

# **SGG 10mm clear tempered glass- Safety building glass toughened and strengthened**

**Clear Tempered Glass** is cut clear glass into custom size, then heating to near glass softening point of 700 degrees, then rapidly cooled, which let the outer surface of the glass in a state of high compression, and the core or center of glass in compensating tension. This production process make clear tempered glass to be a safety glass that 4-5 times stronger than ordinary annealed glass.

Tempered glass can not be cut any more, even grinding edges, or other processing. In a result, all design details must be confirmed before production. Like edge polishing, drilling holes, cut outs, etc.

## **Features:**

- 1. Strength:** clear tempered glass is up to 4-5 times stronger than ordinary annealed float glass. The toughening process has greatly reduced the risk of thermal breakage.
- 2. Breakage & Safety:** when breakage, clear tempered glass will break into small cubic fragments that no harmful to human.
- 3. Multiple functions:** By change the glass substrate type, tempered glass could remain the features of this glass, meanwhile strength the glass. For example, low-e tempered glass, it is energy efficiency but also strong strengthened. It also can be laminated, insulated, and printed for specific requirements of different clients.
- 4. Cut & Polishing:** all types of edges, holes, and cut outs for different accessories. Our accurate cutting and measurements promoted the implementation of installers.

## **Applications:**

1. Clear tempered glass 10mm is widely used directly for tempered glass doors, glass partition, glass shower doors, glass enclosure, glass table tops, glass shelves, glass balustrades, shopfront glass, etc.
2. Clear tempered glass 10mm can be laminated with another glass panel, to be a tempered laminated safety glass for glass railings, glass roof, glass wall, glass
3. Clear tempered glass 10mm can also be insulated, to be sound proof and heat control.

## **Specifications:**

**Sun Global Glass supply tempered glass with full range of colors, thickness and glass substrates.**

- 1. Glass colors:** clear, extra clear, frosted, bronze, grey, green, blue, red, white, black, reflective glass colors, printed colors, and low-E tempered glass.
- 2. Glass thickness:** 4mm 5mm 6mm 8mm 10mm 12mm 15mm 19mm

**3. Glass size:** minimum size 300x300mm, maximum size length 8000mm

**4. Edge work:** Flat polished edge, chamfer edge, beveled edge, waved edge, OGEE edge, triple OG edge, and others.

**5. Drilling holes:** holes diameter need to be bigger than glass thickness.

**6. Cut outs:** all types of cut outs for different accessories. Our accurate cutting and measurements promoted the implementation of installers.

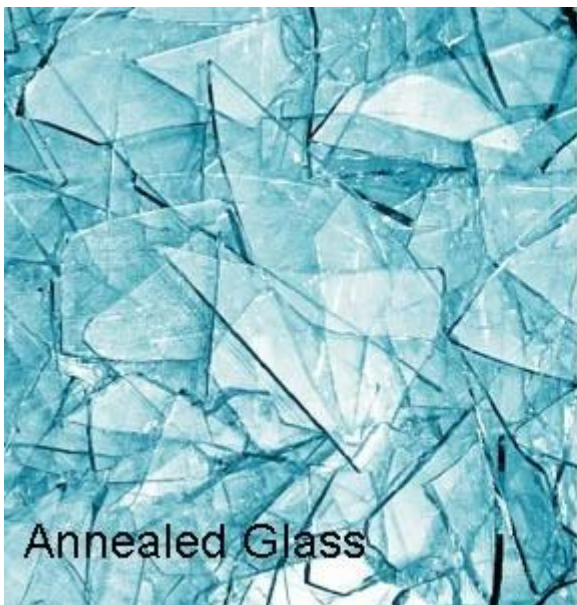
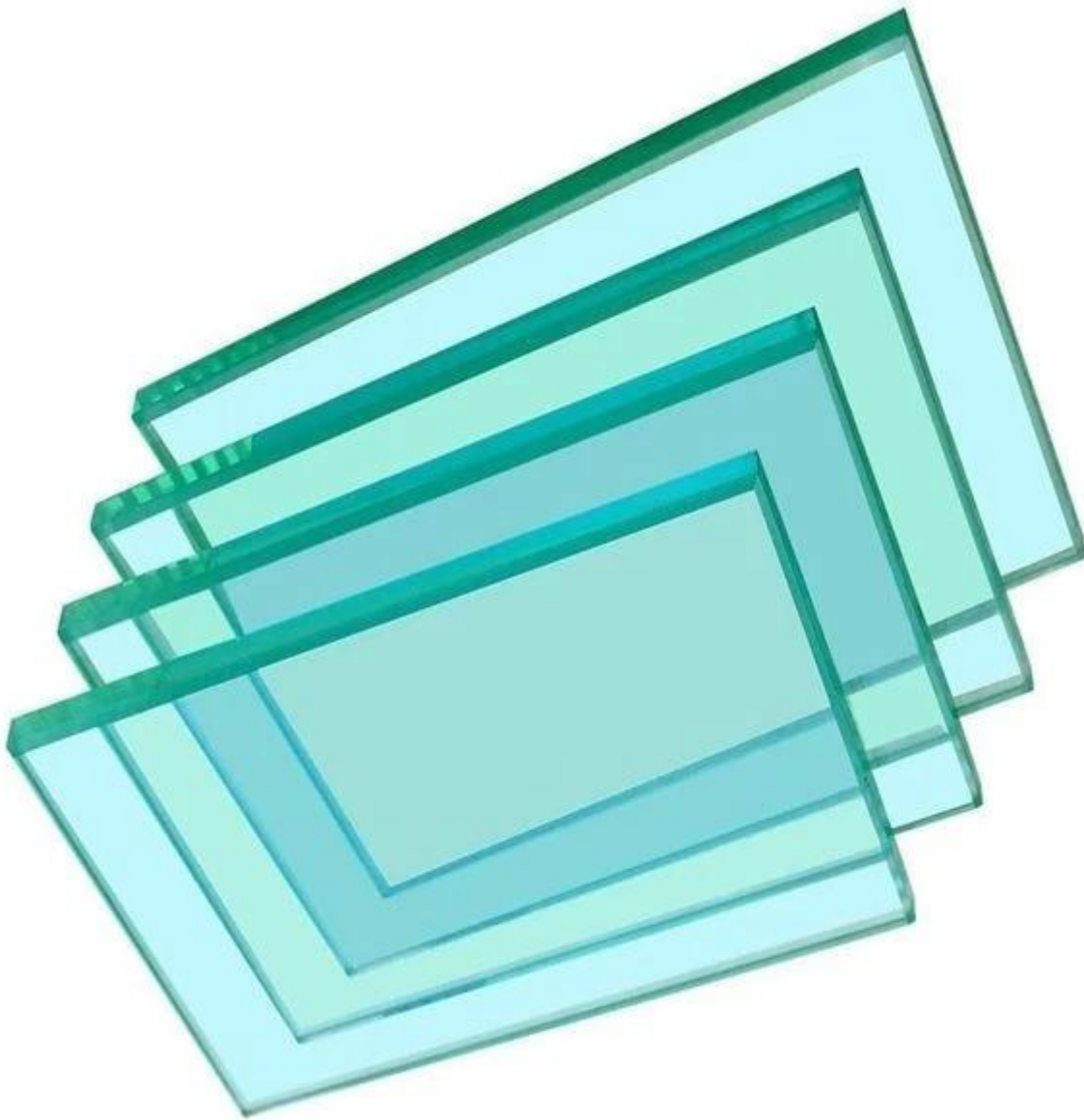
**7. Safe corner:** safety corner could greatly reduce the hurt to human by attack.

### **Quality:**

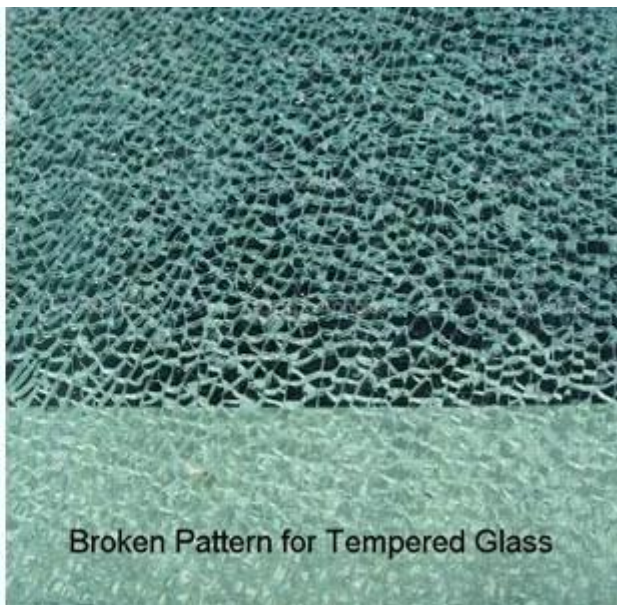
1. Conforms to the standards of Europe, North American and China: ISO, CCC, CE, BS6206, EN12510, ANSI Z97.
2. High strength and puer clean surface. Select 40% of high quality clear glass for tempering.
3. Excellent work on details: smooth edge polishing, drilling holes tolerance +/- 0.9mm
4. Strong wooden crates package.

### **Product Details:**

**Product pictures of 10mm clear tempered glass:**



Annealed Glass

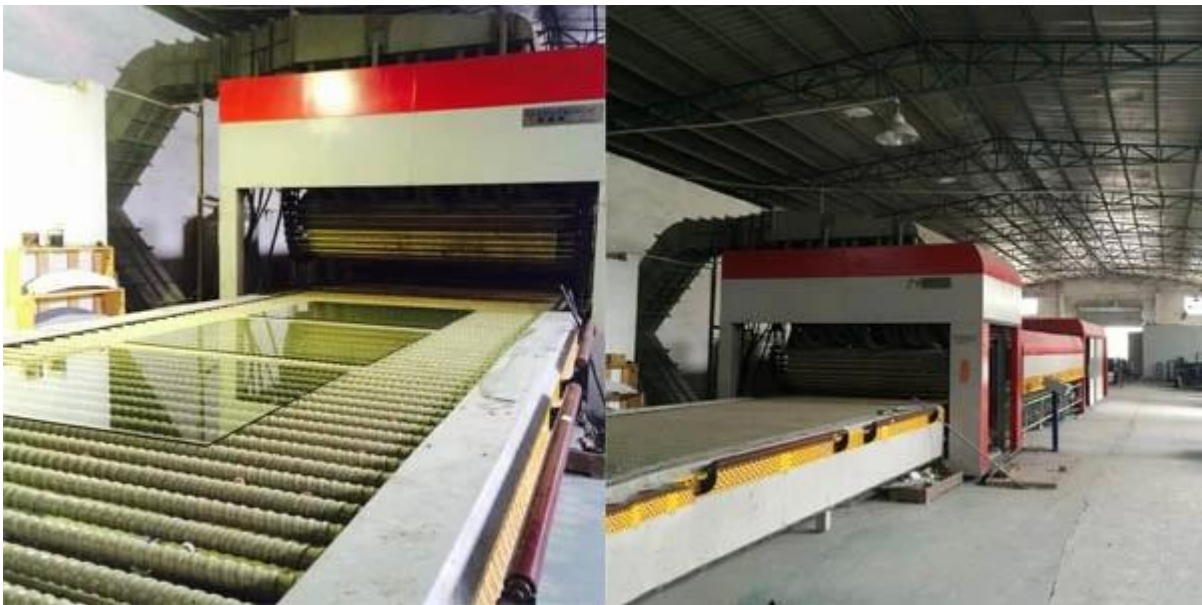
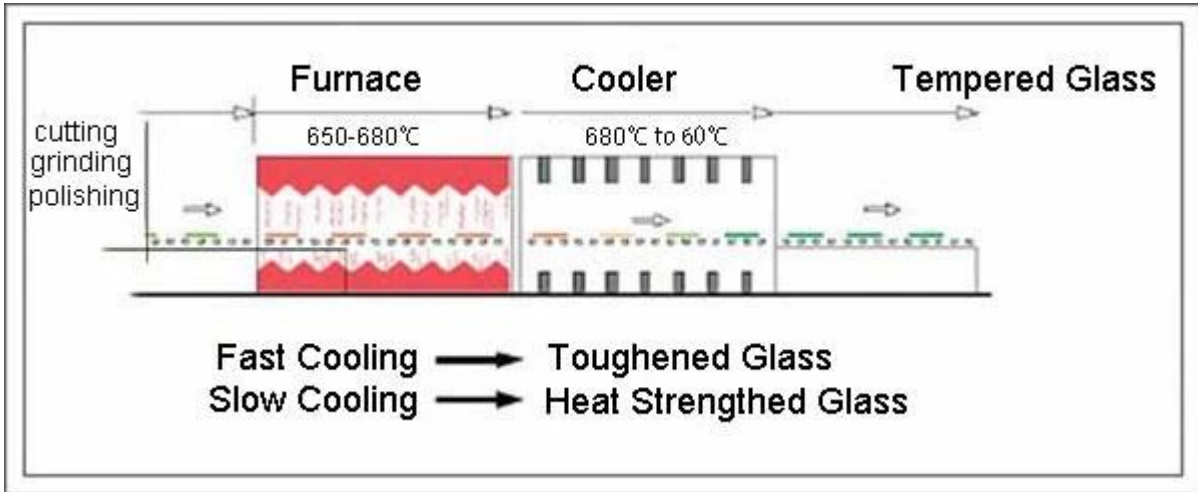


Broken Pattern for Tempered Glass

**Holes and Cut outs:**



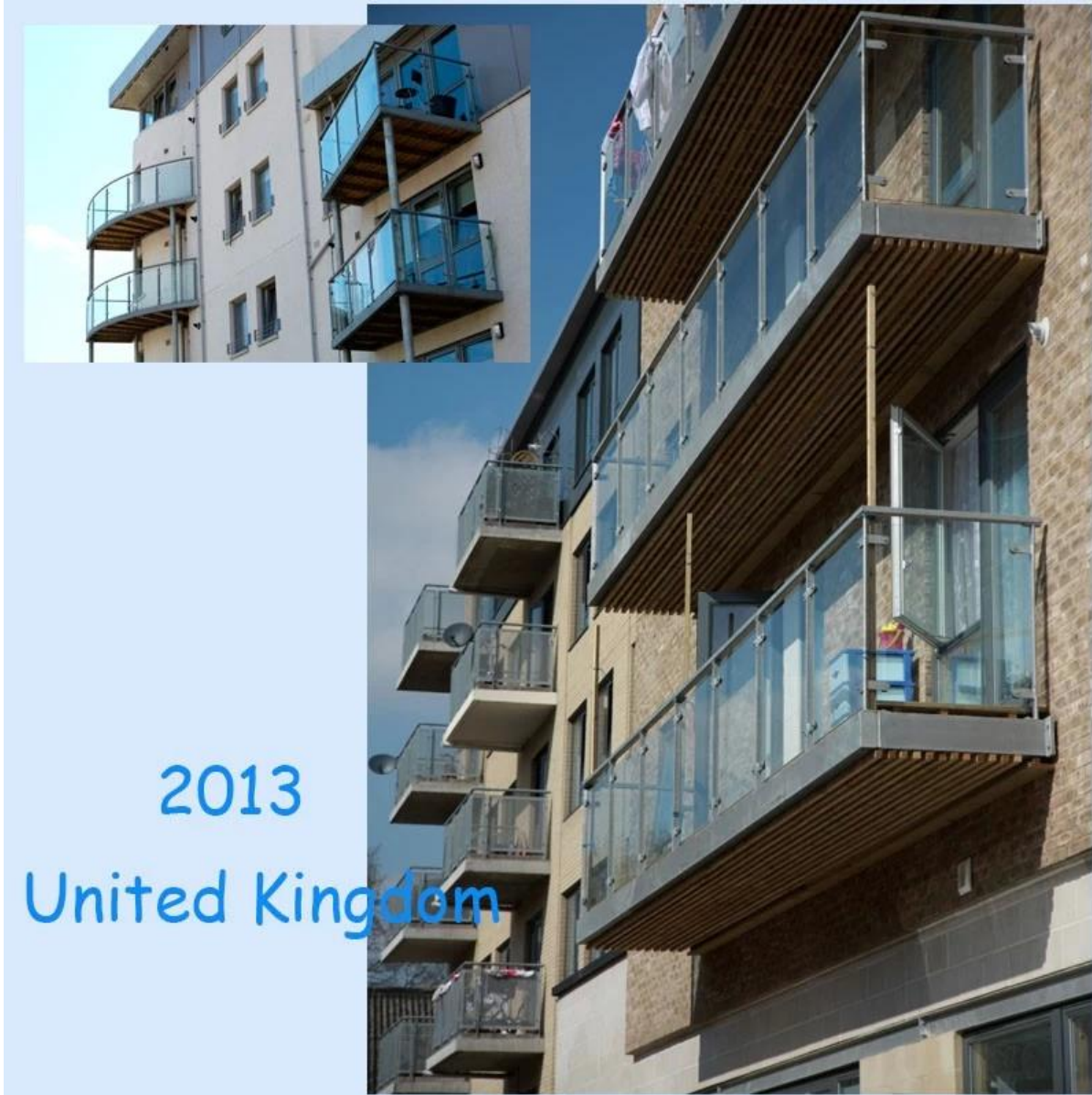
**Production Line:**



**Package and Loading:**



**Our Projects:**



**Our promise is that you receiving 10mm clear tempered glass with high quality and safety condition from us.**