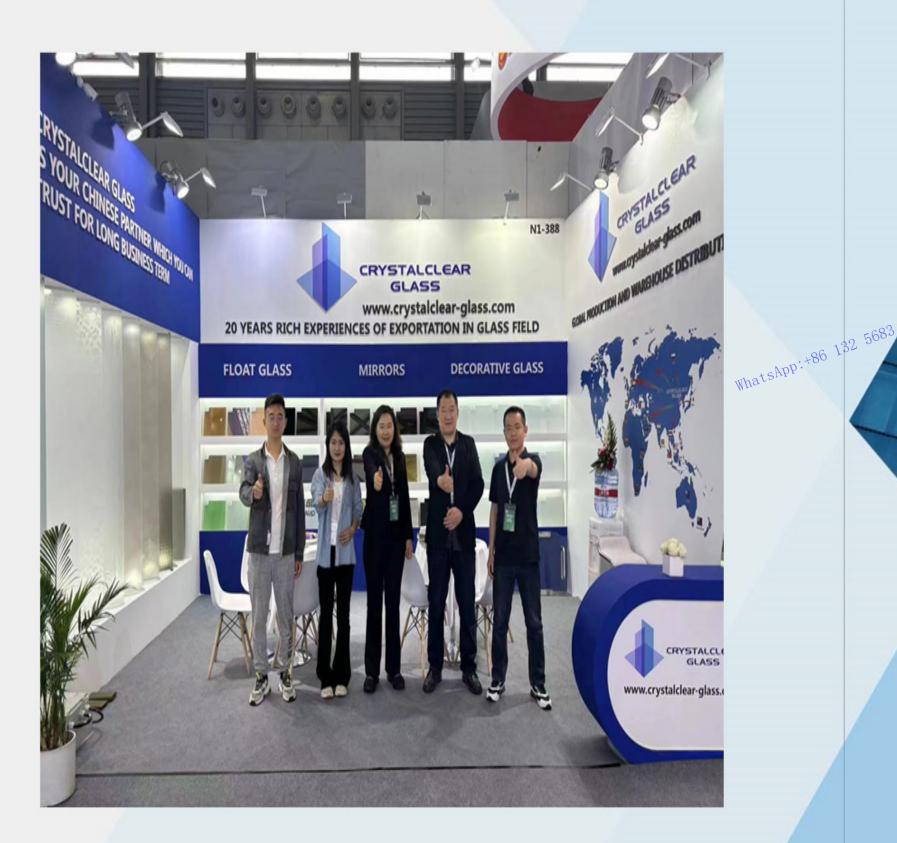
20 Years Rich Experiences Of Exportation In Glass Field

China professional

### Glass Manufacturer and supplier



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CRYSTAL CLEAR GLASS www.crystalclear-glass.com

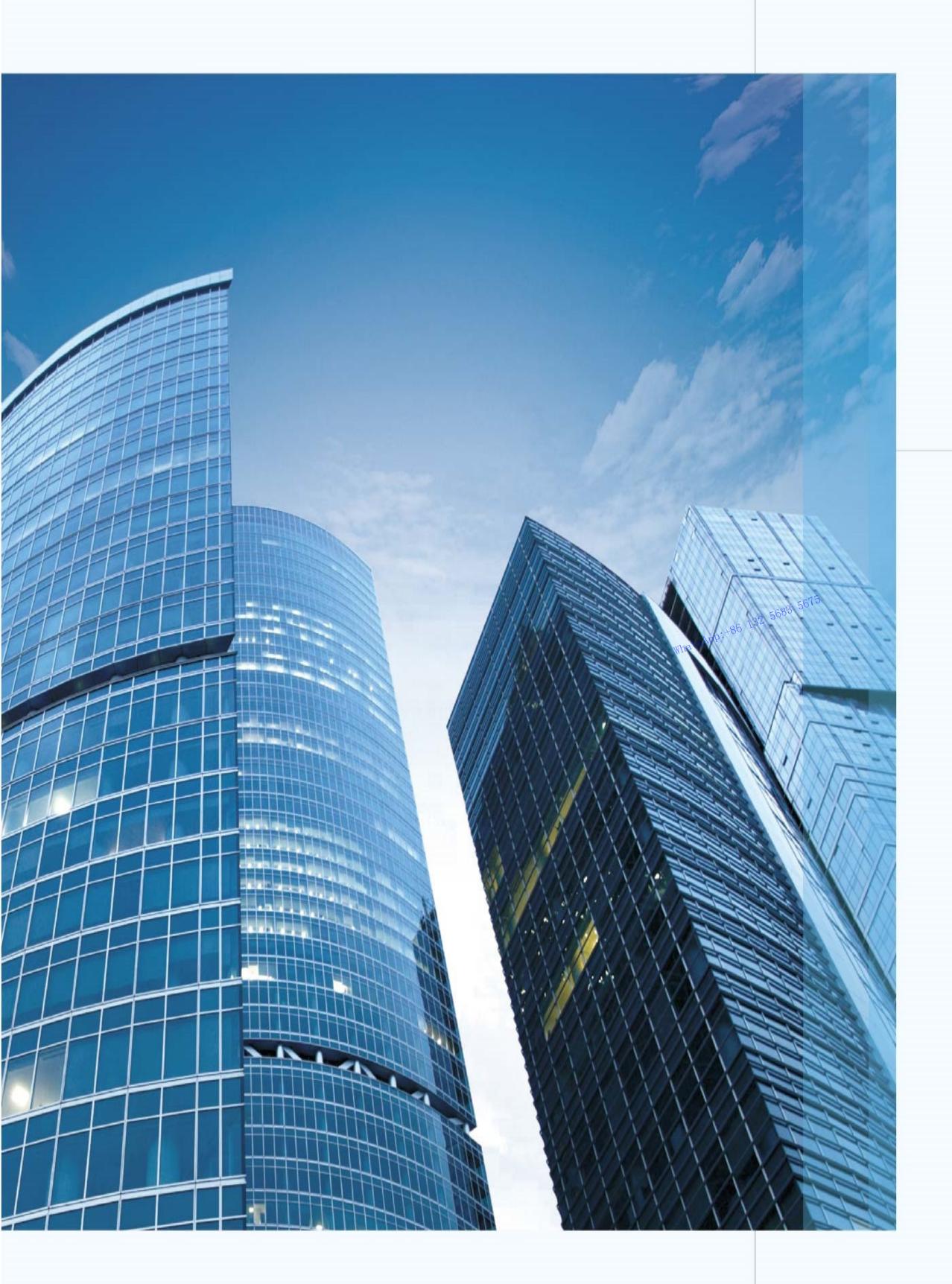
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World · China

## **BRIEF**INTRODUCTION

CrystalClear is specialized in manufacture and supply various kinds of glass and mirror in China we are mainly dedicated to exportation of glass throughout the world for more than 20 years.

We have been currently supplying Clear float glass, Reflective float glass, Laminated float glass, Tempered glass, Pattern glass, Mirror, and other processing glass which packed in seaworthy strong wooden crates. Our high efficiency work team always do our best to keep prices low, quality high, safety delivery with our effective experience of glass export, and also after-sale service necessary to meet our customer's requirements promptly and efficiently. Please feel free to contact with us for more detail information if you are interested in our products!

CrystalClear team welcome discerning customers to join us for long-term business coorperation on the mutual benefit!

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Kevin fa Manager



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CLEAR FLOAT GLASS

**Clear float glass** is made of molten glass which flows through tweet to tin bath and then to lehr. While floating through the molten tin, the glass under the works of gravity and surface tension becomes smooth and float at both sides.

#### Benefits:

- Smooth and flat surface, and good vision
- Flexible size specification to minimize cutting loss
- Substrate for each level of glass processing

#### Applications:

- Architecture
- Mirror
- Furniture and decoration
- Optical instrument
- Automobile

Specification					
Thickness	Tolerance	Weight		Regular Size	
mm	mm	kg/ft <sup>2</sup>	kg/m²	in.	mm
2	1.8~2.2	0.46	4.89	60x84	1524x2134
3	2.8~3.2	0.68	7.34	60x84	1524x2134
4	3.8~4.2	0.91	9.79	130x84	3300x2140
5	4.8~5.2	1.14	12.32	130x84	3300x2140
6	5.8~6.2	1.36	14.69	130x84	3300x2140
8	7.7~8.3	1.86	19.57	130x84	3300x2140
10	9.7~10.3	2.27	24.47	130x84	3300x2140
12	11.6~12.4	2.73	29.33	130x84	3300x2140
15	14.5~15.5	3.41	36.7	130x84	3300x2140
19	18.5~19.5	4.32	46.48	130x84	3300x2140

# Ultra Clear Float Glass

CRYSTALCLEAR

#### ULTRA CLEAR FLOAT GLASS

**Ultra clear float glass** is low iron glass with high light transmittance. It is high grade, multifunctional new glass. And generally its light transmittance is higher than 91%. It is crystal clear and is crowned as "crystal prince" of glass family.

Ultra clear glass has super physical, mechanical and optical characteristics. Like regular glass it can be fabricated, e.g. being tempered, coated, silk printed, heat bended, laminated, and being made into double glazing units.

With it's crystal clear appearance, ultra clear glass has become a highlight in world architectural industry. It not only brings benefit on energy saving and environment protection, but also has modern fashionable style, and can arouse designers creation and inspiration.

5683 5675

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#### PRODUCT SPECIFICATIONS / FEATURES

#### Feature:

Ultra Clear Glass can be processed like float glass, such as tempered, bent, laminated, due to its high transmittance, it is good used for silk screen printing and laminating.

Thickness: 2mm, 3mm, 3.2mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm

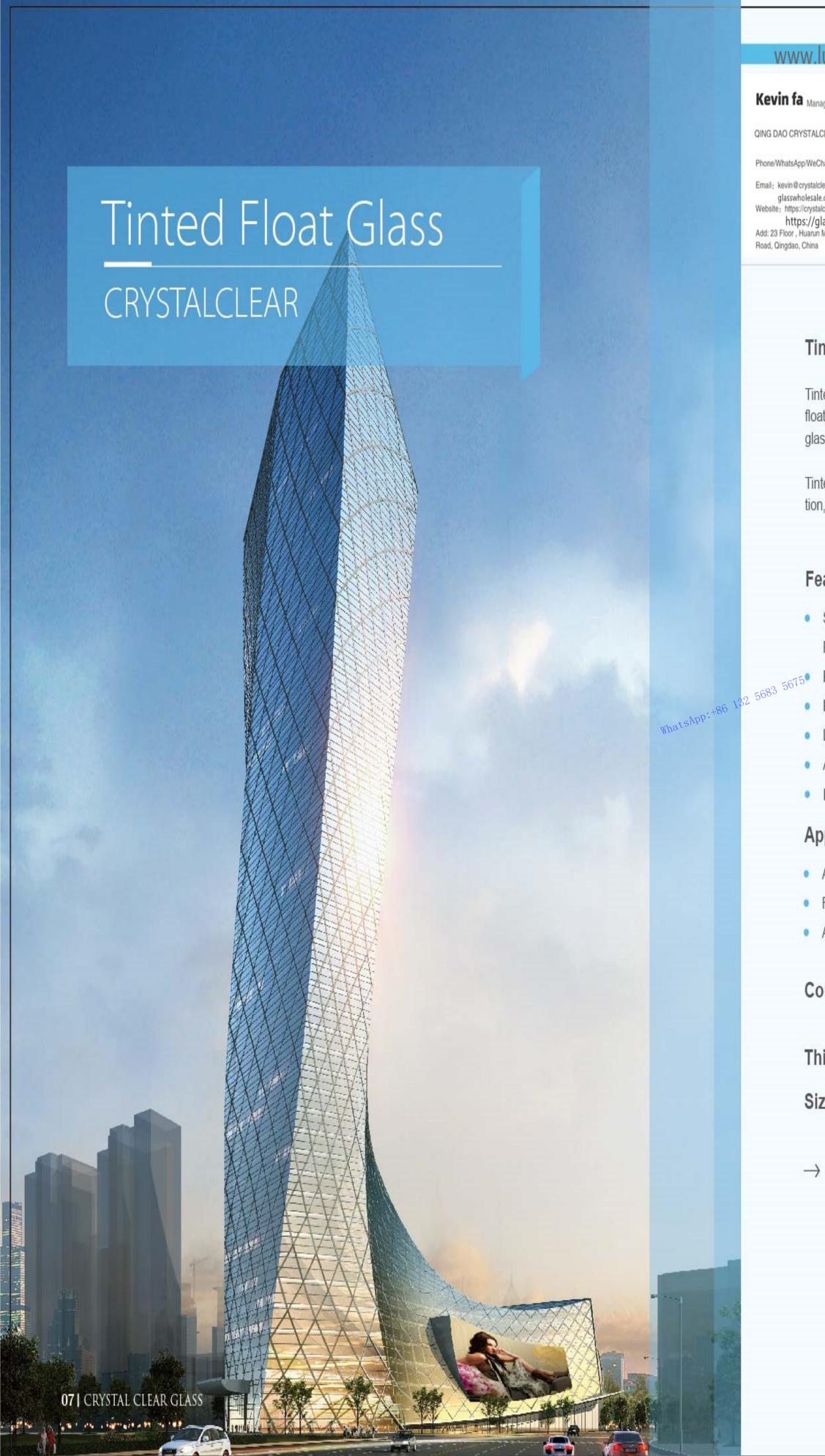
Max size: 12000 x 3300mm

#### **Competitive Advantages:**

- Well and High Quality Control
- Prompt Delivery
- Competitive Prices
- In a Variety of Design

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Kevin fa Manager



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Tinted float glass is made using the 'float' process: the sides of the glass are perfectly flat and parallel.

Tinted float glass is colored transparent glass in which elements of Cobalt, Iron and Selenium has been added to the ordinary float glass composition to provide properties of light absorption. it offers for more protection from solar heat than ordinary glass, blocks the light from outside and reduces harmful ultraviolet ray penetration.

Tinted Float Glass benchmark that can be processed in all ways for use in numerous sectors including construction, decoration, automotive and industries.

#### Features:

- Solar control reduction of the suns direct heat energy through the glass; Permanent color ,Also called a body tinted glass as the tint is an integral part of the glass. The color cannot be removed; Reducing cooling energy costs;
- Reducing glare;
- Low external reflectance;
- Adding value to property;
- Improving privacy during daytime.

#### Applications:

- Architecture
- Furniture and decoration
- Automotive glass

Colors: Euro Bronze, Golden Bronze, Euro Grey, Dark Gray, French Green, Dark Green, Ocean Blue, Ford Blue, Dark Blue, Pink etc.

Thickness: 3mm, 4mm, 5mm, 5.5mm, 6mm, 8mm, 10mm

Sizes: 1524x2134mm, 1830x2440mm, 2140x3210mm, 2134x3300mm, 2250x3210, 2250x3300mm maximum 3660x8000mm



#### REFLECTIVE FLOAT GLASS

Reflective float glass is produced with international advanced on line reflective glass technology, on the principle of CVD technology, in tin bath of float glass production line, under the conditions of stable temperature, special environment atmosphere and clean glass surface, reaction gas is fully pyrolysed on the glass surface, continuous even deposit forms ply crystal silicon film, high quality reflective glass with performance of evenness, fastness, excellent optical performance and chemical erode resistant performance. CRYSTALCLEAR On-line reflective glass has appearance of brightness and gentleness. It has the characteristics of high transmission ratio and high reflectance. It has functions of light adopting. energy saving, decoration and environment protection etc. it is the ideal choice for modern buildings.

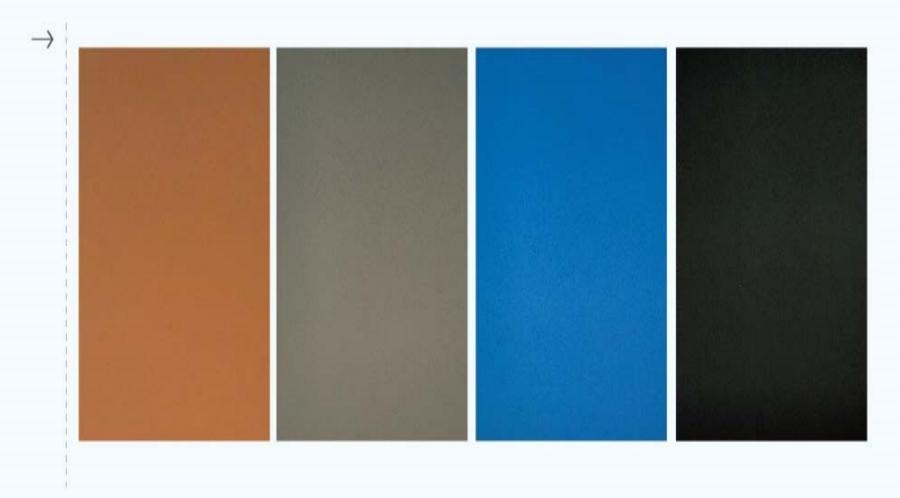
#### Benefits:

- High energy saving
- Filters glittering sunlight
- Adding aesthetic senses to building appearance
- Mirror effect

Colors: Euro Bronze, Golden Bronze, Euro Grey, Dark Gray, French Green, Dark Green, Ocean Blue, Ford Blue, Dark Blue, Pink etc.

Thickness: 3mm, 4mm, 5mm, 5.5mm, 6mm, 8mm, 10mm

Sizes: 1524x2134mm, 1830x2440mm, 2140x3210mm, 2134x3300mm, 2250x3210, 2250x3300mm maximum 3660x8000mm



#### LAMINATED GLASS

**Laminated glass** regard as "Safety glass", consist of two or more panes of glass with one or more layers of polyvinyl butyral (PVB) sandwiched between them and treated. The glass panes can be basic float glass or tempered or heat strengthened panel. If the glass is broken fragments tend to adhere to the PVB interlayer thereby reducing the risk of injury from falling glass and helping to resist further impact or weather damage. PVB membrane has good tenacity performance and when the laminated glass breaks due to violent force, the PVB will absorb large amount of impact energy and disperse it rapidly. Therefore, it hard to break the laminated glass and the shape of the glass may be maintained even if being broken. Furthermore, personnel inside and outside the buildings will not be hurt by the glass fragment.

#### Features:

Laminated glass provides durability, high-performance and multi-functional benefits and at the same time preserves the aes
\*\*Thetic appearance of glass. Laminated glass provides a solution to many architectural design problems and offers increased protection from the effects of disasters such as hurricane, earth quake and bomb blasts, if suitably designed

#### Applications:

Laminated glass is widely used in manufacturing and automotive industries and in a variety of commercial and residential applications because of its safety, security, sound abatement and solar control characteristics.

In glass skylights, sunspaces, sloped glazing installations and curtain walls, there is always the possibility of glass breakage.

This is why many building codes worldwide use laminated glass for overhead glazing.

It is used in schools, hospitals, hotels and office buildings, and wherever there are sound control requirements.

#### Color:

CLEAR MILKY BLUE GREEN F GREEN BRONZE, GREY

#### Thickness:

6.38mm , 8.38mm, 10.38mm, 12.38mm 6.76mm , 8.76mm, 10.76mm, 12.76mm

8.28mm 10.28mm

#### Size:

1500x2000mm 1650x2140mm 1650x2200mm 1830x2440mm 3300x2140mm 3210x2250mm 3660x2440mm











**Tempered glass** is made using special heated furnaces, which heat the annealed glass to a uniform temperature of approximately 700°C. When the glass exits the furnace, it is rapidly cooled. This rapid cooling puts the glass surface into a state of compression while the centre core remains in tension.

When tempered glass is broken, all the stored energy is released at once and the glass breaks into small pieces.

#### Characteristics:

Tempered glass is four to five times stronger than annealed glass of the same size and thickness against impact. Tempered glass has higher thermal strength, and it can withstand high temperature changes up to 250° C. Tempered glass is considered as safety glass. It is difficult to break and even in the event of a breakage, disintegrates into small relatively harmless globules. Tempering does not alter the basic characteristics of glass such as light transmission and solar radiant heat properties of normal glass. The glass surface after heat treatment has the same resistance to surface damage as annealed glass. Tempered glass cannot be cut or altered.

#### Application:

Tempered glass is specifically designed for use in areas where there is a high risk of contact and breakage. It is not harder or softer than annealed glass but is tougher. Tempering does not make glass more porous nor is tempered glass more prone to scratches than normal glass. Tempered glass offers a wide variety of uses in industries including building, manufacturing, automotive, to name a few.

There is a wide scope for the use of tempered glass in the building industry. It can be used to raise the elemental beauty of exteriors and interiors by using it on facades, showroom shelves, dividers, shower cabins, doors and the like. High resistance to thermal stress and small missile impact makes tempered glass an ideal choice for sloped glazing. The manufacturing industry uses tempered glass in ovens, refrigerators, fireplace screens, and shelves. In the motor vehicle industry, tempered glass is commonly used inside and rear windows.







# Aluminium Mirror CRYSTALCLEAR CRYSTAL CLEAR GLASS

#### ALUMINIUM MIRROR

ALUMINUM MIRROR is a kind of functional glass mirror, which is produced through triple processing work by cleaning, aluminum deposition, and two layers of waterproof paints on the surface of high quality float glass.

#### **Product Features:**

- Double Paints
- Float Glass come from JINJING, Taiwan Glass/Saint-Gobain
- High quality Mirror Glass

Thickness: 2mm,3mm,4mm, 5mm,6mm

Max.Size: 2440mmX3660mm

#### Regular Size:

2mm:1600x2200; 1500x2000; 1220x1830

3mm :1830x2440; 1830x2134; 1524x2134; 2134x3050; 2134x3300 4mm :1830x2440; 1605x2550; 1524x2134; 2134x3050; 2134x3300 5mm :1830x2440; 2134x3050; 2134x3300; 2134x3660; 2440x3660 6mm : 1830x2440; 2134x3050; 2134x3300; 2134x3660; 2440x3660

Paint color: Grey, Green ,White, Red, etc.

Usage: bathroom mirror, furniture mirror, decorative mirror, building mirror, wall mirror, closet mirror, car mirror, dance mirror,etc. Can be used in wet and hot environment.

Remark: Back can be printed code Back can be pasted film (PE film/woven fabric film)







#### SILVER MIRROR

**Silver mirror** is a kind of functional glass, which is produced through a multiple processing work by cleaning, sensitized, silver coated, copper coated and two-times waterproof paints coated on the surface of quality float glass. Silver Mirror could supply clear and exact images. It is widely applied in various industries, like furniture, crafts, decoration, optical, auto rearview, etc.

Material: High quality Clear Float glass & tinted float glass

Product Method: Vacuum coating glass

Thickness: 2mm, 3mm, 4mm, 4.8mm,5mm,6mm,8mm

Color: clear, dark bronze, Euro bronze, dark blue, ,Ford blue, dark green ,F green, dark grey ,Euro grey, pink, etc

Max. dimension: 2134mm\*3660mm

**Standard Size:** 914\*1220;1220\*1830;1500\*2000;1600\*2200;1220\*2134;1830\*2440;1605\*2550;1605\*2750;1524\*2134;

2134\*3050;2134\*3300;2134\*3660

Bevel width(option):5mm-30mm

Safety mirror(option): CAT-I,CAT-II ,with white color

Back paint color: red, gray, green, white, etc.

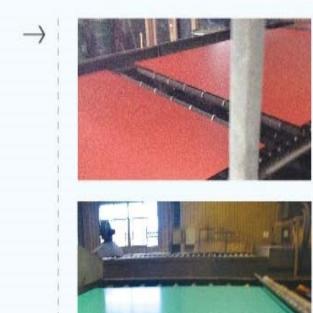
Back paint: Two layers of Italy FENZI paints, perfect resistance to corrosion, enduring longer.

Package: Seaworthy crate with metal strip

**Usage range:** bathroom mirror (bevelled mirror also), furniture mirror, decorative mirror, building mirror wall mirror, closet mirror, car mirror, dance mirror, etc.

#### Remark:

- Sizes can be cut according to your request.
- Back with printing code available

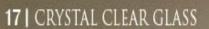












Silver

CRYSTALCLEAR





# Pattern Glass CRYSTALCLEAR

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#### PATTERN GLASS

Patterned glass is made with a rolled glass process. All rolled patterned glass begins as a batch of materials, including silica sand, soda, and lime. These materials are melted together in a tank, and then the molten glass mixture is fed onto a machine slab. The glass flows under a refractory gate which controls glass volume and speed then moves between two counter-rotating, water-cooled rollers. One of these rollers is embossed, imprinting a distinct pattern onto the soft surface of the glass while the other roller is smooth.

The result is a piece of glass that is patterned and textured on one side, while smooth on the reverse. The distance between the two rollers determines the ultimate thickness of the glass. After it moves between the rollers, patterned glass is annealed or cooled slowly in order to remove any residual stresses. Rolled patterned glass can then be cut into standard sizes or cut into customized sizes for a specific customer application. The glass is then inventoried and ready for delivery.

#### Applications:

Pattern glass are used in commercial, residential, and specialty applications. End uses include shower doors and tub enclosures including frameless shower doors interior partitions, translucent door and window treatments, foyers and vestibules, patio furniture, shelving, decorative furniture, and lighting fixtures. Comprehensive range of soft natural colours compliments and harmonizes with modern building materials to provide an exciting and different look to new and existing buildings. Pattern glasses are available in large amount of patterns. Patterned glass is most often found in bathroom windows.

Patterned glass is applied to all kinds of public and private places, such as office, meeting room, hotel, hospital, bath room, washroom, etc. It is also widely used as glass table, glass shaft and lampshade and so on. Mainly used in interior partitions, interior design, decorations, street furniture etc.

Color	Designs	
Clear	Mistlite Nashiji Diamond Crystal	
Bronze	Morgon II Bamboo	
Grey	Showerlite Rain	
Blue	Karatachi (Puzzle) Wood Chinchilla	
Green	Millenium Masterlite Mayflower	
Yellow (Amber)	ow (Amber) Nashiji wired Kasumi	

#### PATTERN GLASS

#### PATTERN GLASS



Thickness	Regular Sizes
2.5mm	1524x1220mm
2.511111	1830x1220mm
	1830x1220mm
3.0mm	2134x1524mm
	2134x1676mm
3.5mm	2000x1500mm
5.0HH	1524x2134mm
	1650x2134mm
4mm	1830x2134mm
	1830x2440mm
	1830x2134mm
5mm	1830x2440mm
	2000x2440mm
FF	1830x2134mm
5.5mm	2000x2440mm
	1830x2134mm
6mm	1830x2440mm
	1860x2520mm
	1830x2134mm
8mm	1830x2440mm
	1860x2520mm
	1830x2134mm
10mm	1830x2440mm
	1860x2520mm
Max size	2134 x 4500mm
Special sizes	Can be produced as customer's requirements







Crystalclear glass block provides family security, natural light with privacy and energy savings. It reduces outside noise and gives your project the timeless beauty of sparkling glass. Whether you're building a new home, adding an addition, remodeling a bathroom or replacing windows, glass block should be part of your project, you will be impressed with the modern and innovative range of glass block designs to choose from.

#### SPECIFICATION:

190x190x80mm 190x190x95mm

145\*145\*95mm 145x145x80mm

240x240x80mm 240x115x80mm

190x90x80mm

197x146x98mm





#### ANTI-REFLECTIVE COATING SOLAR GLASS

#### **Product Advantages:**

Solar Glass

CRYSTALCLEAR

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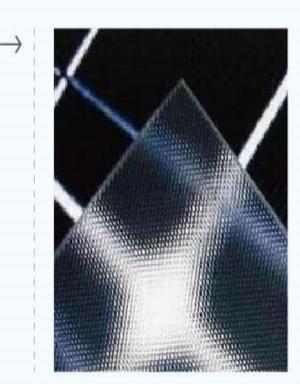
- Low-iron lontent which enhances the transmittance and maximizes the conversion efficiency of solar modules
- Treated by nano-technology, antireflective coating improves the transmittance by 2.4% comparing with untreated glass
- Patterned glass suface treatment increases diffuse reflection and reduces specular reflection, which helps minimize environmental light pollution.
- High temperature processing makes the coating more durable with better adhesion to the glass
- Chemically-resistant, the coating can withstand a wide range of ph in harsh outdoor environments
- Self-cleaning coating decomposes organic pollutants on the glass surface and reduce maintenance time
- Antireflection coating has minimal amount of light absorption

Thickness: 3mm - 10mm

Regular thickness: 3.2mm 4mm

Max size: 1200x2100mm

Package: Wooden crates, Plywood crates, Foil packing.











#### LOADING & PACKAGE







