

## **SGG toughened laminated glass 5mm+5mm- building glass manufacturers**

**Toughened laminated glass 5mm+5mm** also known as tempered laminated safety glass 5mm+5mm, is a kind of laminated glass, which is made of two layers of **5mm clear float glass** after tempering process become into **5mm clear tempered glass**. The middle layer is mostly PVB film, after heating, high-pressure special process, the two layers of glass adhesion together is safety glass. With the process of lamination, the glass is super strong and high protective against breakage.

### **Type of laminated glass:**

1. EVA film laminated glass, This type of laminated glass use as indoor decoration with richful design and colors, the adhesive of EVA laminated is not very strong and can not use outside.
2. PVB film laminated glass, This type laminated glass use most widely compared with other types laminated glass. Because PVB laminated glass have good function of adhesiveness and its price is not high compared with SGP laminated glass.
3. SGP laminated glass, SGP laminated glass use as hurricane resistance glass. The SGP glass have very strong adhesiveness and can be used the area which need strong bonding.

### **Features:**

1. Safety function: toughened laminated glass 5mm+5mm have the function of tempered glass and laminated glass. The glass break into small granular and bond by film, will not fall down. Toughened laminated glass is the most safety glass at present.
2. Sound Proof function: The density of PVB/SGP/EVA film are different with glass and the film can stop sound transmission in some degree.
3. UV rays resistance: Toughened laminated glass reduces the penetration of UV rays and protect indoor objects from UV rays radiation.
4. Fire resistance function: Toughened laminated glass can protect buildings against fire in some degree.
5. Energy saving function: Toughened laminated glass can make light through and reduce heat transmission, especially consisted with reflective glass or low e glass, can save solar energy.

### **Applications:**

1. Door or shower door glass
2. Curtain wall glass, facade glass
3. Railing glass, fence glass, balustrade glass
4. Roof glass

### **Specifications:**

Maximum size: 8000 mm length

Thickness range: 4mm to 65mm thickness, 5mm+5mm, 6mm+6mm, 8mm+8mm, etc.

Color range: transparent, semi-transparent, any color based on customers' requirement and design.

### **Details processing:**

toughened laminated glass 5mm+5mm can be processed accurately with polished edges, safety corner, drilling holes, cut outs to assemble with different types of accessories.

1.Laminated tempered glass belongs to interior stress glass.Before make lamination process, the glass need to cut in the molding, drilling and milling.

2.After finish production of laminated glass, the glass can not be cut any more, because it will lead to burst.

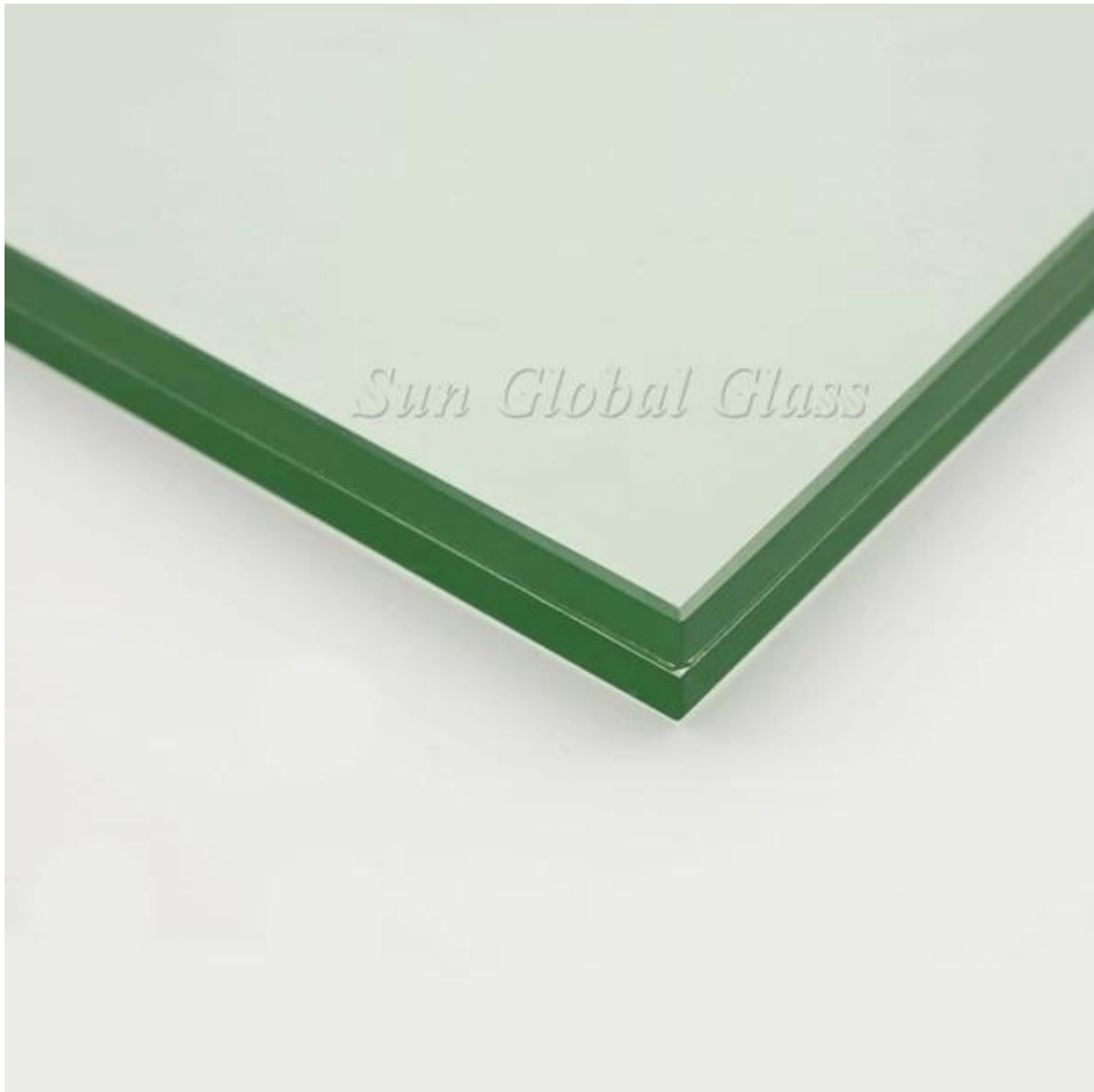
3.The edges of laminated tempered glass is concentration stress,need to be well protected, can not use sharp, hard objects to hit the edge of the glass, or easy to make the glass burst.

### **Quality Certificates:**

1. toughened laminated glass 5mm+5mm meet Chinese standard ISO9001 and CCC
2. toughened laminated glass 5mm+5mm meet Europe standard EN12543, E12510
3. toughened laminated glass 5mm+5mm meet British standard BS6206

### **Picture details of toughened laminated glass 5mm+5mm:**

**Product image:**



**Breakage of toughened laminated glass:**



annealed glass

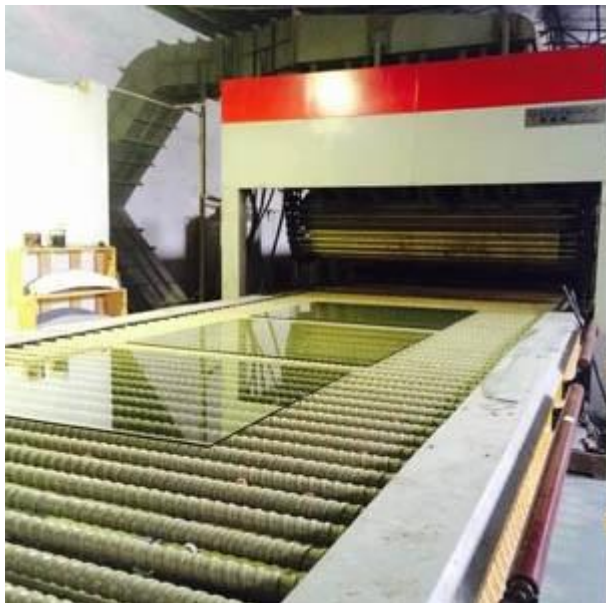


tempered glass



tempered laminated glass

**Production Line:**





**Package:**



