

# Laminated glass



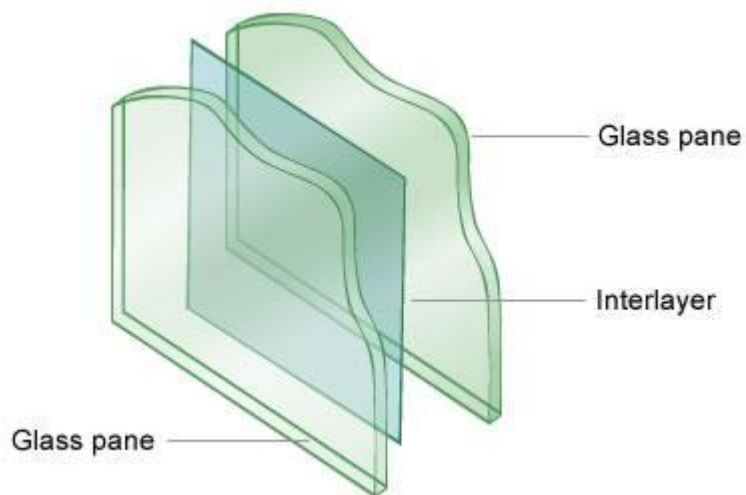
# Laminated glass

**Shenzhen Dragon Glass –  
Professional Laminated Safety Glass**

# Supplier in China

## What's laminated glass?

Laminated Glass is made up of two or more layers of glass permanently bonded together with an interlayer (PVB / SGP / EVA) via a controlled, highly pressurized and industrial heating process. The lamination process results in the glass panels holding together in the event of breakage, reducing the risk of harm. Laminated Glass is classified as Grade A Safety Glass. There is several laminated glass types manufactured using different glass and interlay options that produce a variety of strength and security requirements.



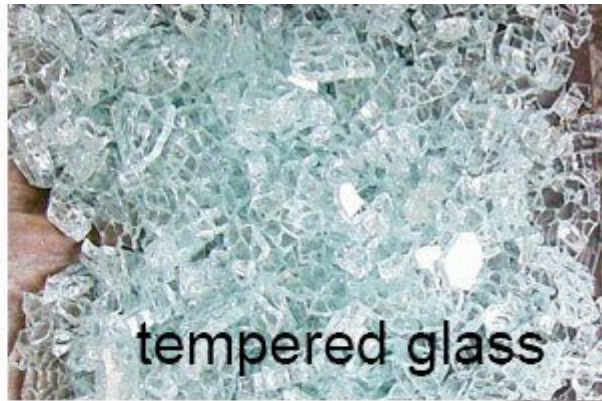


When annealed glass is broken, it will break into shape pieces which is dangerous to humans. When tempered glass is broken, it will form small particles with obtuse angles. When laminated glass is broken, the glass particles will still adhere to the interlayer material. As are shown in below pictures. Generally speaking, laminated glass is safer than tempered glass and annealed glass.





annealed glass



tempered glass



tempered laminated glass

Different types of glass breakage

## Laminated glass advantages

High Security  
Sound Insulation  
Anti-Ultraviolet  
Energy-saving  
Create aesthetic sense to building  
High Security

When laminated glass is attacked by outside force, it is hard to be penetrated because the interlayer film(PVB/EVA/SGP) has strong tenacity and can absorb and weaken a mass of striking energy. Even if the laminated glass is broken, the splinters

will stick to the interlayer and not scatter.

### Sound Insulation

The interlayer film(PVB/EVA/SGP) is a kind of organic material and it can block sound waves. Therefore, the laminated safety glass offers better soundproofing performance than the pure glass with the same thickness.

### Anti-Ultraviolet

Most laminated glass can absorb 99% of incoming ultraviolet radiation. It protects the furniture or appliances from discoloring and damage.

### Energy-saving

The interlayer film impedes the transmission of solar heat and reduces cooling loads. Thus saving the energy of power of air conditioners.

### Create aesthetic sense to building

Laminated glass with a tinted glass panel or [colored interlayer](#) will beautify the buildings and harmonize their appearances with surrounding views which meet the demands of architects.

## What is laminated glass used for?

Laminated glass can be used for places where super high strength and safety functions are required. Such as prisons, government buildings, banks, etc.

- Windows;
- Handrails;
- Doors;
- Tabletop;
- Balustrades;
- Stairs;

- Floors;
- Partitions;

etc.

[laminated glass for windows](#)

[laminated glass for partitions](#)

[laminated glass for railings](#)

[laminated glass for roof](#)

[laminated glass for bank](#)

[laminated glass for tabletop](#)

[laminated glass for floors](#)

[laminated glass for stair](#)

## **Shenzhen Dragon Glass laminated glass properties**

[Shenzhen Dragon Glass](#) as one of the best laminated glass suppliers in China, can provide you different brands such as xyg laminated glass, csg laminated glass, syp laminated glass, etc. Faster delivery and better price!

- Single glass panel thickness: 4mm~19mm.

- Interlayer material: PVB, SGP, EVA;
- Interlayer thickness: PVB: 0.38, 0.76, 1.14, 1.52, 2.28, 3.04, etc; SGP: 0.89, 1.52, 2.28, etc;
- Max size: 3300\*13000mm.
- Glass color: clear, ultra clear, grey, bronze, blue, green, etc.
- PVB color: green, blue, yellow, red, purple, orange, etc
- Additional process: ceramic frit; coated; frosted; acid etched; etc
- Sound deduction: >30dB+
- Transmittance: 8~85%.
- Shape: flat / curved.
- Capacity: 1600SQM/DAY.
- Certification: CE & SGCC.

## **Different types of laminated glass:**

[Ceramic frit laminated glass](#)

[Dichroic laminated glass](#)

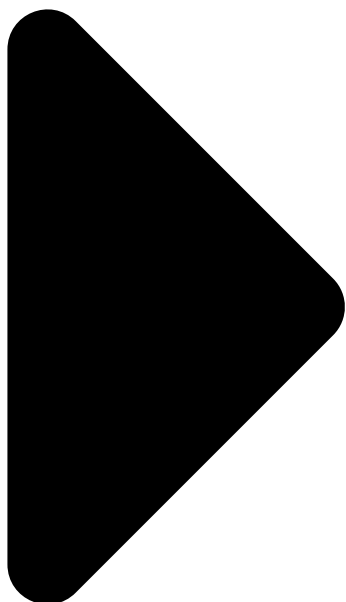
[digital printed laminated glass](#)

[ice cracked laminated glass](#)

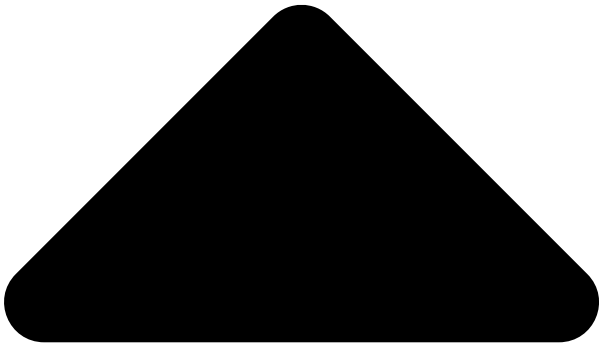
[mesh laminated glass](#)

[multiple layers laminated glass](#)

## FAQ of Laminated Glass

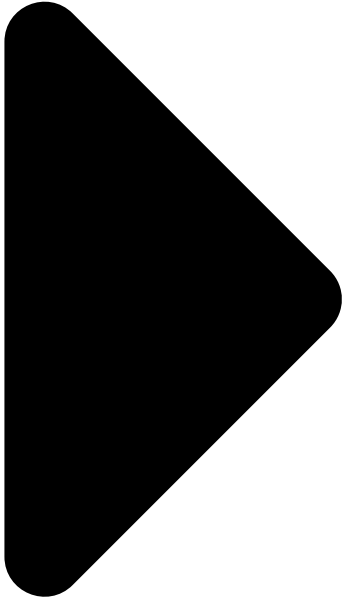


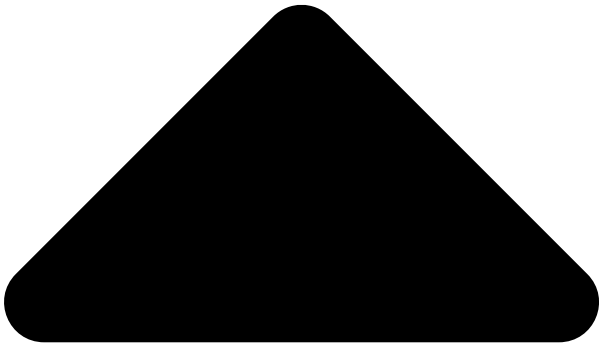




Is laminated glass tempered?

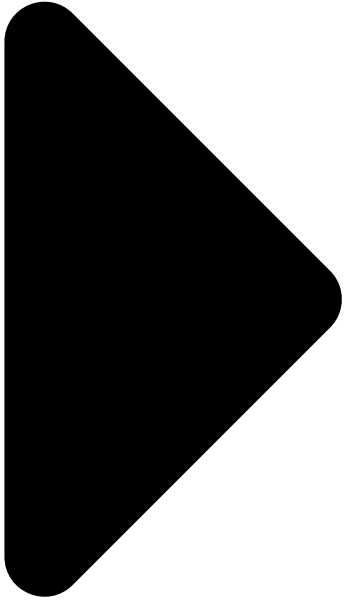
Laminated glass can use non tempered glass or tempered glass for its “sandwiched” panels.

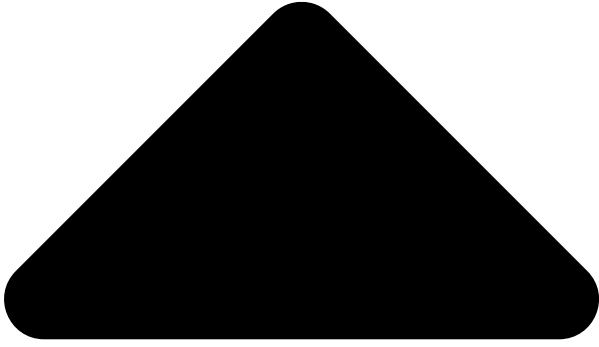




Is laminated glass bulletproof?

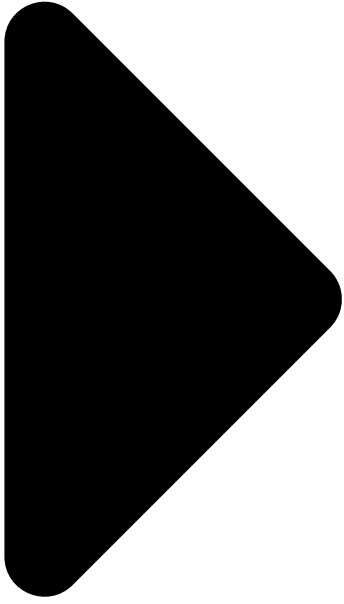
Multiple laminated glass with annealed glass has bulletproof function. It will depend on the layers & thickness of glass and interlayer material.



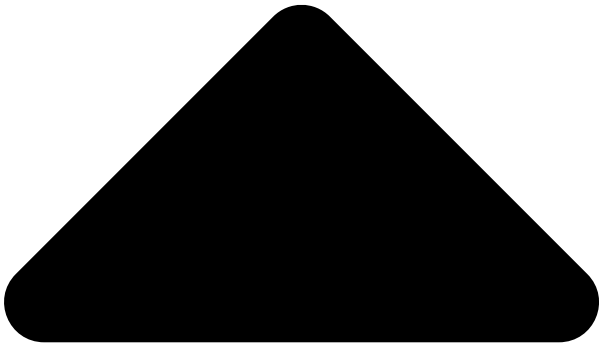


Is laminated glass soundproof?

Laminated glass has very good soundproof function. With noise deduction performance  $STC > 37dB+$ . It can offer you a very quiet environment.

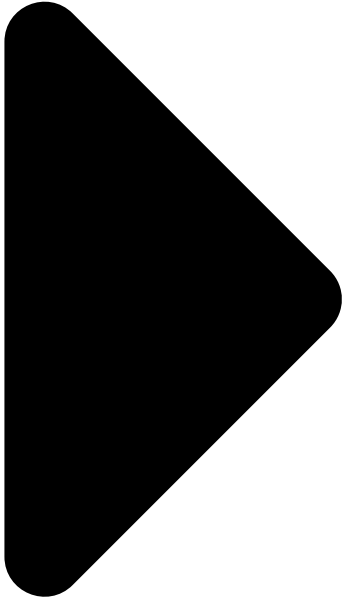


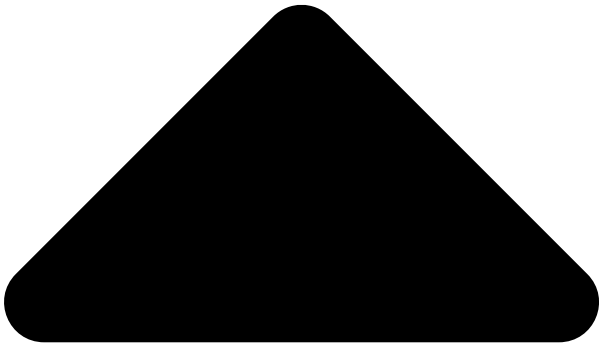




Is laminated glass better than tempered?

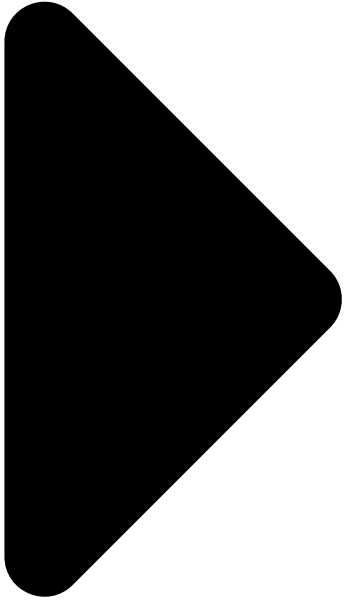
Normally yes. For the same thickness such as 12mm tempered glass VS 6+6mm tempered laminated glass. 6+6mm laminated glass can offer better strength and safety as well as acoustic performance.

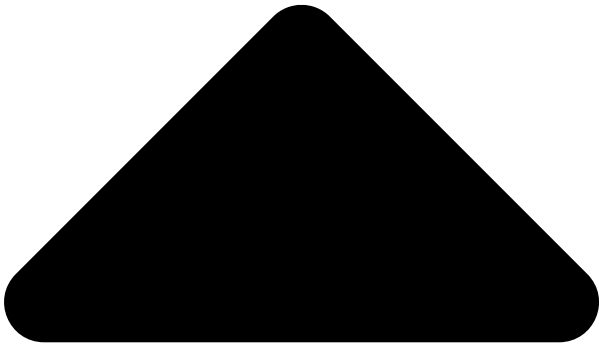




Can laminated glass be cut?

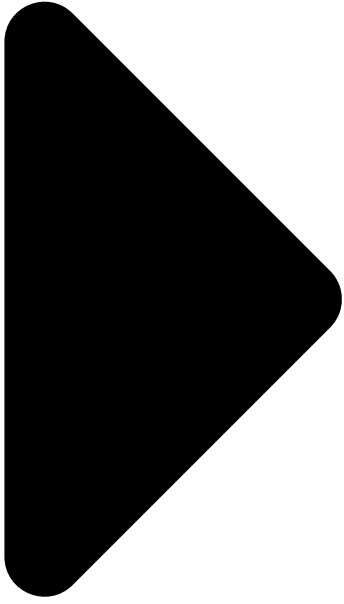
For large sheets of annealed laminated glass, such as 6.38mm, 8.38mm, 10.38mm, etc. It is able to be further cut to customized sizes. But for those tempered laminated glass, it cannot be further processed anymore.



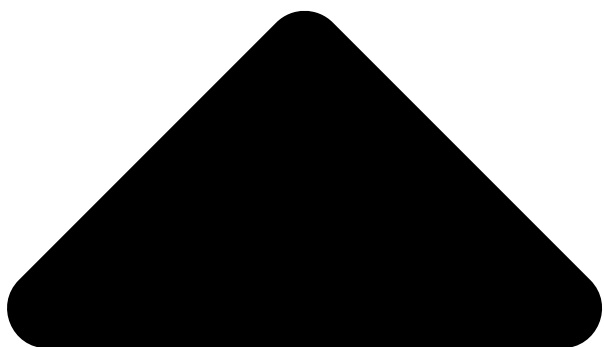


Can laminated glass be tinted?

Yes! Either you can use tinted glass for lamination or use colored interlayer material for laminated glass. Both can enrich your decoration effects.

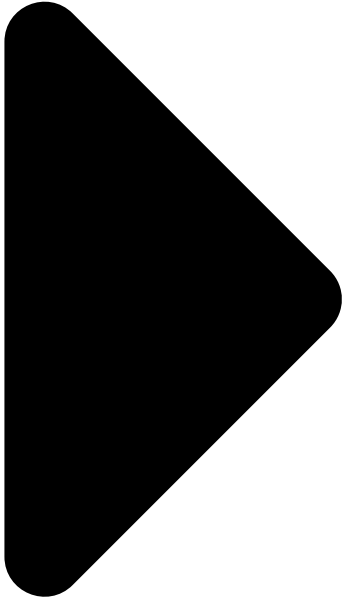


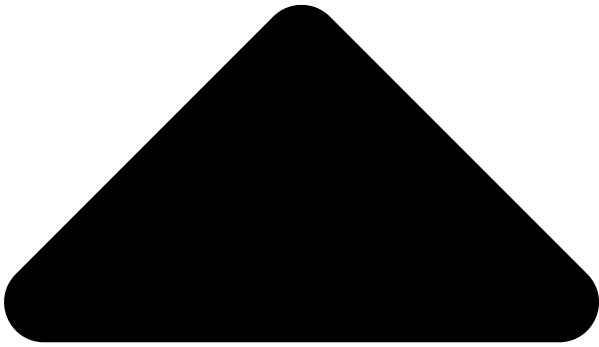




Laminated glass hs code

7007290000





How is laminated glass made step by step?

Laminated glass manufacturing process will be as follows:  
Cutting – > Edging -> Drilling -> Tempering – > Laminating -> Packing.

For more details, you can also check here: [Advanced Laminated Glass Process](#)

**Laminated glass products list**

**Contact us:**

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