

25 years guarantee

Production line from **LiSEC**



## ZRG PROFILE

	ZRG glass was established Apr 2000	
Luocun ZRG glass started production Mar 2003		Start production of doors windows sanitary glass Nov 2007
Delivered first batch of Low-E hollow products Jun 2008		Shishan ZRG glass started production May 2013
The annual capacity exceeded 1,000,000 sqm Dec 2015		Passed British, American Australian standards & CE certification Apr 2017
Hainan ZRG started production Aug 2017		Zhaoqin ZRG started production Dec 2020
		

ZRG Group is a large-scale modern enterprise focusing on deep processing of glass. Founded in 2000, the group owns four glass deep processing factories, covering a total area of over 100,000 square meters. We have introduced a series of advanced equipment such as fully automatic cutting machines, flat and bent toughened glass production lines, laminated glass production lines, and fully automatic hollow glass production lines from Italy, Austria, and other places, as well as an ERP management system. Our main products include: flat and bent toughened glass, laminated glass, energy-saving LO-E environmental friendly hollow glass, 4SG hollow glass, BIPV power generation glass, PDLC smart glass, fire-resistant glass, color glaze screen printing glass, etc. Our products cover fields such as engineering construction, home decoration, door and window sanitary ware, and are certified by China's mandatory safety product 3C certification and European CE certification. Our products are exported to Southeast Asia, Australia, Europe, and the United States, and have received good evaluations and recognition from customers at home and abroad.

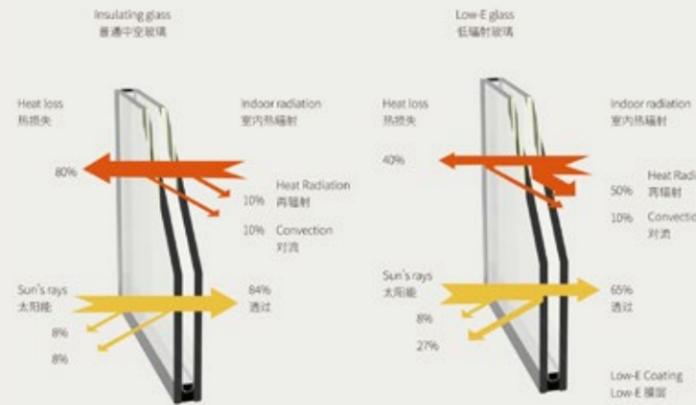
### Product Certificate

3C		Australian standard	
			
CE		ISO 9001	UKCA
			



## Insulated Glass

Insulated glass is composed of two or more layers of glass separated by an aluminum frame filled with an efficient molecular sieve adsorbent to create a certain width of space. The edges are then bonded together using high-strength sealant. To ensure the performance of the insulated glass, a double-sealed structure is essential. The first seal uses hot-melt butyl rubber, and the customer can choose whether the second sealant should be polysulfide or silicone structural adhesive, depending on the installation requirements.

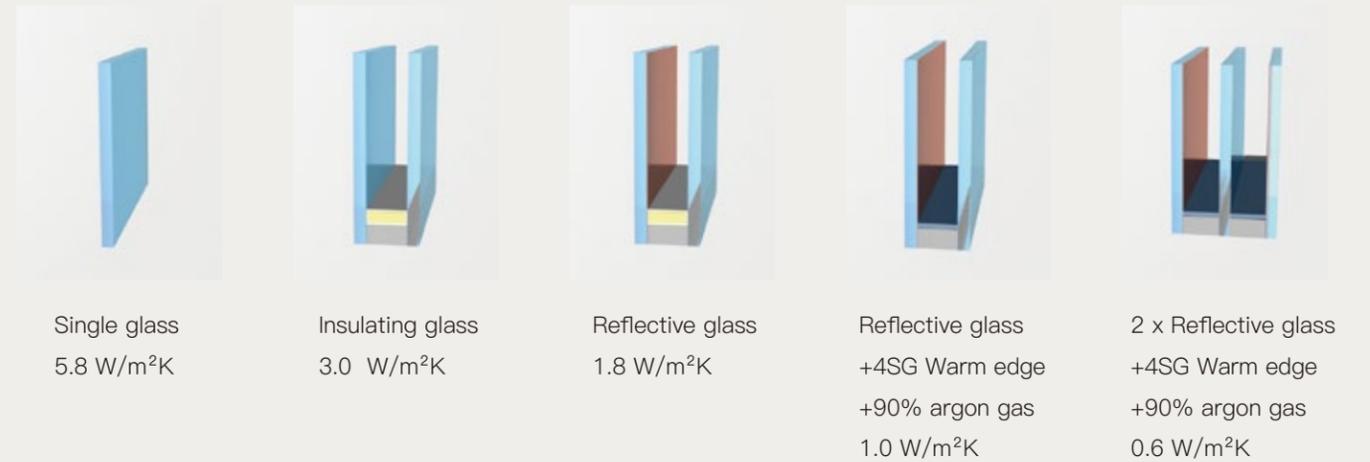


## 4SG Glass

4SG is a super seal spacer introduced by German company Ködispace in 2005, which is used to produce high-performance insulated glass. It enhances strength and seal by integrating desiccant and stronger adhesive materials. Only glass produced with this material can be called 4SG glass.



## How to reduce U-value?



## Characteristic

1. Up to 43% energy saving effect
2. Low-E glass can significantly reduce the costs of heating and air conditioning, and it can block and reflect sunlight and heat energy,
3. Preventing damage to indoor decorations from ultraviolet rays, and maintaining a comfortable environment.



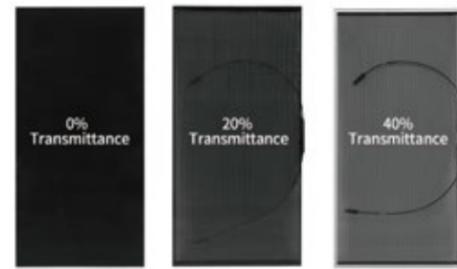
## Characteristic

1. Long-term sealing ensures glass performance.
2. Flexible edge sealing, chemical bonding (can be used in the environment of -40-90°C for a long time)
3. Higher energy efficiency reducing energy costs.
4. 25 years warranty.



## BIPV CdTe Glass

BIPV CdTe glass, a low-carbon solution, films ordinary glass with Cadmium Telluride for solar-to-electric energy conversion, suitable for signs and architectural decoration.



### Characteristic

1. Transparency from 0% to 75%, allowing for an unobstructed view.
2. Replaces traditional building materials, saving costs.
3. Wide range of applications.
4. Could be customized.



## BIPV Crystalline Glass

BIPV Crystalline glass is a transparent power-generating material that combines solar cell technology with glass manufacturing processes, suitable for building-integrated photovoltaic power generation.



### Characteristic

1. Efficiently converts solar energy into electricity.
2. Dramatically reduces the energy costs of buildings achieving environmental sustainability.
3. Aesthetically pleasing and generous.
4. Could be customized.



## PDLC Smart Glass

The PDLC smart film is a type of film that can adjust the state of light transmission. It mainly operates between the scattering state and the transparent state, meaning that the film itself can change between transparent and non-transparent states (visual effect similar to frosted glass), with transparency regulated by voltage. Its basic principle is: when the power is off, the effect seen is a milky white opaque state. When the power is on, the effect seen is a transparent colorless film state.



### Characteristic

1. A convenient and feasible way to protect privacy.
2. Energy-saving heat insulation, UV protection, effectively reduce indoor temperature.
3. Widely used, can be used for advertising multimedia purposes, become advertising wall.



## Laminated Glass

Laminated glass is created by sandwiching a layer of PVB (Polyvinyl Butyral) or SGP (Solventless Glass Polymer) interlayer, primarily composed of polyvinyl acetal, between two sheets of glass. Even if the glass breaks, the shards tend to stick to the interlayer film. This effectively prevents injuries from sharp fragments and the risk of penetration and falling, ensuring personal safety.



### Characteristic

1. Laminated glass offers high safety
2. Effectively isolates noise
3. Blocks ultraviolet rays, and protects indoor items and humans from harm.



## Sun Room

Bathe in sunlight, enjoy the blue sky, and get close to nature; Specialized customized sunshine rooms can be customized in various styles to meet your different needs. It has a good sound insulation and thermal insulation effect, overcoming the defects of traditional sunlight rooms such as cold winter, hot summer, fog and ice formation.



### Characteristic

1. Extra thick aluminum profiles, durable, non deformable, corrosion resistant, and high strength.
2. Design of drainage tank and diversion tank, solve the problem of water accumulation in the channel, faster and safer drainage.
3. Openable the skylight to maintain sufficient indoor light, exhaust indoor polluted air, and replace fresh air.
4. Double glazing tempered glass, high safety, sound insulation, heat insulation.

## Doors & Windows

Multi channel sealing design, tight seams, improving the overall air tightness of the window, and double layer insulating glass to reduce noise, giving your family a quiet and comfortable environment. Selected high-quality hardware brands, one-stop spatial solutions, and multi-scenario customization services.



### Characteristic

1. High quality profiles, selected bridge cutoff aluminum profiles, rustless and easy to clean, easy to clean.
2. High quality sealing strip, PA66 nylon heat insulation strip, significantly improving heat insulation.
3. 2 layers/3 layers of hollow tempered glass, with its own desiccant, providing thermal insulation, sound insulation, heat insulation, water-proofing, and haze prevention.
4. Aviation grade micro arc oxidation spraying process, with stronger adhesion, environmental protection, no odor, and higher stability.

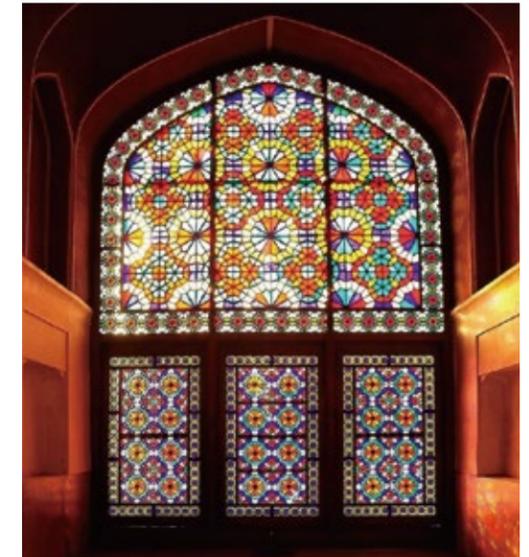
## Magneto-Controlled Built-In Hollow Louvers

Magnetically controlled hollow louvers, integrated with the window frame to achieve zero gap, providing you with a comfortable experience. Right magnetic control button, controlling the shutter lifting and lowering; The left magnetic control button controls the flip of the shutter.



## Digital Printed Glass

Digital printed glass, also known as digital ceramic printed glass, is a kind of image, pattern or text applied to the surface of flat glass, so that the visual effect is rich in depth, color, brightness and contrast technology development.



## Characteristic

1. Magnetic control flip, easy to switch.
2. Shading and privacy, sound insulation and noise reduction.
3. Seamless splicing process, selected high-quality aluminum materials.
4. Curtain integrated design, space saving, exquisite and simple atmosphere.

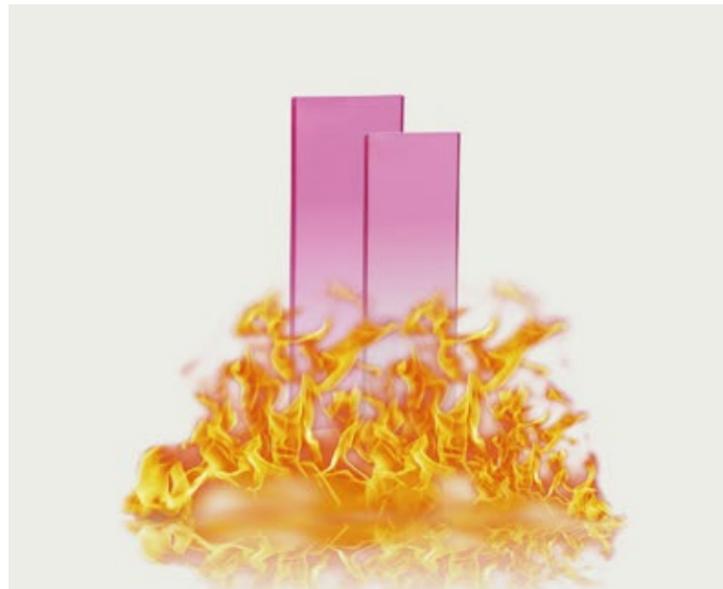
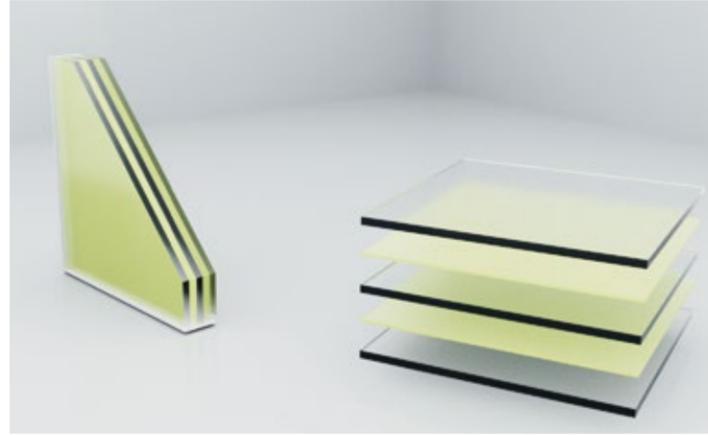


## Characteristic

1. Rich depth, color, brightness and contrast.
2. Personalized, artistic.
3. Super durability, never fade, scratch resistance, UV protection.

## Fireproof Glass

Crystalline silicon fireproof glass is a new type of inorganic transparent rigid resin fireproof glass developed by our company, which is a kind of sustainable use of green environmental protection and high insulation performance of fireproof glass. Its core is high quality crystalline silicon fire retardant adhesive, can be combined with glass through a variety of processes, to produce a variety of new products with fire protection function. Controlling the shutter lifting and lowering; The left magnetic control button controls the flip of the shutter.



## Characteristic

1. With high permeability, high adhesion.
2. High stability, high weather resistance.
3. High strength, high fire resistance and other unique advantages.



Guangdong Zhongrong Glass Technology Co., LTD  
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