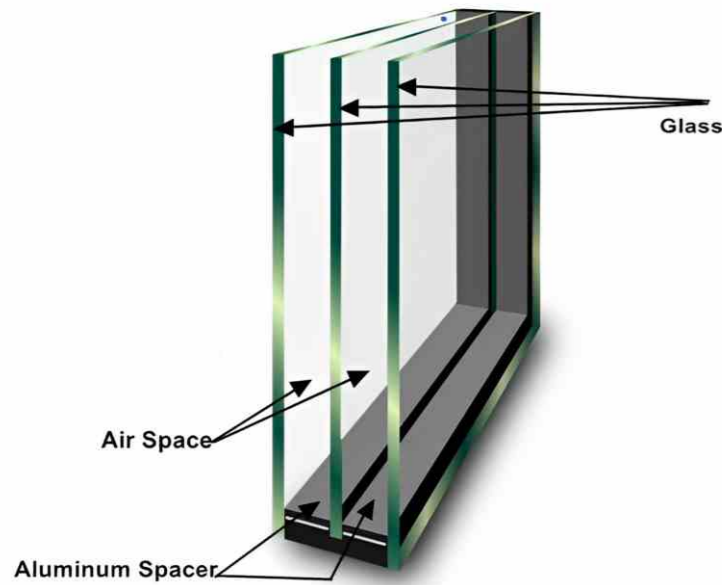


幕墙 Curtain Wall



三层中空玻璃

TRIPLE INSULATING GLASS 玻璃



三层中空玻璃，也称为三玻两腔玻璃，这种结构增加了玻璃单元的绝缘值，从而降低了u值。三重绝缘玻璃单元在需要低u值的应用中特别有用。

性能:

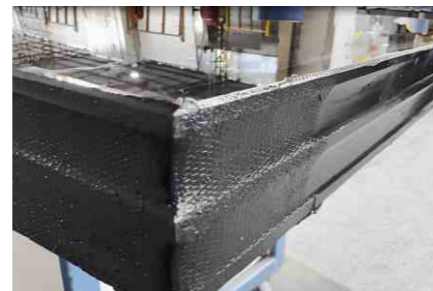
节省能源	三层玻璃单元具有优化的能源平衡，可最大限度地节省成本。
最大的舒适度	三层中空玻璃比双层中空玻璃性能更优，三层中空玻璃最大限度地减少来自外部的噪音水平，给用户创造更舒适的生活空间。
增强的安全性	额外的玻璃确保您的窗户不易被打破，让您在安全方面高枕无忧。
应用场景	门窗、幕墙、外立面、单元楼等。



Triple Glazing Glass
三玻两腔玻璃



Glass Package Glass
玻璃包装



Triple Glazing Glass
三玻两腔玻璃



Triple insulating glass, also names triple glazing glass. This construction increases the insulating value of the glass unit, thus reducing the u-value. A triple insulating glass unit is especially useful in applications where a low u-value is necessary.

CHARACTERISTIC:

Save more energy	Triple glazed units have an optimized energy balance to maximize cost savings.
Maximum comfort	The triple glazing glass performs better than double glazing glass, it minimizes noise levels from outside, creating a more comfortable living space for users.
Enhanced security	The extra pane of glass ensures that your windows are less easy to break through giving you peace of mind when it comes to security.
Applications	Doors and Windows, curtain wall, exterior facade, units, etc.

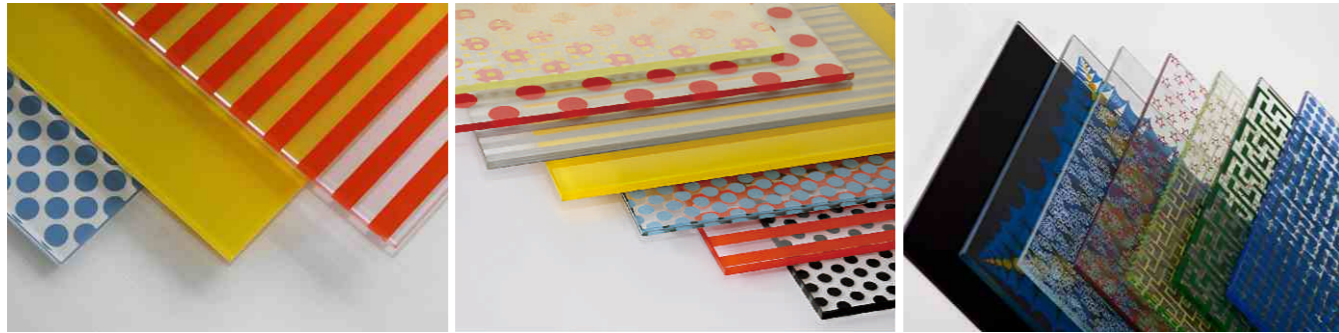




丝网印刷玻璃

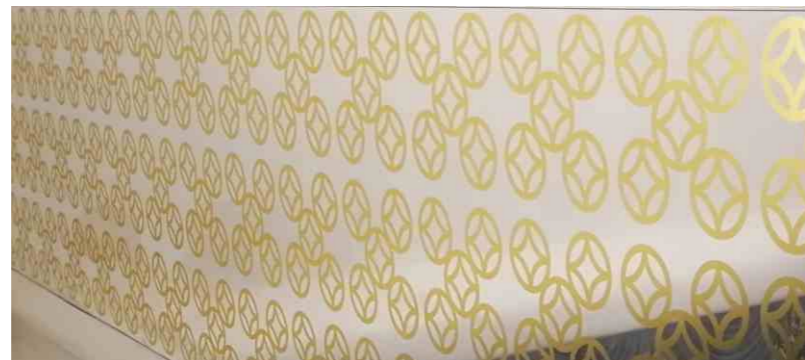
SILKSCREEN PRINTING GLASS 玻璃

丝印玻璃是一种特殊的装饰玻璃，是通过丝网在玻璃表面印刷一层陶瓷油墨，然后进行钢化或热强化工艺。因此，丝印玻璃经久耐用、防刮花、遮阳、防眩光。其耐酸和防潮功能可保持颜色数十年。钢化丝印玻璃具有安全玻璃特性。



特征:

防划伤	耐用、防刮花的特性。
装饰性	各种颜色和图案（可定制），持久的突出效果。
隐私性	不透明，保护隐私。
稳定性	抗酸和防潮特性使它适合在浴室厨房高湿度的房间里使用。
应用	内部分区和办公室隔断 楼梯和地板 淋浴门和厨房防溅挡板 家具如桌面、橱柜门 护栏和栏杆



办公室门 Office Door

Silkscreen printed glass is a special kind of decorative glass made by printing a layer of ceramic ink on the surface of glass through the screen mesh for a tempering or heat-strengthening process after. As a result, silkscreen printed glass is durable, scratch-proof, solar shading, and with anti-glare effect. Its acid and moisture-resistant features maintain colors for decades. The tempered silkscreen printed glass has safety glass properties.

CHARACTERISTIC:

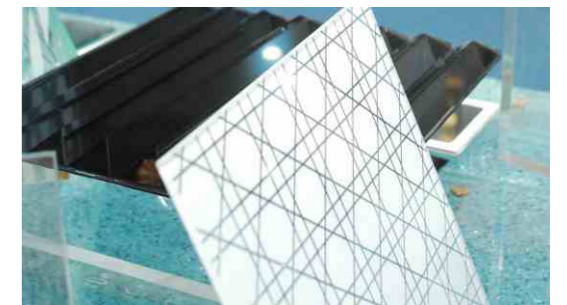
Anti-scratch	Durable, scratch-resistant properties.	
Decorative	Various colors and patterns (customizable), durable outstanding effect.	
Privacy	Hidden effect, protect privacy.	
Stability	Anti-acid and moisture-resistant properties make it suitable for use in rooms with high humidity in bathrooms and kitchens.	
Applications	Interior partition and office partition. Balustrade and railing.	Shower door and kitchen splash back. Staircases and floor. Furniture like a table top, cabinet door.



隐私性隔断 Privacy Partition



办公室隔断 Office Partition





数码打印玻璃

DIGITAL PRINT GLASS 玻璃

丝印玻璃是一种特殊的装饰玻璃，是通过丝网在玻璃表面印刷一层陶瓷油墨，然后进行钢化或热强化工艺。因此，丝印玻璃经久耐用、防刮花、遮阳、防眩光。其耐酸和防潮功能可保持颜色数十年。钢化丝印玻璃具有安全玻璃特性。

Digital printing glass is a high technology by using multi colors to print patterns in many colors at the same time. Then it goes through a tempered glass furnace to get tempered digital printed glass. The digital printed glass always expresses a vivid and colorful image that is liked by architects.



特征:

可定制	广泛的数码打印玻璃可根据客户定制的图案和颜色进行生产。
防划伤	抗划伤、耐酸性、耐碱性。
稳定性	颜色稳定性、耐穿性和不褪色性。
遮阳效果	能有效提供遮阳。
应用	室内装饰、休息区装饰，家具、地铁站、电子产品、隔断、背景墙等。

CHARACTERISTIC:

Customizable	A wide range of digital printing glass can be produced according to customer-customized patterns and multiple colors.
Scratch proof	Scratch resistance, acid resistance, and alkali resistance.
Stabilization	High color stability, wear resistance, and non-fading.
Shaded effect	Providing solar shading.
Applications	Interior decoration, rest area decoration, furniture, subway station, electronic products, partition, background wall, etc.



蒙砂玻璃

ACID ETCHED GLASS 玻璃

蒙砂玻璃是一种化学玻璃蚀刻工艺的磨砂玻璃。用氢氟酸的水溶液蚀刻玻璃，其侵蚀二氧化硅并使玻璃表面变粗糙。最后，整个玻璃面板是不透明的，从而，以增强室内的隐私。它通常是一致的，变化的，并且可以创建具有不同视觉的不同表面的参数，但是仍然具有良好的装饰性能。

Acid etched glass is a kind of frosted glass which is using a chemical glass-etching process. Glass is etched with an aqueous solution of hydrofluoric acid, which attack the silica and roughens the glass surfaces. Finally, the whole glass panel is opaque, and non-transparent, enhancing the privacy of the room inside. It is generally consistent, variations, and can create parameters on different surface with distinct visual, but still have good decoration performance.



特征:

安全性	比相同厚度的退火酸蚀刻玻璃的强度高达5倍，使其成为一种理想的安全玻璃。
装饰性	表面均匀光滑，丝滑，外观半透明、哑光。
隐私性	高透光率确保了最大限度的光线，仍然保持隐私。
应用	固定和滑动隔断 淋浴和浴室屏风 家具（玻璃橱柜，厨房和桌子，台面，货架），阳台 办公室，酒店，餐馆等 楼梯和地板 窗户和外立面

CHARACTERISTIC:

Safety	Up to five times stronger than annealed Acid Etched glass of the same thickness, making it an ideal safety glass.
Decorative	Uniformly smooth and silky surface, translucent and matte in appearance.
Privacy	High light transmittance ensures maximum light, still maintaining privacy.
Applications	1. Fixed and sliding partitions. 2. Offices, Hotels, restaurants, etc. 3. Windows and facade glazing. 4. Shower and bath screens. 5. Stair treads and floor panels. 6. Furniture (glass cupboards, kitchen, and tables, glass tops, shelves) Balconies.





防滑玻璃

ANTI-SLIP GLASS 玻璃

防滑玻璃是一种具有优越性能及安全性的创新地板材料，它的防滑性能由酸蚀刻加工处理，形成表面凹凸图案，从而达到防滑效果。

Anti-slip glass is an innovative floor material with superior performance and safety. The glass is usually made by an acid etching process on the glass-created surface with concave and convex patterns, to achieve the anti slip effect.



特征:

防滑性	防滑玻璃表面的防滑层具有较高摩擦系数，为防滑玻璃地板的防滑性能提供了保障。
通透特性	防滑处理后的玻璃地板依然保持通透特性，透光且具有隐私性。
安全性能	防滑玻璃地板的基片都具有较高的强度，可以承受大荷载而不破裂，通过夹层而成的防滑玻璃地板能承受更大的荷载。
应用	咖啡厅、舞台、展示厅、KTV、超市、大型商场、博物馆、景观走廊等需要防滑的地方。

CHARACTERISTIC:

Anti-slip	The anti-slip glass surface of the non-slip layer with a high coefficient of friction for the anti-slip glass floor anti-slip performance provides a guarantee.
Custom transparent	Anti-slip treatment of the glass floor is still to maintain the permeability characteristics, light transmission and privacy.
Safety	Anti-slip glass flooring substrate has high strength, and can withstand large loads without breaking, through the sandwich made of non-slip glass floor can withstand greater loads.
Applications	Cafes, stages, exhibition halls, KTV, supermarkets, shopping malls, museums, landscape corridors, and other places need to slip.

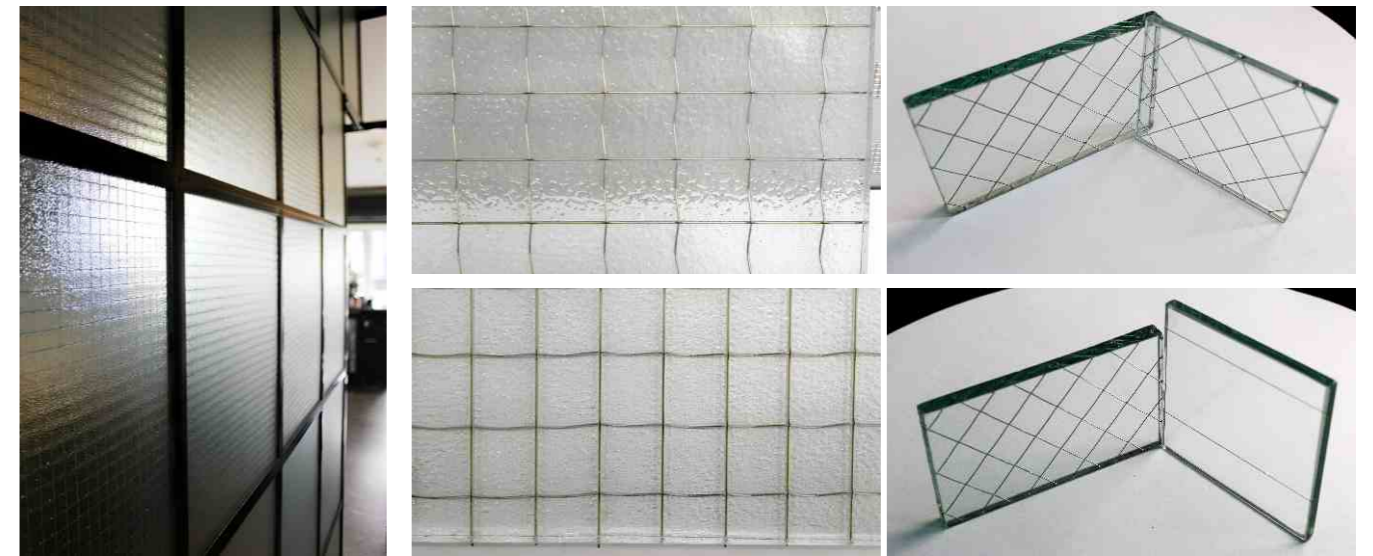


夹丝玻璃

WIRED MESH GLASS 玻璃

夹丝玻璃,它是将普通平板玻璃加热到红热软化状态时,再将预处理过的铁丝或铁丝网压入玻璃中间而制成。它的特性是防火性优越,可遮挡火焰,高温燃烧时不炸裂,破碎时不会造成碎片伤人。另外还有防盗性能,玻璃割破还有铁丝网阻挡。

Wired mesh glass is made by heating ordinary flat glass to a heat-softening state, and then pressing preheated iron wire or wire mesh into the middle of the glass. It is characterized by superior fire resistance, can block flames, does not burst when burned at high temperatures, and does not worry the fragments hurt people when broken. In addition, it has anti-theft performance.



特征:

防火性	夹铁丝玻璃在火灾中遮挡火焰，高温燃烧时不炸裂。
安全性	夹铁丝玻璃的安全性表现在破坏时仍保持整体性，玻璃碎片会在金属丝牵引下不散落，减少对人体的伤害。
防盗性	玻璃破碎后还有铁丝网阻挡，小偷难以进入。
应用	夹丝玻璃常用于隔断,门窗防火通道。

CHARACTERISTIC:

Fire resistance	Wire mesh glass in the fire block the flame, and high-temperature combustion does not burst.
Safety	The safety performance of the wire mesh glass is still maintain its integrity when damaged, and the glass fragments will not be scattered under the traction of the metal wire, reducing the harm to the human body.
Anti-theft	It is difficult for thieves to enter because the broken glass is blocked by barbed wire.
Applications	Wired mesh glass is often used for partitions, doors, and windows fire escape.

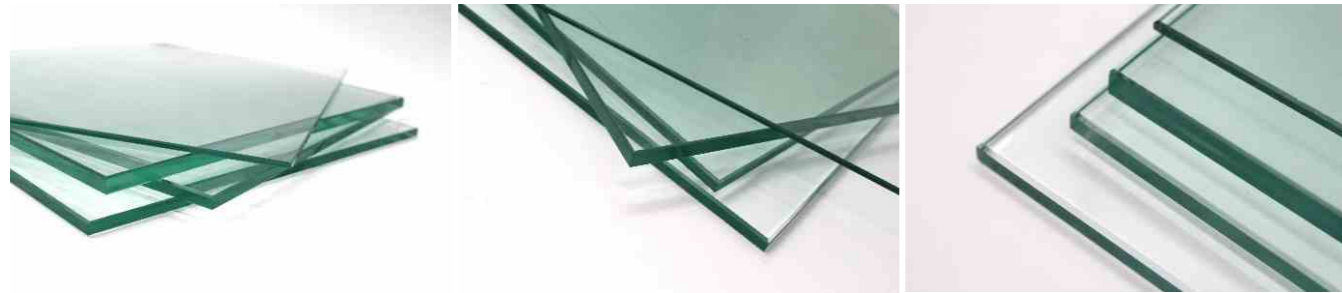


浮法玻璃

FLOAT GLASS

透明浮法玻璃是玻璃膏经控制闸门进入锡槽，由于地心引力及本身表面张力作用浮于熔融锡表面上后，再进入冷槽，使玻璃两面平滑均匀，波纹减少而制成。

Clear float glass is a glass paste, according to the control gate into the tin groove, due to gravity and its surface tension, floating on the surface of molten tin, and then go into the cold groove, so that both sides of the glass are smooth and uniform, corrugated down and



特 征:	CHARACTERISTIC:
表面平滑，透视性佳。	Smooth surface, and a good perspective.
规格可做弹性配合，减少切片损失。	Specifications can be used as elastic fit to reduce chip loss.
可提供制造各种加工层次的素材。	Provides material for making various levels of processing.

Product name 品名(白玻)	Visible light transmittance 可见光透射比%	U-Value值(V/M ² .K)		SC 遮阳系数
		Summer day夏日	Winter night冬夜	
4mm	90.17	5.46	5.40	1.0
5mm	89.83	5.44	5.38	0.99
6mm	89.34	5.40	5.35	0.97
8mm	88.64	5.34	5.30	0.95
10mm	87.52	5.28	5.24	0.92
12mm	87.27	5.23	5.19	0.91
15mm	86.30	5.15	5.11	0.89
19mm	84.99	5.05	5.02	0.85
22mm	83.25	4.97	4.94	0.79
25mm	82.75	4.90	4.88	0.80

KXG Clear Float Glass	
Thickness	3mm 4mm 5mm 6mm 8mm 10mm 12mm 15mm 19mm 22mm 25mm
Size	1830x2440mm, 2630x3660mm, 2140x3300mm, 2140x3660mm, 2250x3300mm, 2250x3660mm, 2440x3300mm, 2440x3660mm, 2740x3660mm, 3300x3660mm, 3300x4280mm, 3300x4580mm, 3300x4880mm, Max size could reach to 3000x13000mm
Any other size can be produced as per customer's requirement. 可根据客户需求定制	

超白玻璃是一种超透明低铁玻璃，也称低铁玻璃、高透明玻璃。它是一种高品质、多功能的新型高档玻璃品种，透光率可达91.5%以上，具有晶莹剔透、高档典雅的特性，有玻璃家族“水晶王子”之称。

Ultra clear glass is a highly transparent glass known as low iron glass. It is a high quality, new variety of high-grade glass multifunctional, light transmittance can reach more than 91%, with crystal clear, elegant, and graceful, glass family "Crystal Prince" said.



特 征:	CHARACTERISTIC:
含有的NiS等杂质较少,降低了玻璃钢化后的自爆率。	The ultra clear glass contains fewer impurities such as NiS, which reduces the self-explosion rate of glass after tempering.
超白玻璃含铁量低,可见光中的绿色波段吸收较少,确保玻璃一致性。	Ultra clear glass has low iron content and less absorption in the green band of visible light, ensuring the color consistency of the glass.
超白玻璃有晶莹剔透的水晶般品质,可见光透过率高。	The glass has a crystal-clear perfect and high visible light transmittance.

Product name (Ultra clear glass) 品名(超白玻)	Visible Light Transmittance 可见光透射比%	Visible Light Reflectivity 可见光反射比%	Solar Energy Transmittance 太阳光直接透射比%	Solar Energy Reflectivity 太阳能直接反射比	Total solar transmittance 太阳能总透射比
3mm	91.50	8.48	91.20	8.32	91.50
4mm	91.32	8.50	90.86	8.35	91.00
5mm	91.21	9.51	90.60	8.34	90.30
6mm	91.16	8.54	90.30	8.36	90.10
8mm	91.02	7.11	90.10	8.34	89.60
10mm	90.85	7.09	88.50	8.24	88.60
12mm	90.62	6.73	87.80	8.18	88.00
15mm	90.43	7.58	85.60	8.05	88.00
19mm	90.01	7.12	83.90	7.92	86.20

KXG Ultra Clear Glass	
Thickness	3mm 4mm 5mm 6mm 8mm 10mm 12mm 15mm 19mm 22mm 25mm
Size	1830x2440mm, 2630x3660mm, 2140x3300mm, 2140x3660mm, 2250x3300mm, 2250x3660mm, 2440x3300mm, 2440x3660mm, 2740x3660mm, 3300x3660mm, 3300x4280mm, 3300x4580mm, 3300x4880mm, Max size could reach to 3000x13000mm
Any other size can be produced as per customer's requirement. 可根据客户需求定制	



颜色玻璃是以调拌适量色彩配方的玻璃液经控制闸门进入锡槽，由于地心引力及本身表面张力作用浮于熔融锡表面上后，再进入冷却槽，使玻璃两面平滑均匀，波纹消失而制成。

Tinted float glass is made by mixing glass liquid with the appropriate color formula into the tin bath. Due to gravity and its surface tension, it floats on the surface of molten tin and then enters the cooling tank to make both sides of the glass smooth and even, and the ripples disappear. to make. tension, to get the two sides of the glass to be smooth, and even and ripple to disappear.

特 征:	CHARACTERISTIC:
增强吸收与在辐射出的功能。	Enhanced absorbing and radiating functions.
减少辐射热的穿透，节省能源。	Reduce the penetration of radiant heat and save energy.
增加建筑物外观色彩变化，创造更高价值感。	High-value creation by a color variety of the building's exterior appearance.



KXG颜色玻璃 KXG Tinted Glass	
厚度 Thickness	3mm 4mm 5mm 6mm 8mm 10mm 12mm
尺寸 Size	1830x2440mm, 2630*3660mm, 2140x3300mm, 2140x3660mm, 2250x3300mm, 2250x3660mm, 2440x3300mm, 2440x3660mm, Max size could reach to 3000*13000mm
颜色 Color	Grey, green, blue, bronze 灰、绿、蓝、茶色

镀膜玻璃也称反射玻璃。镀膜玻璃是在玻璃表面涂镀一层或多层金属、合金或金属化合物薄膜，以改变玻璃的光学性能，满足某种特定要求。镀膜玻璃按产品的不同特性，可分为以下几类：**热反射玻璃、低辐射玻璃、导电膜玻璃**等。常搭配中空玻璃使用。

Coated glass is also called reflective glass. Coated glass is coated with one or more layers of metal, alloy, or metal compound films on the surface of the glass to change the optical properties of the glass to meet certain specific requirements. Coated glass can be divided into the following categories according to the different characteristics of the product: heat-reflective glass, low-emissivity glass, conductive film glass, etc. It is often used with insulating glass.



特 征:	CHARACTERISTIC:
反射太阳光、降低室内增热。	Reflect the sun, reducing indoor heat.
节省致冷能耗。	Saving energy consumption.
阻止紫外光透射。	Prevent UV transmission.
防止家具织物褪色。	Prevent furniture fabric from fading.



KXG Coated Glass	
厚度 Thickness	3mm 4mm 5mm 6mm 8mm 10mm 12mm
尺寸 Size	2630*3660mm, 2140x3300mm, 2140x3660mm, 2280x3300mm, 2250x3660mm, 2440x3300mm, 2440x3660mm, 2600x3300mm, 2740x3300mm, Max size could reach to 3000*13000mm
颜色 Color	Grey, green, blue, bronze 灰、绿、蓝、茶色



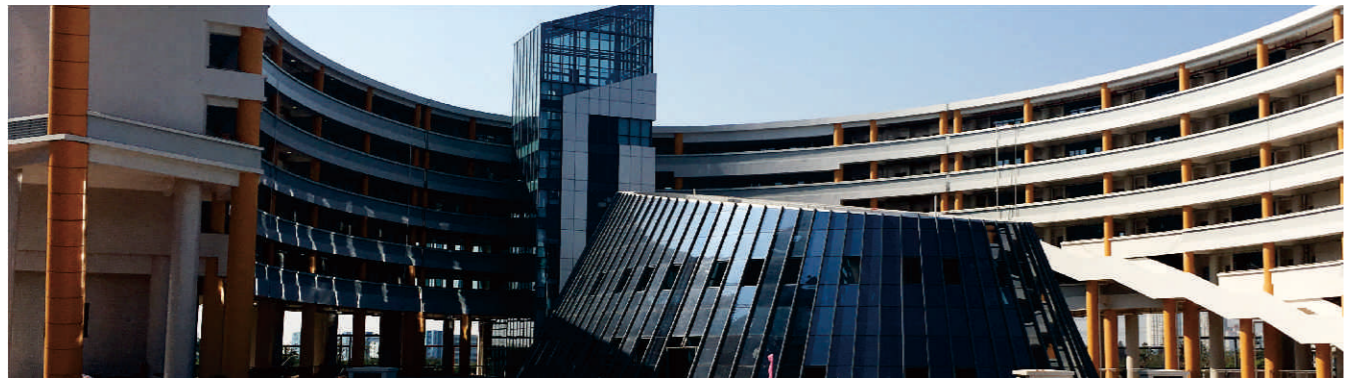
LOW-E 玻璃

LOW-E GLASS

单银低辐射镀膜玻璃也叫Low-E玻璃，Low-E玻璃是在玻璃表面镀低辐射材料银及金属氧化物膜，使玻璃呈现出不同颜色。其主要作用是降低玻璃的U值，同时有选择地降低SC，全面改善玻璃的节能特性。

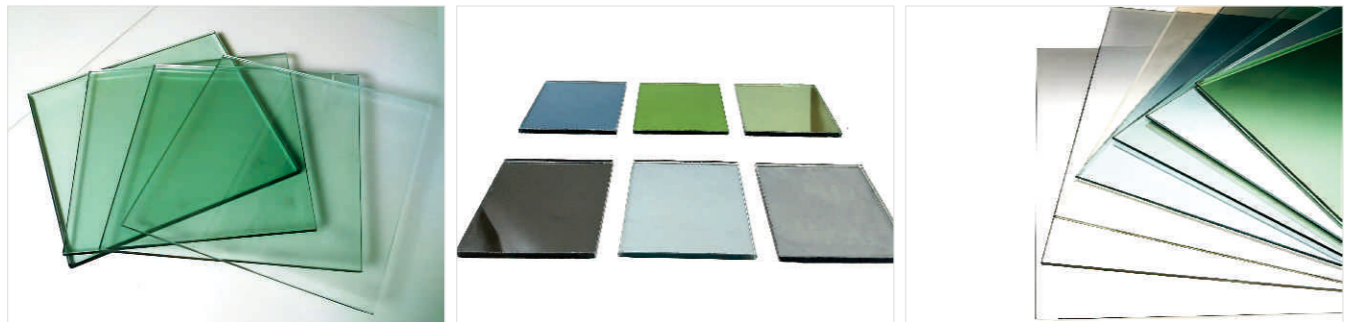
Single silver Low-E glass is a kind of glass whose surface is coated with low-emissivity coating silver and metal-oxide film so that the glass takes on different colors. Its main functions are to reduce the U value of glass, selectively reduce SC and comprehensively improve energy saving properties of glass.

特 征:	CHARACTERISTIC:
单银LOW-E玻璃有两种类型：离线Low-E和在线Low-E。	Single silver Low-E glass has 2 types: offline Low-E and online Low-E.
极高的远红外线反射率—较低的热传导系数U值，保温性能优良。	Very high far infrared reflective - low heat transfer coefficient U value, excellent insulation properties.
由于Low-E玻璃隔热性、保温性的特点，使它不仅适用于南方地区，也适用于北方地区，对季节没有限制。	Its thermal insulation characteristics make it suitable for cold areas in the north, effectively reducing the energy consumption of heating.
用 途:	APPLICATIONS:
应用于门、窗、大型建筑幕墙等。	Used in doors, windows, large-scale building curtain wall.



双银Low-E玻璃是在优质平板玻璃上镀上双层银膜及其他金属氧、氮化物制成的。双层银膜进一步增强了玻璃对太阳辐射的控制能力，在保持与普通单银LOW-E相同透光率的同时，具备更优的传热系数和遮阳系数。

Double silver Low-E glass coating on high-quality flat glass with double silver film and Oxide, Nitride, etc. The double silver film further enhances the ability of the glass to control the solar radiation, while maintaining the same light transmittance as the ordinary single silver Low-E, it has better heat transfer coefficient and shading coefficient.



特 征:	CHARACTERISTIC:
较高的可见光透过率—可见光波段保持较高的透光率，自然采光良好。	Higher visible light through - visible light band to maintain a high light transmittance, natural lighting is good.
极低的太阳能透过率—有效限制太阳热辐射的透过尤其是近红外热辐射的透过，更低的SC值。	Extremely low solar transmittance - effectively limits the transmission of solar thermal radiation, especially near infrared heat radiation, with lower SC values.
较低的U值—有效限制夏季室外的热辐射进去室内，优良的冬季保温性能。	Lower U value - effectively limits the summer outdoor heat radiation into the indoor, excellent winter insulation performance.
在可见光透率相同的情况下，它比单银LOW-E玻璃具有更低U值。	In the case of the same visible light transmittance, it has lower U-value than single silver LOW-E glass.
用 途:	APPLICATIONS:
应用于门、窗、高层建筑幕墙等。	Used in doors, windows, high-rise building curtain wall.



三银Low-E玻璃是在离线镀膜加工过程中镀制了三层银层，三层银同时配合其中间的膜层材料能实现及其优异的光热性能，建筑上使用这种三银Low-E玻璃比双银Low-E可达到更理想的节能效果，因而是未来建筑发展的趋势。

Triple silver Low-E glass is in the off-line coating process of plating three layers of silver meanwhile printing the material which can achieve its excellent thermal performance on the center layer, which called triple silver Low-E glass which owns a better energy-saving effect than double silver Low-E, it's the future development trend of the architectural materials.

特 征:	CHARACTERISTIC:
较高的可见光透过率：可见光波段保持较高的透过率，自然采光好。	Higher visible light transmittance: visible light band to maintain a high transmittance, natural lighting is good.
极低的太阳能透过率：具有更低的遮阳系数SC，有效阻止太阳热辐射的透过，尤其是近红外热辐射的透过。	Very low solar transmittance: a lower shading coefficient SC, effectively prevents the heat of solar radiation, especially near infrared heat radiation through.
更好的隔热性能：具有更低的热传导系数U值，更有效地限制夏季室外的热辐射进入室内，更优良的冬季保温性能。	Better insulation performance: a lower thermal conductivity U value, more effectively limiting the summer outdoor heat radiation into the room, and better winter insulation performance.
不受地区限制，适合不同气候特点的广大地区。	It is not subject to regional restrictions and is suitable for vast areas with different climatic characteristics.
用 途:	APPLICATIONS:
应用于门、窗、外立面，大型建筑幕墙等。	Used in doors, windows, facade, large-scale building curtain wall.



镜子 MIRROR GLASS 玻璃

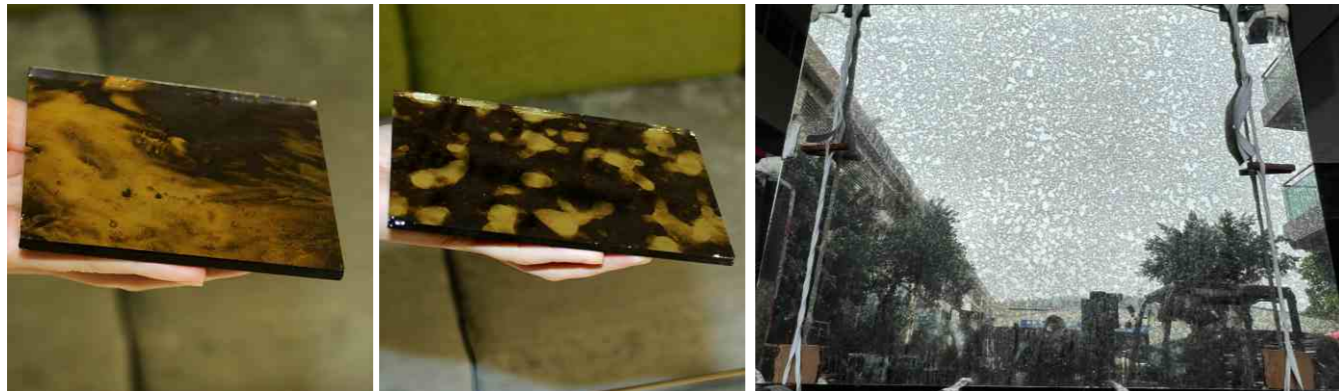
银镜是由在玻璃表面涂上一层银膜和两层防水涂料加工成的。我们使用非常优质的浮法玻璃作为基片来制造银镜玻璃，这将确保产品的成品的美观和良好的稳定性。



无铜镜又称环保镜，是通过化学沉淀工艺制作而成。传统上，将一块特殊处理过的银涂在高质量的浮法玻璃上，然后用一块特殊的金属薄膜代替铜，然后用两层油漆进行化学和物理保护。使用无铅涂料可以生产无铜和无铅的高质量镜子。



仿古镜并不是传统意义上的古董镜，而是世界上流行的一种新型装饰镜。它不同于我们在日常生活中使用的铝制和银制的镜子。经过特殊的氧化处理后，在镜面表面形成了各种形状和颜色的图案，颇具古韵，可以产生一种穿越时间和空间的感觉。



特 征:

装饰性实用性并存	镜子可以在任何一种情况下使用，又可用作装饰。
呈像清晰	镜面表面清晰、明亮，图像清晰、逼真。
稳定性	镀层刚性牢固，保护银层不脱落，耐侵蚀性好。
用途	化妆镜、建筑装饰件、浴室镜、装饰装修等。



Silver mirror

The silver mirror is processed by coating a layer of silver film and two layers of waterproof paint on the surface of the glass. We use very high-quality float glass as the substrate to manufacture silver mirror glass, which will ensure the beauty and good stability of the finished product.

Copper free mirror

Copper free mirror is also known as an eco-friendly mirror is made through a chemical sedimentation process. As traditionally a sheet of specially treated silver is coated on quality float glass, followed by a sheet of the special metal film instead of copper, and this is then finished with two layers of paint for chemical and physical protection. Using lead-free paint can produce a copper free and lead-free high-quality mirrors.

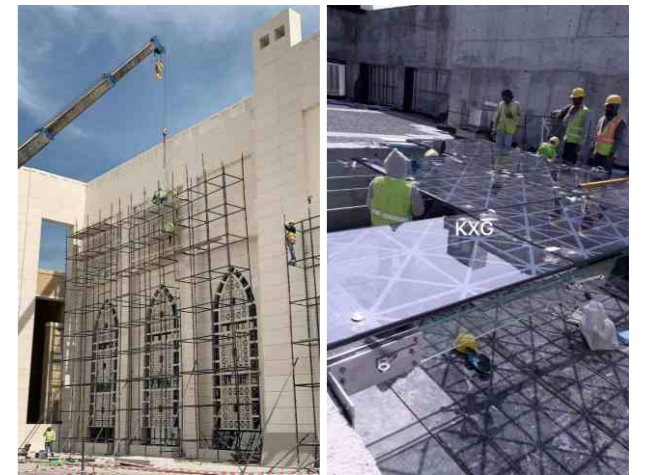
Antique mirror

An antique mirror is not a traditional mirror, but a new type of decorative mirror that is popular in the world. It is different from the aluminum and silver mirrors that we use in our daily life. After special oxidation treatment, patterns of various shapes and colors are formed on the mirror surface, which is quite simple and can create a feeling of traveling through time and space.



CHARACTERISTIC:

Decorative and practical	Mirrors are available in many ways,they can also be used for decoration.
Surface bright	The mirror surface is clear and bright, giving a distinct and lifelike image.
Stability	The plating layer is rigid and bonded and the protective layer impregnable with good erosion resistance.
Applications	Vanity mirror, building mirror, bathroom mirror, decoration mirror, etc.



▲ Kuwait Foreign Affairs Ministry (科威特外交部政府工程项目)



Private villas, Dubai (迪拜私人别墅) ▲



▲ Melbourne Evermore Apartment Glass Railing Project
(墨尔本CBD南岸高档公寓The Evermore)



▲ VISTA MALL PH (菲律宾马尼拉购物广场)



▲ Metro, Qatar (卡塔尔地铁)





▲ 塔什干城市广场 City Mall, Tashkent



▲ Da Nang Airport, Vietnam (越南岷港机场)



▲ 吉布提国际展览中心 Djibouti International Exhibition Center



▲ Panama City Residential Building (巴拿马住宅大厦)



▲ Crowne Plaza, Huizhou(惠州皇冠假日酒店)



▲ GuoMao Mansion, Gunagzhou(广州国贸大厦)



▲ WANDA REALM (万达嘉华酒店)



▲ Xiqu Centre Hong Kong (香港戏剧中心)



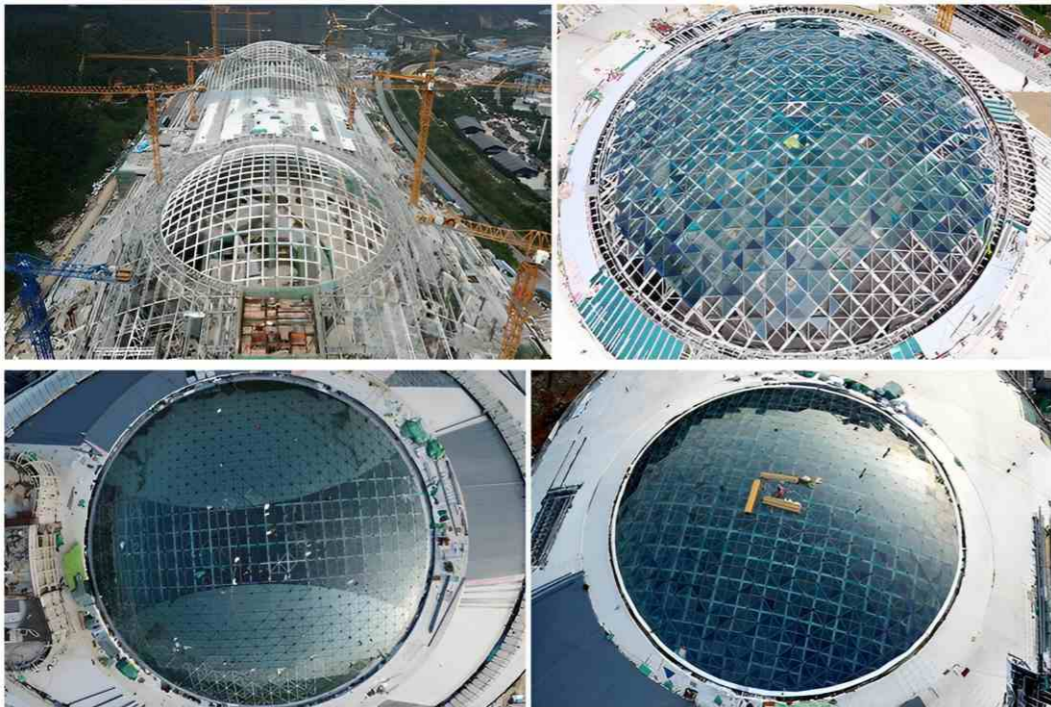
▲ International Airport, Guangzhou(广州国际机场)



▲ Lights-Led Lighting Expo Center, Zhongshan (中山星光联盟)



▲ Shenzhen NO.7 Line Metro (深圳地铁)



▲ Huhai Chimelong Marine Science Museum (珠海长隆海洋科学博物馆)