



**YUANQIANG
GLASS**

江门市江海区远强安全玻璃有限公司

**JIANGMEN JIANGHAI DISTRICT
YUANQIANG SAFETY
GLASS CO., LTD**

www.trustglass.cn
info@trustglass.cn

生产基地：中国广东省江门市

Production base: Jiangmen City, Guangdong Province, China



江门市江海区远强安全玻璃有限公司

JIANGMEN JIANGHAI DISTRICT YUANQIANG SAFETY GLASS CO., LTD

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SAI Global hereby grants:
Jiangmen Yuanqiang Safety Glass Co., Ltd

Single-storey Factory, Building No.6, Jinxi First Road, Waihai, Jianghai District, Jiangmen City (No.1 Self-made), Guangdong China

StandardsMark Licence

Manufactured to:
AS/NZS 2208:1996 - Safety glazing materials in buildings

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee and which comply with the appropriate Standard referred to above as from time to time amended. The License is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

License No: SMK41385
Issued : 18 July 2023
Expires : 17 July 2028

Originality Certified : 18 July 2023
Current Certification : 18 July 2023

Cain Motowean
President, Business Assurance
SAI Global Assurance



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SCHEDULE TO STANDARD MARK LICENCE

SAI Global hereby grants:

Jiangmen Yuanqiang Safety Glass Co., Ltd
Single-storey Factory, Building No.6, Jinxi First Road, Waihai, Jianghai District, Jiangmen City (No.1 Self-made), Guangdong China

StandardsMark Licence

Manufactured to:
AS/NZS 2208:1996 - Safety glazing materials in buildings

Model identification of the goods on which the STANDARDSMARK may be used:

Description	Type of Safety Glass	Glass Thickness Range (mm)	Colours	Grade	Furnace / Laminating Line	Maximum Leading / Laminated Size	Interlayer / Organic Film Manufacture	Interlayer / Organic Film Type	Interlayer / Organic Film Thickness	Date Endorsed
Flat-Plan	Heat strengthened Laminated	10 - 24	Clear, Green, Grey, Ultra Clear	A	Laminating Line 1	2400mm x 4800mm	Black	Clear PVB	0.76mm - 3.04mm	17 Jul 2023
Flat-Plan	Toughened	5 - 12	Clear, Green, Grey, Ultra Clear	A	Furnace 1	2400mm x 4800mm	Black	Clear PVB	0.38mm - 2.28mm	17 Jul 2023
Flat-Plan	Toughened Laminated	10 - 24	Clear, Green, Grey, Ultra Clear	A	Laminating Line 1	2400mm x 4800mm	Black	Clear PVB	0.76mm - 3.04mm	17 Jul 2023

End of Record

License No: SMK41385
Issued Date: 18 July 2023

This schedule supersedes all previously issued schedules



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STANDARD MARK LICENCE

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StandardsMark Licence

Manufactured to **AS 4666:2012 - Insulating glass units - This certification excludes Section 3 Glazing**

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee and which comply with the appropriate Standard referred to above as from time to time amended. The License is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

Certificate No: SMK41386

Issued: 6 February 2024
Expires: 4 February 2029

Originality Certified: 5 February 2024
Current Certification: 5 February 2024

Cain Motowean
President, Business Assurance
SAI Global Assurance



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SCHEDULE TO STANDARD MARK LICENCE

SAI Global hereby grants

Jiangmen Yuanqiang Safety Glass Co., Ltd
Single-storey Factory, Building No.6, Jinxi First Road, Waihai, Jianghai District, Jiangmen City (No.1 Self-made), Guangdong China

StandardsMark Licence

Manufactured to **AS 4666:2012 - Insulating glass units - This certification excludes Section 3 Glazing**

Model identification of the goods on which the STANDARDSMARK may be used:

Brand	Model Reg ID	Substrate	Spacer System	Construction Components	Fabrication Techniques	Desiccant	Sealant	Gas	Date Endorsed
Yuanqiang Glass	SMK41386-01	CU	AA	AA, GSJ	BC4GSJ	MS 3A LF	PBS2	Air	2 Feb 2024

End of Record

Certificate No: SMK41386

Issued Date: 6 February 2024

This schedule supersedes all previously issued schedules



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国家安全玻璃强制认证CCC认证
National safety glass compulsory
certification CCC certification



企业文化 corporate culture

技术是基础，管理是动力

行动是成功的开始，等待是失败的源头

成功者找方法，失败者找借口

态度决定一切，细节决定成败

态度决定行为，行为培养性格，性格决定命运

诚信立足，创新致远

Technology is the foundation, management is the driving force

Action is the beginning of success, and the waiting is the source of failure.

Winners find ways to find excuses.

Attitude decides everything, details determine success or failure.

Attitude determines behavior, behavior training character, character determines destiny.

Based on good faith, innovation



销售团队 Sales team

培育礼仪员工，创造团队精神 Cultivate etiquette staff, create a team spirit

团队精神，是企业文化的核心 Team spirit is the core of corporate culture

培养优质素质，提高团队力量 Training quality, improve team strength

讲究实效、完善管理、提升品质、增创效益 Efficiency, improve management, improve quality, increase of benefits

有品质才有市场，有改善才有进步 Have the quality to have the market, there is progress to improve



创新谋发展 众志铸辉煌

Innovation planning development
will cast brilliant



经营模式与思维创新，为合作伙伴创造可持续成长空间，
为社会的经济发展与环境的和谐不断探寻平衡之路。

Business model and thinking innovation, to create sustainable
growth space for partners,
For the social economic development and the environment of harmony
and constantly explore the balance of the road.

公司高质素科技产品走俏新加坡、澳大利亚、南美、北美及东南亚等国际市场

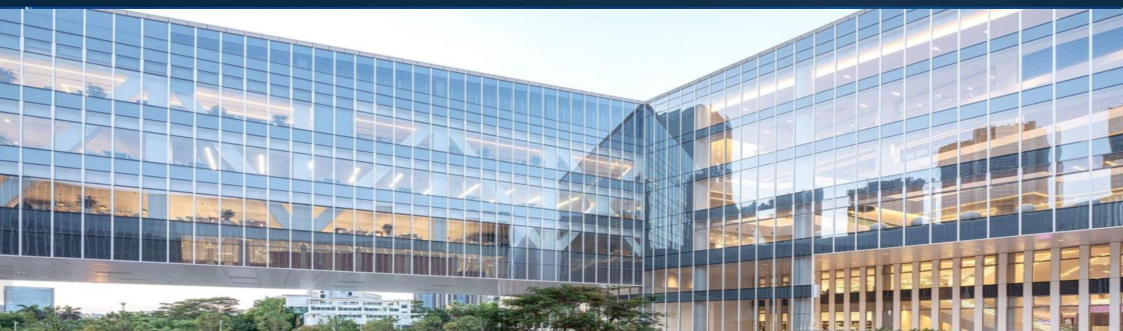
The company sells high
quality technology products
in Singapore,
Australia, South America,
North America
and Southeast Asia and
other international markets

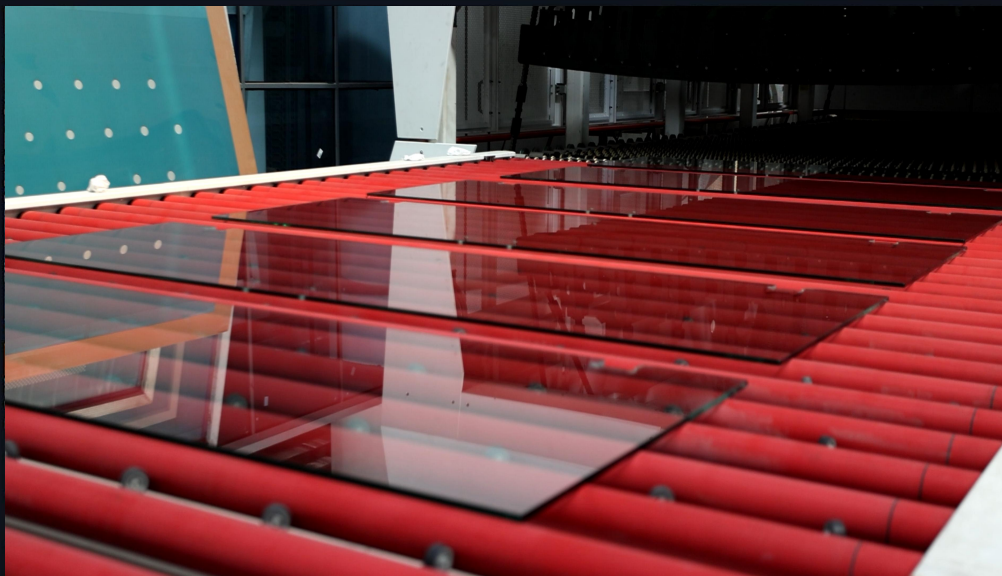


外贸部门商务洽谈开拓新加坡、

澳大利亚、南美、北美及东南亚等国际市场

Foreign trade department
to open up business
negotiations in Singapore,
Australia, South America,
North America
and Southeast Asia and
other international markets

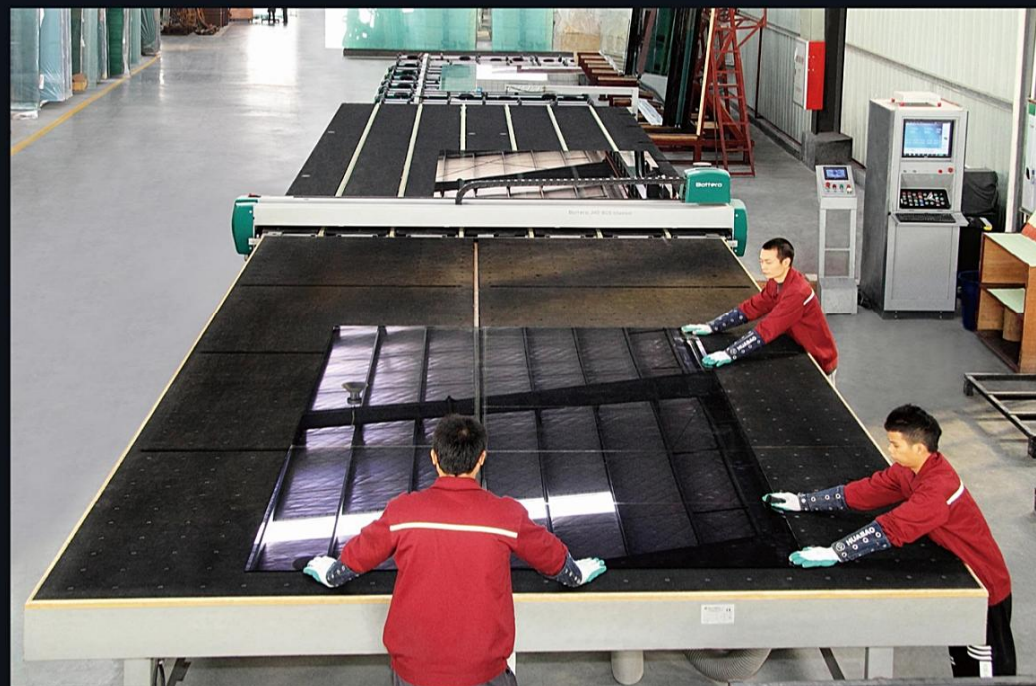




玻璃开介区 Glass cutting area

为保证产品质量，金义公司产品采用意大利进口
全自动数控玻璃切割机切割
In order to ensure the quality of products,
the company's products are used in Italy imported full
automatic CNC glass cutting machine

JINYI
GLASS

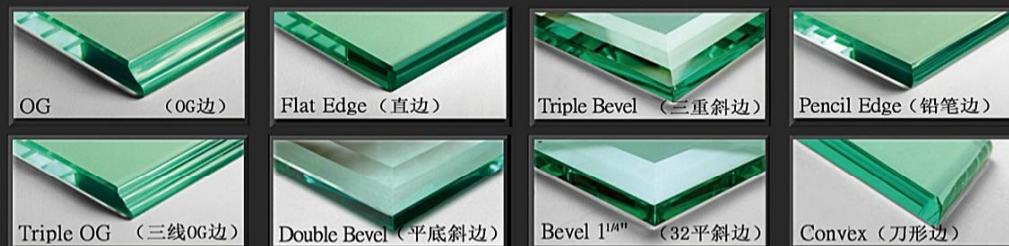


磨边区

Edge grinding area



Edges and Bevels 磨边和倒角





**TEMPERED
GLASS
AREA**

钢化区

Tempered glass area

钢化玻璃是通过在钢化炉内将玻璃加热到软化点附近，然后将其快速均匀冷却，在其表面形成均匀的压应力，而内部则形成张应力，使其机械强度提高，有效改善了玻璃的抗风压和抗冲击性能，提高玻璃抗热震性。

Tempered glass is the tempering furnace for the glass is heated to near the softening point, then the rapid and uniform cooling, formed on the surface of uniform compressive stress, tensile stress and internal form, the mechanical strength is improved, effectively improve the glass wind resistance and impact resistance, improve the thermal shock resistance of glass.



钢化玻璃 TEMPERED GLASS

钢化玻璃是通过在钢化炉内将玻璃加热到软化点附近，然后将其快速均匀冷却，在其表面形成均匀的压应力，而内部则形成张应力，使其机械强度提高，有效改善了玻璃的抗风压和抗冲击性能，提高玻璃抗热震性。

Tempered glass is the tempering furnace for the glass is heated to near the softening point, then the rapid and uniform cooling, formed on the surface of uniform compressive stress, tensile stress and internal form, the mechanical strength is improved, effectively improve the glass wind resistance and impact resistance, improve the thermal shock resistance of glass.

规格 Specifications

- ⑤ 尺寸 Size:
最大尺寸: 3300mm*15000mm
最小尺寸: 200mm*300mm
厚度: 4mm-19mm
Maximum size: 3300mm*15000mm
Minimum size: 200mm*300mm
Thickness: 4mm-19mm



特点 Characteristic

- ⑤ 安全性: 破碎时分裂成均匀钝角不易伤人的小颗粒
- ⑤ 强度: 钢化玻璃强度为普通玻璃的4倍
- ⑤ 热稳定性: 能承受200°C的温差变化

Safety: broken split into small particles obtuse not easy to hurt

Strength: the strength of tempered glass is 4 times of ordinary glass.

Thermal stability: can withstand the temperature difference of 200 degrees Celsius

产品种类 Product category

- ⑤ 透明、本体着色、彩釉、热反射镀膜、LOW-E镀膜，以及复合成的中空、夹层等产品。
- ⑤ 颜色: 透明清玻、超白、各种本体着色玻璃如: 绿色、灰色、蓝色、茶色等。

Transparent body, coloring, glaze, heat reflective coating, LOW-E coating, and the composite hollow, laminated products.

Color: clear, ultra white, tinted glass such as green, gray, blue, brown, etc..

质量 Quality

- ⑤ 符合GB15763.2--2005《钢化玻璃》国家标准
- ⑤ 通过澳洲AS/NZS2208:1996安全建筑玻璃认证
- ⑤ 符合英国BS6206标准
- ⑤ 通过国家安全玻璃强制认证CCC认证

Accord with GB15763.2--2005 "toughened glass" national standard

By the Australian AS/NZS2208:1996 safety glass certification

In line with the British BS6206 standards

Through national safety glass compulsory certification CCC certification



应用 Application

- ⑤ 钢化玻璃属于安全玻璃，广泛应用于对机械强度和安全性要求较高的场所，如玻璃门、建筑幕墙、室内隔断、电梯、橱窗、建筑门窗、家具、家电等等。

Toughened glass safety glass are widely used in high requirements of mechanical strength and safety of places, such as glass door, curtain wall of building, indoor partition, elevator, windows, building doors and windows, furniture, home appliance and so on.

半钢化玻璃 SEMI TEMPERED GLASS

半钢化玻璃也称热增强玻璃或强化玻璃。其生产方式基本与钢化玻璃相同，是将玻璃加热到接近于软化温度后进行均匀的急冷而成。在冷却过程中，由于冷却风压较小，冷却速度慢于钢化玻璃的冷却速度，因此在中间层与表面层的温差相对较小，从而产生的表面应力值较小。

Semi tempered glass, also known as heat enhanced glass or reinforced glass. The production method is basically the same as tempered glass, and it is to heat the glass to be close to the softening temperature. During the cooling process, due to the smaller cooling wind pressure, the cooling rate is slower than the cooling rate of tempered glass, the temperature difference between the middle layer and the surface layer is relatively small, thus the surface stress is small.



钢化玻璃破碎后成细小颗粒状
Tempered glass after breaking
into a small granular



普通玻璃破碎后成尖锐刀状
Ordinary glass broken
into a sharp knife



半钢化玻璃破碎状
Semi tempered glass broken

特点 Characteristic

- ▷ 强度为普通玻璃的2倍；
- ▷ 可以有效地抵抗热应力作用，避免玻璃的炸裂；
- ▷ 一旦破裂，半钢化玻璃裂纹全部是延伸到边，其碎片可以保留在框架内而不会坠落；
- ▷ 不易发生钢化玻璃的自爆现象；
- ▷ 比钢化玻璃具有更好的平整度。

Strength of 2 times the ordinary glass;

Can effectively resist the effect of thermal stress, avoid the glass burst;

Once broken, the crack of semi tempered glass is extended to the side, its debris can be retained within the framework and not fall;

Not easy to explode phenomenon of toughened glass;

Than tempered glass with a better flatness.

规格 Specifications

- ▷ 尺寸Size:
最大尺寸: 3300mm*15000mm 最小尺寸: 200mm*300mm
厚度: 4mm\5mm\6mm\8mm\10mm\12mm
Maximum size: 3300mm*15000mm minimum size: 200mm*300mm
Thickness: 4mm\5mm\6mm\8mm\10mm\12mm

质量 Quality

- ▷ 符合GB/T17841-2008《半钢化玻璃》 Accord with GB/T17841-2008 "semi tempered glass"

应用 Application

- ▷ 广泛应用于玻璃幕墙、暖房、温室、室内隔断、特别适合于合成夹层玻璃。
Widely used in glass curtain wall, conservatory, greenhouse, indoor partition, especially suitable for the synthesis of laminated glass.

颜色品种 Color variety

- ▷ 透明玻璃、本体着色玻璃如绿、蓝、灰、茶、可钢化热反射镀膜玻璃、LOW-E镀膜玻璃以及其复合中空、夹层等产品。
Transparent glass, body colored glass, such as green, blue, gray, tea, can be tempered heat reflective coated glass, LOW-E coated glass and its composite, or hollow, sandwich and other products.

钢化镀膜玻璃 TEMPERABLE COATED GLASS

钢化镀膜玻璃以浮法透明玻璃和各种本体着色玻璃为基片，在真空状态下以磁控溅射的方法镀上一层或多层透明金属薄膜而成。

The glass is made of transparent glass and all kinds of bulk glass as substrates. In vacuum state, a layer or multilayer transparent metal film is deposited by magnetron sputtering method.

质量标准 Quality standard

GB/T18915.1 《镀膜玻璃 第1部分 阳光控制镀膜玻璃》

GB/T18915.2 《镀膜玻璃 第2部分 低辐射镀膜玻璃》

GB/T18915.1 "coated glass first part sun control coated glass"

GB/T18915.2 "coated glass second parts of low radiation coated glass"

产品规格 Product specifications

尺寸：最大尺寸：3300mm* 15000mm 最小尺寸：3300mm* 800mm

厚度：3、4、5、6、8、10、12、15、19mm

实际镀膜相关复合产品加工尺寸还取决于其他设备加工能力。

Size: Max Size: 3300mm * 15000mm

Minimum size: 3300mm * 800mm

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

The processing size of the actual coating related composite products also depends on the processing capacity of other equipment.

玻璃技术术语名称解释

Glass technical term name interpretation

- 1、可见光透射比：在可见光光谱（波长：380~780NM）范围内，透过玻璃光强度与透射光强度的比；
- 2、可见光反射比：在可见光光谱（波长：380~780NM）范围内，玻璃反射光强度与透射光强度的比；
- 3、太阳光透射比：在太阳光谱（波长：300~2500NM）范围内，直接透过玻璃光强度与投射光强度的比；
- 4、太阳光反射比：在太阳光谱（波长：300~2500NM）范围内，玻璃反射光强度与透射光强度的比；
- 5、阳光热获得比：又称阳光热量获得因子、SHGC/G值，是指相同条件下太阳辐射能量透过玻璃进入室内的热量（包括直接透过和吸收后向室内释放的热量）与直接太阳能辐射热量的比率。
- 6、遮阳系数：又称遮蔽系数、SC值，是指相同条件下玻璃的阳光热获得比与标准3MM透明浮法玻璃的阳光热获得比的比值。标准3MM透明浮法玻璃的阳光热获得比为0.87。遮阳系数越小，玻璃遮挡阳光辐射性能越好。
- 7、传热系数：U值或K值，是指自稳定传热条件下，玻璃两侧温度差为1度（3K, ℃），1秒内通过2平方米面积传递热量，单位是瓦/平方米·度（W/m²·℃）。
- 8、相对热增：RHG值，在ASHRAE夏季标准条件下，透过玻璃的热量总增益，公式：是表征玻璃综合性能的值，单位为W/m²。
- 9、LSG：热光比，玻璃制品可见光透射与阳光热获得比的比值，衡量玻璃对光线热量过滤的能力，公式：其中0.87为标准3MM透明浮法玻璃的阳光热获得比。LSG数值以三银（>1.8），双银（1.5~1.8），单银（1.0~1.5），热反射（>1.0）依次递减（JGJ151）。

Visible transmittance: in the visible spectrum (wavelength: 380 ~ 780NM) range, through the glass light intensity and transmission light intensity ratio;

Visible reflectance ratio: in the visible light spectrum (wavelength: 380 ~ 780NM), the ratio of the reflected light intensity and the transmitted light intensity;

Solar transmittance: in the solar spectrum (wavelength: 300 ~ 2500NM), directly through the glass light intensity and the ratio of the intensity of the projection light;

Solar light reflection ratio: in the range of solar spectrum(wavelength: 300 ~ 2500NM), the ratio of the reflected light intensity to the transmitted light intensity;

Sun heat than and sunlight heat gain factor, SHGC/G, refers to the solar radiation energy under the same conditions through the glass into the indoor heat (including direct through and absorption to the indoor heat release rate) and direct solar radiation heat.

Sun shading coefficient: also known as shading coefficient, SC value, refers to the same conditions, the glass of the sun heat than the standard 3MM transparent float glass and the ratio of the sun heat. Standard 3MM transparent float glass of the sun heat gain ratio of 0.87. The smaller the sun shading coefficient, the better the performance of the glass blocking the sun radiation.

Heat transfer coefficient: U or K value, refers to the self stable heat transfer conditions, the temperature difference between the glass on both sides of 1 degrees (3K, e), 2 square meters in a second pass through the area of heat, the unit is tile / square meter (W/m2 degrees).

Relative heat gain: RHG value, in the ASHRAE standard conditions, the total heat gain through the glass, the formula: is the value of the characterization of the properties of the glass, the unit is W/m2.

LSG: optical glass than visible light transmittance and the sun heat gain ratio, to measure the glass to light heat filtering ability, which is the standard 3MM formula: 0.87 sun heat clear float glass than the. LSG value to three silver (>1.8), silver (1.8~1.5), silver (1.5~1), thermal reflection (>1.0) followed by diminishing (JGJ151).



热反射镀膜 (LOW-E) 节能玻璃

REFLECTIVE (LOW-E) COATED GLASS

热反射镀膜玻璃又称阳光控制镀膜玻璃或遮阳玻璃,是采用真空磁控溅射的方法,在优质的浮法玻璃表面镀上专用材料膜层制成。根据需要选择不同的膜层材料和膜层组合,可准确地按比例控制太阳能直接辐射的反射、透过和吸收,并获得所需要的颜色。金义公司率先研发并成功大批量生产的离线镀膜玻璃,可进行钢化、热弯等二次加工。

Thermal reflection coating glass, also known as sun control coated glass or sun shading glass, is a vacuum magnetron sputtering method, in the high quality float glass surface coating made of special materials. According to the need to select a different layer of film materials and film composition, can accurately control the solar direct radiation of reflection, transmission and absorption, and get the needed color.

Jinyi glass company pioneered the development and success of the production of off-line coated glass, can be tempered, hot bending, such as the two processing.



规格 Specifications

- 尺寸: 标准大板玻璃尺寸2440mm*3660mm, 2440mm*3300mm, 2400mm*3300mm, 2100mm*3300mm, 最大尺寸3300mm*15000mm, 最小尺寸300mm*800mm, 顾客亦可要求介于最大、最小尺寸之间的各种尺寸。

厚度: 3、4、5、6、8、10、12、15mm, 常规厚度为5、6mm。

Size: standard plate glass size 2440mm*3660mm, 2440mm*3300mm, 2400mm*3300mm, 2100mm*3300mm, Maximum size: 3300mm*15000mm, minimum size: 300mm*800mm, Customers can also request a range of sizes between the maximum and minimum sizes.

Thickness: 3, 4, 5, 6, 8, 10, 12, 15mm, conventional thickness of 5, 6mm.

产品种类 Product category

- 复合玻璃: 除可提供不同型号、规格的单片产品外,还可与金义公司其他玻璃产品复合制成彩釉镀膜玻璃、防火镀膜玻璃、夹层镀膜玻璃、钢化镀膜玻璃、中空镀膜玻璃,以及多种组合的复合玻璃产品。

- 颜色: 银灰、灰色、蓝灰、蓝色、湖水蓝、灰绿、绿色、蓝绿、金色、茶色、香槟色等等。每种颜色并有深浅不同色调。色彩多元化,适合各类建筑上的不同功能与美学的需求。

Composite glass: in addition to providing monolithic products of different types and specifications, and also Jinyi glass company other glass products made of composite glaze coated glass, coated glass, fireproof sandwich coated glass, coated glass, tempered glass, and various combinations of composite glass products.

Color: silver, gray, blue and gray, lake placid blue, blue, grey green, green water, green, blue, golden brown, champagne and so on. Each color and have different shades of color. Color diversity, suitable for all types of construction different functions and aesthetic needs of the building.

适用范围

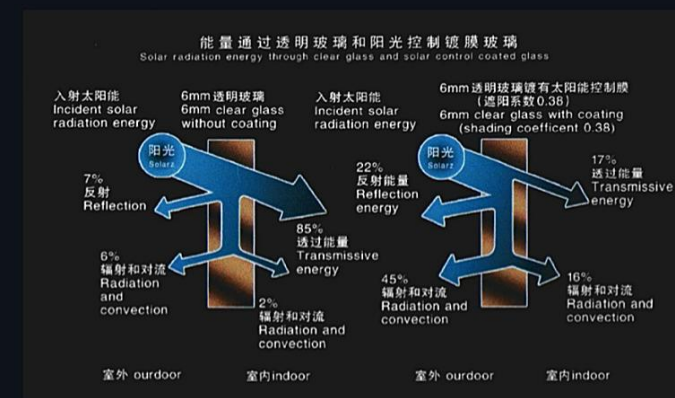
Scope of application

- 夏季炎热阳光炽热的地区。
- 要求色彩装饰效果的建筑。
- 要求室外视线遮蔽效果的建筑。

Hot areas of the hot sun in summer.

Architecture for the effect of color decoration.

Buildings for the effect of outdoor sight.



特点 Characteristic

- 有效限制太阳能直接辐射的入射量,遮阳效果明显。
- 丰富多彩的反射色调和极佳的装饰效果。
- 对室内物体和建筑构件具有良好视线遮蔽功能。
- 较理想的可见光透过比和反射比,减弱紫外线的透过。
- 良好的节能效果。

Effectively limit the amount of incident solar radiation, shading effect is obvious.

Rich and colorful reflective colors and excellent decorative effect.

Good eye sight shielding function for indoor and building components.

The ideal visible light transmittance and reflectance, the weakening of ultraviolet light through.

Good energy saving effect.

质量 Quality

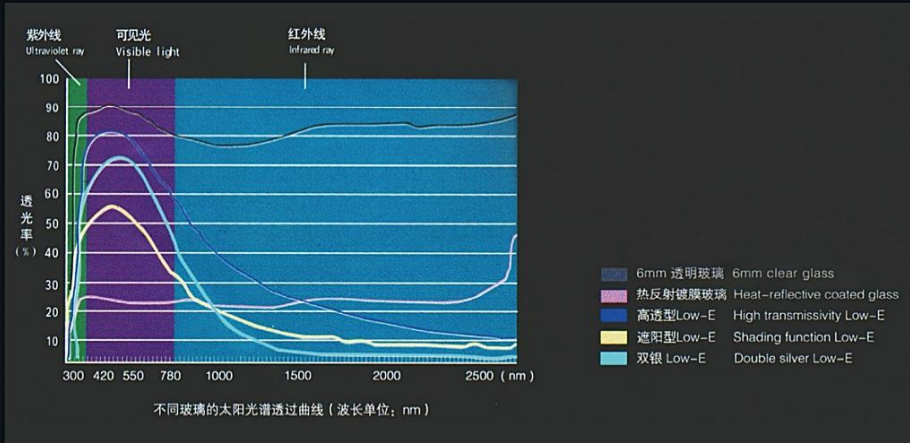
- 符合GB/T18915.1-2002《阳光控制镀膜玻璃》国家标准。

In accordance with the GB/T18915.1-2002 "sunshine control coated glass" national standards.

硬镀膜低辐射(LOW-E)节能玻璃 HARD COATED LOW RADIATION (LOW-E) GLASS

低辐射镀膜玻璃（又称LOW-E玻璃），是一种高性能、高效能的窗户玻璃，外有隐形层，可阻挡热流。

Pilkington energy advantage™ (also known as LOW-E glass) is a kind of high performance, high energy efficiency of the window glass, there are hidden layer, can block the heat flow.



特点 Characteristic

世界领先的在线LOW-E镀膜技术，在玻璃冷却前进行在线镀膜，冷却后膜层成为玻璃的一部分。可单片使用，也可以用于中空玻璃或夹胶玻璃，膜层可长期暴露在空气中。易于热弯、钢化或半钢化，和普通玻璃一样易于处理和加工，持久耐用。

The world's leading online LOW-E coating technology, in front of the glass cooling on-line coating, cooling after the film became part of the glass. Can be used as single, can also be used for hollow glass or laminated glass, the film can be exposed to air for a long time. Easy to bend, steel or semi tempered, and ordinary glass as easy to handle and processing, durable.



产品规格 Product specifications

- 尺寸：最大尺寸：3300mm* 15000mm
最小尺寸：300mm* 800mm
- 厚度：3、4、5、6、8、10、12、15、19mm
- 实际镀膜相关复合产品加工尺寸还取决于其他设备加工能力。

Size: Max Size: 3300mm * 15000mm

Minimum size: 300mm * 800mm

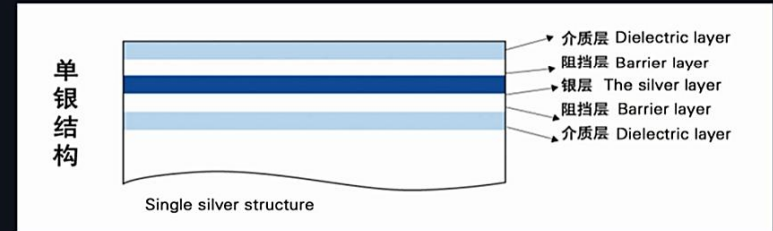
Thickness: 3, 4, 5, 6, 8, 10, 12, 15, 19mm

The processing size of the actual coating related composite products also depends on the processing capacity of other equipment.

单银高透型 (LOW-E) 节能玻璃 SINGLE SILVER HIGH PERMEABILITY (LOW-E) GLASS

高透型低辐射 (LOW-E) 玻璃在6mm单片上的可见光透过率可高达80%以上。该类型产品的外观颜色可以是微蓝、浅灰或中性无色。适用于高档住宅、冰柜及其他要求高透率的各类建筑。

The visible light transmittance of the high permeability (LOW-E) glass on the 6mm single chip can be as high as 80% or more. This type of product appearance color can be blue, light grey or neutral colorless. Suitable for high-grade residential, freezers and other requirements of high transmittance of all kinds of buildings.



特点 Characteristic

- 较高的可见光透过率--出色的可见光透光性，室内自然采光效果好。
- 较高太阳能透过率--透过玻璃的太阳热辐射多，玻璃的遮阳系数 $Sc \geq 0.5$ 。
- 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。

High visible light transmittance - excellent visible light transmittance, good indoor natural lighting effect. High solar transmittance, solar heat radiation through the glass, glass shading coefficient $Sc = 0.5$. Extremely high far infrared reflectivity, low heat transfer coefficient U value, excellent thermal insulation performance.

单银遮阳型 (LOW-E) 节能玻璃 SINGLE SILVER SHADING TYPE (LOW-E) GLASS

遮阳型LOW-E玻璃，具备阳光控制膜玻璃遮阳能力和低辐射玻璃保温隔热能力强的双重优点，适合各种类型的气候条件。

Sun shading type LOW-E glass, with the sun control film glass sun shading capacity and low radiation glass thermal insulation capacity of the dual advantages, suitable for various types of climatic conditions.

特点 Characteristic

- 适中的可见光透过率--控制可见光透过量，对室外视线具有一定的遮蔽性，保持室内私密性。
- 较低的太阳能透过率--有效阻止太阳热辐射进入室内，遮阳系数 $Sc < 0.5$ ，隔热性能优良。
- 极高的远红外线反射率--传热系数U值低，限制夏季室外的背景热辐射进入室内。

Moderate visible light transmittance of visible light - control through excess, with shielding some of the outdoor sight, maintain privacy.

Low solar transmittance prevent solar thermal radiation into the interior, shading coefficient $Sc < 0.5$, good insulation properties.

Extremely high far infrared reflectivity, low heat transfer coefficient U value, limited summer outdoor background heat radiation into indoor.



双银低辐射 (LOW-E) 节能玻璃

DOUBLE SILVER LOW RADIATION (LOW-E) GLASS

双银低辐射 (LOW-E) 玻璃是国内最新技术。其特点是膜层中含有双层具有红外线反射能力的银 (Ag) 层材料和多层具有减少可见光反射、增加可见光透射以及保护银层作用的介电材料。

Double silver low radiation (LOW-E) glass is the latest technology. The material is characterized in that a layer of silver (Ag) layer material with an infrared reflecting ability is characterized in that the film layer has a dielectric material which can reduce the visible light reflection, increase the visible light transmission and protect the silver layer.

特点 Characteristic

与普通单银低辐射玻璃相比, 双银低辐射玻璃的隔热性能提高30%。在保证高可见光透射率的基础上, 进一步降低SC值和U值, 达到最佳节能隔热效果。是追求自然高透外观设计和节能实用效果的最佳选择。

Compared with the ordinary single silver low radiation glass, the heat insulation performance of the double silver low radiation glass is increased by 30%. On the basis of ensuring the high visible light transmittance, the SC value and U value are further reduced, and the best energy saving and heat insulation effect is achieved. It is the best choice to pursue the design of natural high permeability and the practical effect of energy saving.

产品规格 Product specifications

- 尺寸: 最大尺寸: 3300mm* 15000mm
最小尺寸: 300mm* 800mm
- 厚度: 3、4、5、6、8、10、12、15、19mm
- 实际镀膜相关复合产品加工尺寸还取决于其他设备加工能力。

Size: Max Size: 3300mm * 15000mm Minimum size: 300mm * 800mm
Thickness: 3, 4, 5, 6, 8, 10, 12, 15, 19mm

The processing size of the actual coating related composite products also depends on the processing capacity of other equipment.



三银低辐射 (LOW-E) 节能玻璃

TRIPLE SILVER LOW RADIATION (LOW-E) GLASS

三银低辐射 (LOW-E) 玻璃是一种高效、高性能的节能玻璃, 它将可见光的射入与太阳能的控制达到了最佳的匹配, 它中性化的颜色更为设计师的创作带来艺术的灵感。

Triple silver low radiation (LOW-E) glass is a kind of energy-saving glass glass of high energy efficiency and high performance, it will control the incoming solar and visible light to achieve the best matching, it is more neutral colors bring designers creative artistic inspiration.

特点 Characteristic

三银低辐射节能玻璃比双银、单银低辐射节能玻璃能够更加有效的节约能耗。

Triple silver low radiation (LOW-E) glass than double silver, single silver low radiation energy saving glass can be more effective energy saving.

规格 Specifications

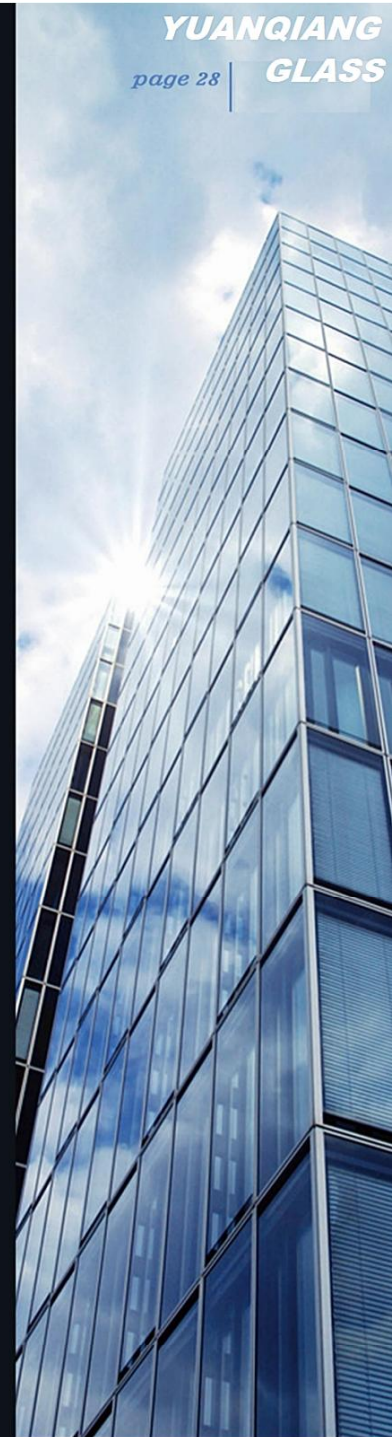
- 尺寸: 标准大板玻璃尺寸2440mm*3660mm, 2440mm*3300mm, 2400mm*3300mm, 2100mm*3300mm, 最大尺寸3300mm*15000mm, 最小尺寸300mm*800mm, 顾客亦可要求介于最大、最小尺寸之间的各种尺寸。

厚度: 3、4、5、6、8、10、12、15mm, 常规厚度为5、6mm。

Size: standard plate glass size 2440mm*3660mm, 2440mm*3300mm, 2400mm*3300mm, 2100mm*3300mm, Maximum size: 3300mm*15000mm, minimum size: 300mm*800mm, Customers can also request a range of sizes between the maximum and minimum sizes.

Thickness: 3, 4, 5, 6, 8, 10, 12, 15mm, conventional thickness of 5, 6mm.

LOW-E中空玻璃自动化生产线
Automatic LOW-E Insulating Glass Production Line



防火玻璃

FIREPROOF GLASS

单片防火玻璃是在单片使用时具有防火功能的特种玻璃。此种玻璃是采用物理和化学的方法对浮法玻璃进行处理而得到，主要用于建筑幕墙、门窗玻璃。遇火时能在一定时间内不炸裂，有效的阻止火焰与烟雾的蔓延，由于遇火时一直保持透明状态，有利于第一时间发现火情，使人们有足够的时间撤离现场。

Monolithic fireproof glass is a kind of special glass which has the function of fire prevention. This kind of glass is processed by physical and chemical method, which is mainly used for building curtain wall, door and window glass. In case of fire can not burst in a certain period of time, effectively prevent flame and smoke spread, because has maintained a transparent state in case of fire, for the first time that the fire, so that people have enough time to evacuate the scene.

主要性能 Main performance

单片防火玻璃:

- 高强度: 相同厚度下, 防火玻璃的强度是普通浮法玻璃强度的6倍, 是钢化玻璃的1.5倍。
- 可加工性: 可加工成镀膜玻璃、夹层玻璃、中空玻璃, 同时兼顾装饰、美观、安全、防火等多方面功能。
- 耐火等级: 满足耐火完整性要求, 不能满足耐火隔热性要求和阻隔热辐射强度要求。
- 重量轻: 单片防火玻璃重量远小于相同面积的复合防火玻璃, 因此有利于搬运、安装。

复合防火玻璃:

- 耐火等级: 同时可满足耐火完整性、耐火隔热性要求和阻隔热辐射强度要求。
- 遇火后可长时间阻止火焰与烟雾的蔓延, 同时阻止大量热量传递, 但遇火后不透明。

Monolithic fireproof glass:

High strength: the same thickness, the strength of the fire glass is 6 times the strength of ordinary float glass, is 1.5 times the toughened glass.

Machinability: can be processed into coated glass, laminated glass, insulating glass, while taking into account the decoration, beautiful, safe, fire and other aspects of the function.

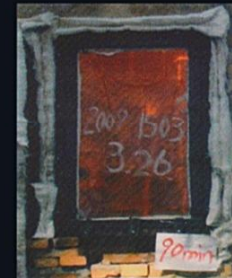
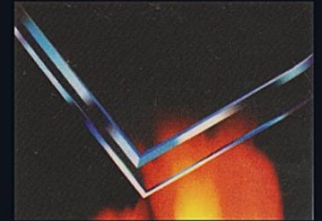
Refractory grade: to meet the requirements of fire resistance, can not meet the requirements of fire insulation and heat radiation barrier requirements.

Light weight: the weight of a single piece of fireproof glass is much less than the same area of the composite fire glass, so it is conducive to handling, installation.

Composite fireproof glass:

Refractory grade: at the same time, it can meet the requirements of fire resistance, thermal insulation and heat radiation.

After the fire can be a long time to prevent the spread of flame and smoke, while preventing a large number of heat transfer, but after the fire opaque.



应用 Application

单片防火玻璃:

单片防火玻璃具有很好的可加工性, 可加工成夹层、中空、镀膜、点式幕墙玻璃等, 通常多用于室外建筑。

复合防火玻璃:

复合防火玻璃主要用于室内防火、室内防火隔断和逃生通道。复合防火玻璃可加工性差, 一般不可以再加工, 设计版面不宜过大。

Monolithic fire proof glass: single chip fire proof glass has very good machinability, can be processed into a sandwich, hollow, coating, point type curtain wall glass, etc., usually used for outdoor construction.

Composite fireproof glass is mainly used for indoor fire prevention, indoor fire partition and escape passage. The composite fireproof glass poor machinability, generally can not be processed, the design surface should not be too large.

质量 Quality

符合国家标准GB 15763.1—2001《建筑用安全玻璃防火玻璃》

Conforms to the national standard GB 15763.1 - 2001 "the building uses the safety glass to fire the glass"



Hollow glass area 中空区

中空玻璃是由两片或多片玻璃用高强度结构胶，将玻璃与内含干燥剂的间隔框粘为一体，在玻璃间形成密封干燥气体腔体的符合玻璃产品。

Hollow glass is made of two or more pieces of glass with high strength structural adhesive, the glass and containing desiccant gap between the frame as a whole, in the glass forming a sealed dry gas chamber of glass products.

HOLLOW GLASS 中空玻璃

特点 Characteristic

- ⑤ 热学性能：中空玻璃的隔热性能是目前为止所有玻璃深加工产品中较为理想的，可有效降低传热系数U值，若充入惰性气体如氖气、氩气、氦气可进一步降低传热系数。
- ⑤ 隔热性能：中空玻璃是理想的降噪音材料，一般中空玻璃可降低噪音约30分贝，中空玻璃若充入惰性气体可在原有基础上再降低5分贝左右。
- ⑤ 低温不结露：由于在中空玻璃的间隔条内填充了足够的干燥剂，它可有效地吸附中空玻璃内腔中和外界可能渗入的水蒸气，确保中空玻璃内腔中空气绝对干燥，从而到达不结露。
- ⑤ 光学性能：根据需要中空玻璃的基片可选择不同产品灵活组合，达到需要的太阳光透射率和反射率。
- ⑤ 重量轻：在隔热效果相同条件下，用中空玻璃代替部分砖墙或混凝土墙，可减少建筑荷载，简化建筑物结构。

Thermal properties: thermal insulation performance of hollow glass is ideal so far all glass deep-processing products, can effectively reduce the value of heat transfer coefficient U, if filled with inert gas as neon, argon and helium can further reduce the coefficient of heat transfer.

Heat insulation performance: hollow glass is ideal noise reduction material, generally hollow glass can reduce noise about 30 dB, hollow glass if filled with inert gas can be reduced by about 5 dB on the original basis.

Low temperature condensation: because the insulating glass spacer filled with enough desiccant, it can effectively absorb the hollow glass cavity or penetrated from outside of the water vapor in the air, to ensure that the glass chamber is absolutely dry, so as to achieve the dew.

Optical performance: according to the needs of the hollow glass substrate can choose a flexible combination of different products, to achieve the required solar light transmittance and reflectivity.

Under the condition of the same heat insulation effect, the hollow glass is used to replace the partial brick wall or concrete wall, which can reduce the building load and simplify the structure of the building.

产品种类 Product category

- ⑤ 可用透明玻璃、本体着色玻璃、钢化玻璃、热反射镀膜玻璃、LOW-E镀膜玻璃、夹层玻璃、彩釉玻璃等任意组合产品。可做成平面或者弧面中空玻璃。

Clear glass, tinted glass, tempered glass, heat reflective coated glass, LOW-E glass, laminated glass, coated glass, such as any combination of products. Can be made into a plane or cambered hollow glass.

规格 Specifications

- ⑤ 尺寸：最大3300mm*15000mm 最小300mm*300mm
- ⑤ 间隔铝框厚度（常规）6mm、9mm、12mm、15mm、16mm、20mm
- ⑤ 玻璃厚度：3mm至19mm的各种复合玻璃

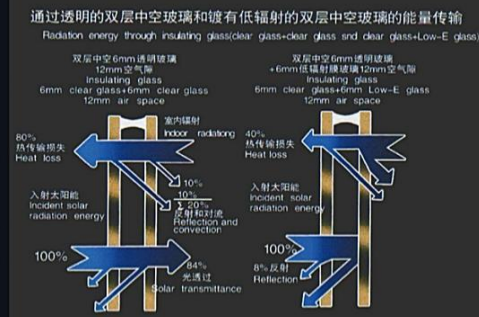
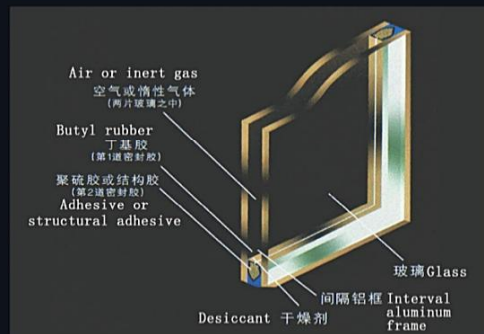
Size: Maximum size 3300mm*15000mm
Minimum size 300mm*300mm

Interval thickness (conventional) 6mm, 9mm, 12mm, 15mm, 16mm, 20mm

Glass thickness: 3mm to 19mm a variety of composite glass

质量 Quality

- ⑤ 符合GB/T11944-2002《中空玻璃》标准。
Meet GB/T11944-2002 "hollow glass" standard.



应用 Application

- ⑤ 广泛应用于各类建筑的幕墙门窗、室内隔断或冰柜。
Widely used in various types of building curtain walls and windows, indoor partition or freezer.



HOLLOW GLASS 中空玻璃

特点 Characteristic

- ⑤ 热学性能：中空玻璃的隔热性能是目前为止所有玻璃深加工产品中较为理想的，可有效降低传热系数U值，若充入惰性气体如氖气、氩气、氦气可进一步降低传热系数。
- ⑤ 隔热性能：中空玻璃是理想的降噪音材料，一般中空玻璃可降低噪音约30分贝，中空玻璃若充入惰性气体可在原有基础上再降低5分贝左右。
- ⑤ 低温不结露：由于在中空玻璃的间隔条内填充了足够的干燥剂，它可有效地吸附中空玻璃内腔中和外界可能渗入的水蒸气，确保中空玻璃内腔中空气绝对干燥，从而到达不结露。
- ⑤ 光学性能：根据需要中空玻璃的基片可选择不同产品灵活组合，达到需要的太阳光透射率和反射率。
- ⑤ 重量轻：在隔热效果相同条件下，用中空玻璃代替部分砖墙或混凝土墙，可减少建筑荷载，简化建筑物结构。

Thermal properties: thermal insulation performance of hollow glass is ideal so far all glass deep-processing products, can effectively reduce the value of heat transfer coefficient U, if filled with inert gas as neon, argon and helium can further reduce the coefficient of heat transfer.

Heat insulation performance: hollow glass is ideal noise reduction material, generally hollow glass can reduce noise about 30 dB, hollow glass if filled with inert gas can be reduced by about 5 dB on the original basis.

Low temperature condensation: because the insulating glass spacer filled with enough desiccant, it can effectively absorb the hollow glass cavity or penetrated from outside of the water vapor in the air, to ensure that the glass chamber is absolutely dry, so as to achieve the dew.

Optical performance: according to the needs of the hollow glass substrate can choose a flexible combination of different products, to achieve the required solar light transmittance and reflectivity.

Under the condition of the same heat insulation effect, the hollow glass is used to replace the partial brick wall or concrete wall, which can reduce the building load and simplify the structure of the building.

产品种类 Product category

- ⑤ 可用透明玻璃、本体着色玻璃、钢化玻璃、热反射镀膜玻璃、LOW-E镀膜玻璃、夹层玻璃、彩釉玻璃等任意组合产品。可做成平面或者弧面中空玻璃。

Clear glass, tinted glass, tempered glass, heat reflective coated glass, LOW-E glass, laminated glass, coated glass, such as any combination of products. Can be made into a plane or cambered hollow glass.

规格 Specifications

- ⑤ 尺寸：最大3300mm*15000mm 最小300mm*300mm
- ⑤ 间隔铝框厚度（常规）6mm、9mm、12mm、15mm、16mm、20mm
- ⑤ 玻璃厚度：3mm至19mm的各种复合玻璃

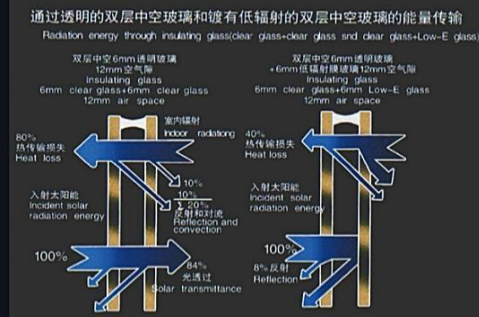
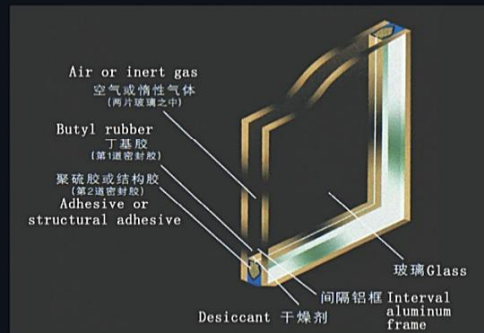
Size: Maximum size 3300mm*15000mm
Minimum size 300mm*300mm

Interval thickness (conventional) 6mm, 9mm, 12mm, 15mm, 16mm, 20mm

Glass thickness: 3mm to 19mm a variety of composite glass

质量 Quality

- ⑤ 符合GB/T11944-2002《中空玻璃》标准。
Meet GB/T11944-2002 "hollow glass" standard.



应用 Application

- ⑤ 广泛应用于各类建筑的幕墙门窗、室内隔断或冰柜。
Widely used in various types of building curtain walls and windows, indoor partition or freezer.



夹层玻璃 LAMINATED GLASS

特点 Characteristic

- 安全性:**
PVB胶膜的韧性非常好，在夹层玻璃受到外力冲击破裂时，PVB胶层会吸收大量的冲击能，并使之迅速减弱，所以夹层玻璃很难被击穿，即使玻璃被击裂，仍能完整地保持在框架内，并仍然有一定挡风遮雨的作用，因此夹层玻璃是真正意义上的安全玻璃。
- 隔音性:**
PVB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（高达99%以上）可以保护您室内贵重家具、陈列品、艺术品等免受紫外线影响而褪色。
- 保安性:**
因为无法采用玻璃刀对安装的夹层玻璃实施有效切割，而用其它工具击穿夹层玻璃时间长，声音大、故通过切割或打碎夹层玻璃进入室内比较困难而且容易被发现，因此夹层玻璃对于恶意破坏、偷窃和暴力有很强的抵御作用。
- 防弹防爆性:**
用多层夹层玻璃可以制造各种类别的防子弹、防炸弹、防爆玻璃。
- 防飓风地震:**
由于夹层玻璃中的PVB膜有高坚韧性和强粘聚力，夹层玻璃在破碎后，碎片仍保留在原地，在飓风地区和地震区更适宜采用。

Security: PVB film toughness is very good, by external impact rupture in laminated glass, PVB layer can absorb a large amount of impact energy, and make it weakened rapidly, so the laminated glass is difficult to breakdown, even if the glass is cracked, still intact in the frame, and there is still a wind rain therefore, the laminated glass is safety glass in the true sense.

Sound insulation: PVB plastic film has a strong damping effect on sound waves, the sound wave through the laminated glass significantly weakened, so that work or home to reduce noise interference.

UV protection: laminated glass to have a high UV blocking effect (up to more than 99%) can protect your indoor precious furniture, display, art and so on from UV effects and fade.

Security: because it can not use glass knife cut effectively the laminated glass installation, and other tools of long time, breakdown of laminated glass, so the sound by cutting or breaking the laminated glass is difficult to enter the room and easy to be found, so the laminated glass for theft and malicious destruction of violence, strong resist.

Bullet proof and anti - Explosion: with multi-layer laminated glass can be used to create various types of anti - bullets, bombs, explosion-proof glass.

Hurricane proof earthquake: because the PVB film laminated glass of high toughness and strong adhesive force, laminated glass after breaking, fragments remain in situ, in hurricane and earthquake areas more suitable area.

规格 Specifications

- 最大尺寸:** 3300mm*15000mm,
弯夹层尺寸取决于弯玻璃尺寸
- 原片厚度:** 3mm--19mm
- 胶片厚度:** 0.38mm以及0.38mm的倍数
Maximum size: 3300mm*15000mm, curved sandwich size depends on the bending glass size
Original film thickness: 3mm--19mm
Film thickness: a multiple of 0.38mm and 0.38mm

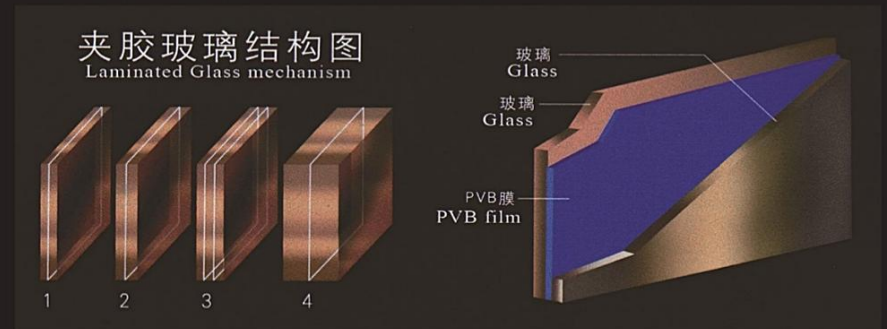


产品种类 Product category

- 普通透明与本体着色夹层、镀膜夹层、LOW-E夹层、钢化夹层、半钢化夹层。**
Common transparent and body colored sandwich, coating layer, LOW-E layer, steel sandwich, semi tempered sandwich.

质量 Quality

- 符合GB15763.3-2009国家标准** Meet GB15763.3-2009 national standards
- 通过国家安全玻璃强制认证CCC认证** Through national safety glass compulsory certification CCC certification
- 通过澳洲AS/NZS2208:1996安全建筑玻璃认证** By the Australian AS/NZS2208:1996 safety glass certification



应用 Application

- 夹层玻璃具有的独特优点，使其广泛用于建筑物光棚、架空地面、高档幕墙门窗、家具、橱窗、水族馆等。**
Laminated glass has the unique advantages, so it is widely used in building light shed, overhead floor, high-grade curtain wall windows and doors, furniture, windows, aquarium and so on.

夹胶生产线大型高压釜设备
Laminated production line of large autoclave equipment



彩釉钢化玻璃

ENAMELLED TEMPERED GLASS

彩釉玻璃是在浮法玻璃的表面涂上一层陶瓷釉料，通过高温加热处理后，此层釉料膜将烧结在玻璃的表面，永不褪色脱落。现代建筑外墙设计需要一些不透、半透、特殊图案的玻璃，彩釉玻璃正越来越多的应用于现代建筑，创造出个性化的风格。

Glazed glass is on the surface of float glass coated with a layer of ceramic glaze, through high temperature heat treatment, the surface layer of glaze film sintered in glass, never fade off. The exterior design of modern architecture need some opaque, semi transparent, special pattern glass, coated glass is widely used in modern architecture, to create a personalized style.

特点 Characteristic

- 彩釉玻璃的釉料具有永不脱落、不褪色、无吸湿性、无渗透性、易清洁、易于搭配颜色等特点；
- 可按客户要求订制不同颜色和图案，在室外有很好的效果；
- 釉面能吸收并反射部分阳光热能，有一定遮阳功能；具有遮蔽的功能，可用于窗幕墙部位。

Glazed glass glaze has never fall off, do not fade, no moisture absorption, permeability, easy to clean, easy to color collocation etc.;

Can be customized according to customer requirements of different colors and patterns, in the outdoor has a very good effect;

The glaze can absorb the reflection of the sun and geothermal energy, with a shading function; with shielding function, can be used for wall spandrel.

产品规格 Product specifications

- 尺寸：最大尺寸：3300mm* 15000mm
最小尺寸：300mm* 800mm
- 厚度：3、4、5、6、8、10、12、15、19mm
- 实际镀膜相关复合产品加工尺寸还取决于其他设备加工能力。

Size: Max Size: 3300mm * 15000mm

Minimum size: 300mm * 800mm

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

The processing size of the actual coating related composite products also depends on the processing capacity of other equipment.



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LAMINATED GLASS 夹层玻璃

- ☉ 可见光透射比：在可见光光谱（波长：380~780nm）范围内，透过玻璃光强度的百度比。
- ☉ 可见光反射比：在可见光光谱（波长：380~780nm）范围内，玻璃表面反射光强度的百分比。
- ☉ 太阳能透射比：在太阳能光谱（波长：300~2500nm）范围内，透过玻璃的紫外光、可见光和近红外光总能量的百分比。
- ☉ 太阳能反射比：在太阳能光谱（波长：300~2500nm）范围内，玻璃表面的紫外光、可见光和近红外光总能量的百分比。
- ☉ 遮阳系数：相同条件下，透过玻璃的太阳辐射能量与通过3mm透明玻璃的太阳辐射能量之比。遮阳系数越小，阻挡阳光直接辐射的性能越好。
- ☉ 相对增热：在ASHRAE夏季标准条件下，通过玻璃的总增热，可用公式表示为： $Q: (31.7-23.9) \times U\text{值} + 630XSc$ 。其中第一项表示室内外存在温差时的传导和对流，第二项表示直接太阳辐射增热。相对增热越低，表明通过玻璃进入室内的热量减少，其公制单位为W/m，英制单位为BTU/Hr·Ft²二者关系为：1BTU/Hr·Ft²=315W/m²。
- ☉ U值：美国ASHRAE标准条件下的传热系数。传热系数的值与测试条件有关，同一种玻璃在不同测试标准条件下，传热系数的值不同。

Visible transmittance: in the visible spectrum (wavelength: 380 ~ 780nm) range, through the glass optical intensity of the Baidu ratio.

Visible reflection ratio: in the visible spectrum (wavelength: 380 ~ 780nm) range, the percentage of light intensity on the glass surface.

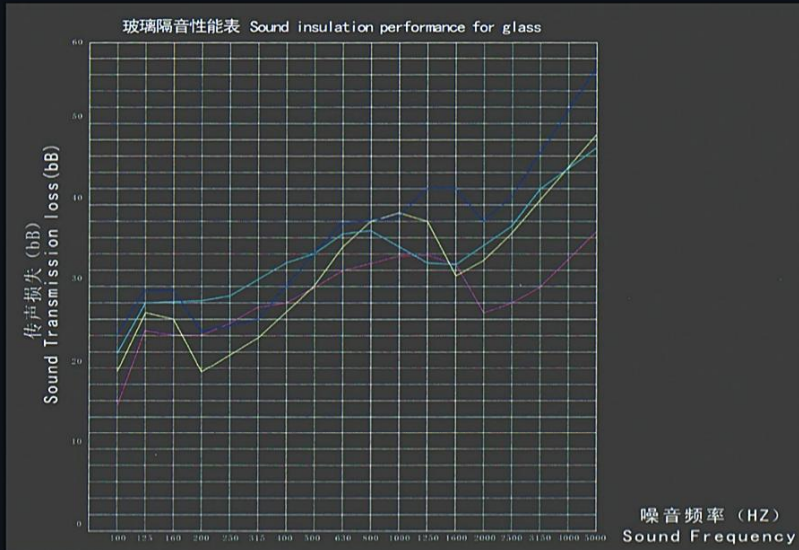
Solar transmittance: in the solar spectrum (wavelength: 300 ~ 2500nm) range, through the glass of the UV, visible and near infrared total energy of the percentage.

Solar reflectance: in the solar spectrum (wavelength: 300 ~ 2500nm) range, the glass surface of the UV, visible and near infrared total energy of the percentage.

Under the same conditions, the solar radiation energy of the glass through the glass and the ratio of the solar radiation energy through the 3mm transparent glass. The smaller the shading coefficient, the better the performance of blocking the direct radiation of the sun.

Relative heat gain: in the ASHRAE standard conditions, the total heat gain through the glass, the formula can be expressed as: $Q: (31.7-23.9) * +630XSc$ value of U. The first represents the conduction and convection in the presence of temperature difference between indoor and outdoor, and the second represents the direct solar radiation heat transfer. Relative heat gain is low, that reduce the heat into the room through the glass, the metric unit is W/m, for BTU/Hr units Ft² two: 1BTU/Hr - Ft²=315W/m².

U value: the heat transfer coefficient under the ASHRAE standard conditions in the United states. The value of heat transfer coefficient is related to the test conditions, and the heat transfer coefficient of the same kind of glass under different test conditions is different.



热反射参数表 THERMAL REFLECTION PARAMETER TABLE

配置 configure	基片 Substrate	颜色 color	可见光visible light			美国ASHRAE (American ASHRAE)				中国GBJ (China GBJ)			欧洲EN (Europe EN)	
			透过率 trans- mission	室外 outside reflex	室内 inside reflex	传热系数 heat transfer coefficient		遮阳系数SC shading coeffic	太阳热能 获得系数 Solar energy obtained coefficient	相对热增益 Relative heat gain	传热系数 U 值 U parameter	遮阳系数 shading coeffic	太阳热能 透射比 total solar trans- mittance	传热系数 U 值 U parameter
						U 值 U parameter								
						冬季晚上 Winter night	夏季白天 Summer night							
6JYSY0165 6JYSY0150 6JYSY0140 6JYSY0130 6JYSY0120	透 明 tran- sparent	灰色 gray	65	17	20	5.72	5.15	0.81	0.70	551	5.27	0.82	0.69	5.73
			50	22	18	5.46	4.87	0.65	0.56	448	5.05	0.64	0.55	5.74
		银灰 silver gray	40	22	10	5.11	4.50	0.52	0.45	365	4.76	0.53	0.44	5.74
			30	28	21	4.97	4.34	0.45	0.38	316	4.64	0.45	0.37	5.74
			21	33	25	5.06	4.44	0.38	0.33	276	4.72	0.38	0.31	5.73
6JYSY0065 6JYSY0050 6JYSY0040 6JYSY0030 6JYSY0020	超白 ultra clear	灰色 gray	66	18	20	5.72	5.15	0.86	0.75	585	5.27	0.88	0.74	5.73
			51	23	18	5.46	4.87	0.68	0.59	469	5.05	0.70	0.59	5.73
		银灰 silver gray	40	23	10	5.11	4.50	0.54	0.46	376	4.76	0.55	0.46	5.73
			30	29	21	4.97	4.34	0.45	0.39	320	4.64	0.46	0.38	5.73
			21	34	25	5.06	4.44	0.38	0.33	275	4.71	0.38	0.32	5.73
6JYSY0265 6JYSY0250 6JYSY0240 6JYSY0230 6JYSY0220	绿色 green		54	14	19	5.73	5.16	0.59	0.51	414	5.28	0.60	0.50	5.74
			42	16	17	5.46	4.87	0.51	0.44	359	5.05	0.51	0.43	5.74
			33	17	10	5.11	4.50	0.44	0.38	313	4.76	0.44	0.36	5.74
			25	21	21	4.97	4.34	0.40	0.34	283	4.64	0.39	0.32	5.74
			17	24	25	5.07	4.45	0.36	0.31	263	4.72	0.35	0.29	5.74
6JYSY0365 6JYSY0350 6JYSY0340 6JYSY0330 6JYSY0320	水晶灰 Crystal gray	灰色 gray	47	12	19	5.73	5.16	0.66	0.57	458	5.28	0.67	0.56	5.74
			37	14	17	5.46	4.87	0.55	0.47	387	5.05	0.55	0.46	5.74
			29	14	10	5.11	4.50	0.46	0.40	328	4.76	0.46	0.38	5.74
			21	17	21	4.97	4.34	0.42	0.35	296	4.64	0.41	0.34	5.74
			15	20	24	5.06	4.45	0.37	0.32	269	4.72	0.36	0.29	5.74
6JYSY2365 6JYSY2350 6JYSY2340 6JYSY2330 6JYSY2320	欧洲灰 European grey	灰色 gray	32	8	18	5.73	5.16	0.61	0.52	422	5.28	0.60	0.50	5.74
			25	9	17	5.46	4.88	0.51	0.44	362	5.05	0.51	0.42	5.74
			10	9	10	5.12	4.50	0.44	0.37	310	4.76	0.43	0.35	5.74
			15	10	20	4.97	4.34	0.40	0.34	283	4.64	0.38	0.31	5.74
			10	11	24	5.07	4.45	0.37	0.31	266	4.72	0.35	0.29	5.74
6JYSY0165+12A+6C 6JYSY0150+12A+6C 6JYSY0140+12A+6C 6JYSY0130+12A+6C 6JYSY0120+12A+6C	透 明 tran- sparent	灰色 gray	59	20	23	2.68	2.82	0.70	0.60	461	2.64	0.76	0.65	0.79
			45	23	21	2.60	2.73	0.54	0.47	362	2.56	0.59	0.50	0.70
		银灰 silver gray	35	23	15	2.48	2.61	0.42	0.36	284	2.46	0.45	0.38	0.58
			27	28	24	2.44	2.56	0.35	0.30	241	2.41	0.38	0.32	0.52
			19	33	27	2.47	2.59	0.29	0.25	200	2.44	0.30	0.25	0.56
6JYSY0065+12A+6C 6JYSY0050+12A+6C 6JYSY0040+12A+6C 6JYSY0030+12A+6C 6JYSY0020+12A+6C	超白 ultra clear	灰色 gray	60	22	23	2.68	2.82	0.76	0.66	499	2.64	0.76	0.65	2.79
			46	25	21	2.60	2.73	0.58	0.50	386	2.56	0.59	0.50	2.70
		银灰 silver gray	36	24	15	2.48	2.61	0.44	0.38	298	2.46	0.45	0.38	2.58
			27	30	24	2.44	2.56	0.37	0.32	251	2.41	0.38	0.32	2.52
			19	35	27	2.47	2.59	0.29	0.25	205	2.44	0.30	0.25	2.56
6JYSY0265+12A+6C 6JYSY0250+12A+6C 6JYSY0240+12A+6C 6JYSY0230+12A+6C 6JYSY0220+12A+6C	绿色 green		49	16	22	2.68	2.82	0.46	0.40	313	2.64	0.48	0.40	2.79
			38	18	21	2.60	2.73	0.38	0.33	262	2.56	0.40	0.33	2.70
			30	17	15	2.49	2.61	0.32	0.27	221	2.46	0.33	0.28	2.58
			23	21	23	2.44	2.56	0.28	0.24	195	2.41	0.29	0.24	2.52
			16	24	27	2.47	2.59	0.24	0.21	173	2.44	0.25	0.20	2.56
6JYSY0365+12A+6C 6JYSY0350+12A+6C 6JYSY0340+12A+6C 6JYSY0330+12A+6C 6JYSY0320+12A+6C	水晶灰 Crystal gray	灰色 gray	43	13	22	2.68	2.82	0.54	0.46	360	2.64	0.54	0.46	2.79
			33	15	21	2.60	2.73	0.43	0.37	292	2.56	0.44	0.37	2.70
			26	15	15	2.49	2.61	0.35	0.30	238	2.46	0.35	0.30	2.58
			19	17	23	2.44	2.56	0.30	0.26	211	2.41	0.31	0.26	2.52
			14	20	27	2.47	2.59	0.26	0.22	182	2.44	0.26	0.21	2.56
6JYSY2365+12A+6C 6JYSY2350+12A+6C 6JYSY2340+12A+6C 6JYSY2330+12A+6C 6JYSY2320+12A+6C	欧洲灰 European grey	灰色 gray	29	8	22	2.68	2.82	0.47	0.40	317	2.64	0.47	0.40	2.79
			13	9	21	2.60	2.73	0.38	0.33	261	2.56	0.38	0.32	2.70
			18	9	15	2.49	2.61	0.31	0.27	216	2.46	0.31	0.26	2.58
			13	10	23	2.44	2.56	0.28	0.24	193	2.41	0.28	0.23	2.52
			9	11	27	2.47	2.59	0.24	0.21	173				

说明以上数据仅供参考，最终产品得参考以粤强提供的参数表为准，以上数据试用美国劳伦斯·伯克利实验的Windows软件计算所得。The above data is for reference only, the final products have to refer to the parameter table provided by Guangdong strong, the data of the trial of the United States Burke Laurence force experiment Windows software calculation.

阳光控制膜热工参数表
SUN CONTROL FILM THERMAL PARAMETER TABLE

玻璃结构 Glass structure	反射 颜色 Re- flection color	可见光 visible light			阳光 sunlight		U值 U parameter				遮阳系数 shading coeffic		得热 系数 heat coe- fficient	相对 热增益 relative heat gain
		透过 through	反射 reflex		透过 through	反射 reflex	冬天 winter		夏天 summer		NFRC	JGJ	NFRC	JGJ
			室外 outside	室内 inside			NFRC	JGJ	NFRC	JGJ				
XTY120	银灰 silver gray	21	33	25	18	25	5.06	4.72	4.44	4.58	0.38	0.36	0.33	276
6XTY130	银灰 silver gray	30	28	21	25	23	4.97	4.64	4.34	4.48	0.45	0.43	0.38	316
6XTY140	灰色 gray	40	22	10	31	17	5.11	4.76	4.50	4.64	0.52	0.51	0.45	365
6XTY150	灰色 gray	50	22	18	45	15	5.46	5.05	4.87	5.02	0.65	0.64	0.56	448
6XTY165	灰色 gray	65	17	20	63	11	5.72	5.27	5.15	5.30	0.81	0.80	0.70	551
6XTY220	绿色 green	17	24	25	10	12	5.07	4.72	4.45	4.58	0.36	0.33	0.31	263
6XTY230	绿色 green	25	21	21	14	11	4.97	4.64	4.34	4.48	0.40	0.37	0.34	283
6XTY240	绿色 green	33	17	10	18	9	5.11	4.76	4.50	4.64	0.44	0.42	0.38	313
6XTY250	绿色 green	42	16	17	24	9	5.46	5.05	4.87	5.02	0.51	0.49	0.44	359
6XTY265	绿色 green	54	14	19	33	7	5.73	5.72	5.16	5.80	0.59	0.58	0.51	414
6XTY2320	灰色 gray	10	11	24	10	10	5.07	4.72	4.45	4.59	0.37	0.33	0.31	266
6XTY2330	灰色 gray	15	10	20	18	9	4.97	4.64	4.34	4.48	0.40	0.36	0.34	283
6XTY2340	灰色 gray	42	9	10	17	8	5.12	4.76	4.50	4.64	0.44	0.41	0.37	310
6XTY2350	灰色 gray	25	9	17	24	7	5.46	5.05	4.88	5.02	0.51	0.48	0.44	362
6XTY2360	灰色 gray	32	18	18	34	6	5.73	5.28	5.16	5.31	0.61	0.58	0.53	422
中空结构 Hollow struct														
6XTY165+12A+6C	银灰 silver gray	59	20	23	51	14	2.68	2.64	2.82	2.88	0.70	0.69	0.60	461
6XTY150+12A+6C	银灰 silver gray	45	23	21	39	16	2.60	2.56	2.73	2.80	0.54	0.54	0.47	365
6XTY140+12A+6C	灰色 gray	35	23	15	26	17	2.48	2.46	2.61	2.67	0.42	0.42	0.36	284
6XTY130+12A+6C	灰色 gray	27	28	24	21	23	2.44	2.41	2.56	2.62	0.35	0.35	0.30	241
6XTY120+12A+6C	灰色 gray	19	33	27	15	26	2.47	2.44	2.59	2.65	0.29	0.28	0.25	200
6XTY265+12A+6C	绿色 green	49	16	22	28	8	2.68	2.64	2.82	2.88	0.46	0.46	0.40	313
6XTY250+12A+6C	绿色 green	38	18	21	21	9	2.60	2.56	2.73	2.80	0.33	0.38	0.33	262
6XTY240+12A+6C	绿色 green	30	17	15	15	9	2.48	2.46	2.61	2.67	0.32	0.32	0.27	221
6XTY230+12A+6C	绿色 green	23	21	23	12	11	2.44	2.41	2.56	2.62	0.28	0.28	0.24	195
6XTY220+12A+6C	绿色 green	16	24	27	8	12	2.47	2.44	2.59	2.65	0.24	0.23	0.21	173
6XTY2365+12A+6C	灰色 gray	29	8	22	28	7	2.68	2.64	2.82	2.88	0.47	0.46	0.40	317
6XTY2350+12A+6C	灰色 gray	23	9	21	20	9	2.60	2.56	2.73	2.80	0.38	0.37	0.33	261
6XTY2340+12A+6C	灰色 gray	17	9	15	14	11	2.49	2.46	2.61	2.67	0.31	0.30	0.27	216
6XTY2330+12A+6C	灰色 gray	13	10	23	11	12	2.44	2.41	2.56	2.62	0.28	0.27	0.24	193
6XTY2320+12A+6C	灰色 gray	8	11	27	8	10	2.47	2.44	2.59	2.65	0.24	0.23	0.21	173

说明:阳光控制膜热工参数, 版本号V11.5. NFRC为根据美国标准计算, JGJ为根据中国标准计算
Explanation: the sun control film thermal parameters, version number V11.5. NFRC is calculated according to American Standard, JGJ is calculated according to Chinese standard

隔音值参数表
NOISE VALUE PARAMETER TABLE

		隔音值 (分贝) Sound insulation value (DB)																			
玻璃结构 Glass structure	玻璃厚度 (mm) Glass thickness (mm)	噪音频率 (赫兹) Noise frequency (Hz)																			传声等 STG Sound STG
		100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	500		
单片玻璃 Monolithic glass	3	19	17	18	21	23	22	24	27	28	30	30	32	34	35	36	33	26	30	30	
	6	23	25	25	24	28	26	29	31	33	34	34	35	34	30	27	32	37	31	31	
	10	26	27	27	30	32	31	34	35	36	35	33	30	30	35	38	41	46	48	34	
	12	26	30	26	30	33	33	34	36	37	35	32	32	36	40	43	46	50	51	36	
	3+0.38+3	27	23	27	24	27	28	29	31	33	35	35	35	33	31	32	37	41	45	33	
	3+0.76+3	25	26	28	27	29	29	30	32	34	35	35	36	36	35	35	38	43	46	35	
夹层玻璃 Laminated glass	5+0.38+5	27	25	26	30	31	31	33	35	35	35	35	33	33	37	41	44	48	51	36	
	5+0.76+5	27	27	27	30	31	31	33	34	35	36	36	35	34	37	41	45	49	52	36	
	6+0.38+6	25	25	27	30	32	32	34	35	33	35	33	32	35	40	43	46	49	51	36	
	6+0.76+6	25	29	28	30	33	33	34	36	37	37	37	36	37	41	45	48	51	53	38	
	6+1.52+6	26	29	28	30	33	33	35	36	37	38	38	37	38	41	44	47	51	54	39	
	10+0.76+6	29	30	28	32	34	35	36	38	38	38	36	38	42	46	49	52	55	57	40	
	12+1.52+12	29	32	29	32	34	35	36	39	38	37	37	41	44	47	50	53	56	57	41	
	3+6A+3	26	21	23	23	26	21	19	24	27	30	33	36	40	44	46	39	54	45	28	
	3+9A+3	26	23	23	20	23	19	23	27	29	32	35	39	44	47	48	41	36	43	31	
	6+12A+6	27	24	29	22	22	25	30	33	35	38	40	42	42	37	37	43	46	49	35	
中空玻璃 Hollow glass	6+25A+6	22	19	27	23	31	30	35	35	36	39	41	42	41	36	37	46	51	56	37	
	6+12A+8	28	29	33	29	29	32	36	37	40	43	42	43	42	37	40	44	48	53	40	
	8+12A+8	26	24	24	31	24	32	32	35	37	39	39	38	36	38	42	44	46	49	37	
	3+0.76+3+9A+5	27	27	26	24	32	28	32	35	38	38	39	40	42	43	41	45	52	57	37	
	3+0.76+3+25A+5	22	27	27	28	31	35	38	41	42	43	44	45	47	47	45	50	58	61	42	
	3+0.76+3+50A+5	24	25	34	33	34	40	41	44	44	46	47	47	48	48	46	50	55	56	45	
夹层中空 玻璃 Laminated insulating glass	3+0.76+3+12A+6	28	20	29	24	26	30	34	36	39	42	43	44	44	41	40	47	52	56	39	
	5+0.76+5+12A+6	32	27	29	28	31	35	37	39	41	42	43	44	43	42	45	50	53	54	41	
	6+0.76+6+12A+6	31	29	32	30	32	35	38	40	40	42	44	46	47	46	47	52	56	61	43	
	6+1.52+6+19A+6	28	29	36	32	34	39	41	41	41	43	44	45	45	46	47	52	56	61	44	
	6+1.52+6+19A+10	25	31	38	33	37	39	42	43	43	42	40	40	41	56	50	55	58	61	43	
	3+0.76+3+12A+3+0.76+3	27	21	29	28	30	34	36	40	42	44	44	44	45	43	47	52	57	58	42	
双夹层中 空玻璃 Double laminated hollow glass	6+0.76+6+12A+5+1.52+5	32	25	29	31	33	35	37	38	39	39	40	41	42	47	43	44	45	46	41	
	6+1.52+6+19A+5+0.76+5	21	23	31	35	37	40	42	42	43	42	42	42	44	48	51	55	57	59	44	

参数说明:
STC: 传声损失等级 (Sound transmission class), 将传声损失频率特性与标准曲线按一定方法进行比较而读得之数。
Rw计权隔声量 (Sound reduction index), 将隔声频率特性与标准曲线按一定方法进行比较而读得之数。
Parameter description:
STC: transmission loss level (Sound transmission class), the loss frequency and the standard curve of transmission according to a certain method to compare and read the number.
Rw weight loss (reduction index Sound), the frequency characteristics of the sound insulation and the standard curve in a certain way to compare the number of read.

企业参与工程案例
Enterprise participation in
engineering cases



(1)



(3)



(4)



(2)



(5)

- (1) 合肥金融港
Hefei financial harbour
- (2) 芜湖金融服务区
Wuhu financial services area
- (3) 芜湖滨江公园商办写字楼
Wuhu riverside park office building
- (4) 芜湖伟星金融时代中心
Wuhu Weixing Financial Times Center
- (5) 芜湖中央城大酒店
Wuhu Central City River Hotel



中国唯一建设在海岛上的歌剧院——珠海歌剧院
金义公司是此项目的安全节能玻璃唯一指定供应商

China's only Opera House on the island - Zhuhai Opera House
Jin Yi company is the only designated supplier of safety and energy saving glass for this project



中国广东珠海大剧院配套的旅游商业体项目，珠海文化旅游新地标——城建海韵城
Business tourism projects of Guangdong Grand Theatre in Zhuhai city China supporting the
Zhuhai cultural tourism landmark - Hi City

金义公司是此配套项目的安全节能玻璃唯一指定供应商
Jin Yi company is the only designated supplier of safety and energy saving glass for this project



广东省江门市高新区火炬大厦
Torch building of high tech zone,
Jiangmen City, Guangdong Province



Singapore Coach Projects
Low-iron tempered silk-screen Glass



联盛商业广场
Liansheng Commercial Plaza



中国安徽省
芜湖市摩根100
Morgan 100,
Wuhu City,
Anhui Province,
China



芜湖市
伟星金融时代中心
Wuhu City,
Weixing Financial
Times Center



河南省郑州市升龙广场
Henan province, Zhengzhou City,
Shenglong square



上海国金中心商场
Shanghai national gold center mall

江门万达广场
Wanda Plaza,
Jiangmen City, Guangdong Province



上海世和中心
ShiHe center of Shanghai



杭州大剧院
Grand Theater,
Hangzhou City, Zhejiang Province



上海莲花国际广场
Shanghai Lotus
International Plaza

