

## **SGG CLEAR TEMPERED GLASS 12MM-** Safety building glass toughened and strengthened

**Clear Tempered Glass** is a kind of glass safety glass that can increase strength on the surface. Normally tempered by physical treatment. It is processed by intense heating to the softening temperature 700°C and with a rapid cool down, increasing the tensile stress inside the glass so that this kind of glass has increased the mechanical strength and the heat-resistant impact strength.

**Heat soak tempered glass;** By homogenizing furnace (hot-dip stove) uses convection heating. Hot air flows parallel to the glass surface and smooth flowing in between each piece of glass, and glass broken and should not be hindered. In the homogeneous processing of curved tempered glass, measures should be taken to prevent of lead due to the irregular shape of the glass unobstructed air circulation. Air imports and exports shall not be hampered due to the breakage of glass.

### **Full tempered glass and half tempered glass:**

When heat anneal glass to softening temperature 700°C → cool down rapidly called full tempered glass

When heat anneal glass to softening temperature 700°C → cool down slowly called half tempered glass.

### **Features:**

**1. Highly safety:** 12mm clear tempered glass is 5 times stronger than annealed glass. It's not easy to break, once broken, the glass fragments do not harm to human body.

**2. CNC machine cutting:** accurate cut outs, so it can fit your windows and doors accessories well, Making your installation easier.

**3. Multiple functions:** By change the glass substrate type, tempered glass could remain the features of this glass, meanwhile strengthen 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. Flat of surface:** Once anneal glass tempered, the surface of tempered glass will have a slightly flatness, but it is hard to discover by your eyes.

**5. Thermal stability:** High quality tempered glass can withstand the changes of temperature about 300°C →

### **matters need attention :**

Once glass tempered, do not make any process such as edge polished, cutting and drilling holes

### **Applications:**

tempered glass doors

glass partition

glass shower doors

glass enclosure, glass table tops,

glass shelves

glass balustrades

shopfront glass, etc

### **Specifications:**

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

**1. Glass colors:** clear, extra clear, frosted, bronze, grey, green, blue, red, white, black, reflective glass colors, printed colors,

**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:** When drilling holes, keep the holes diameter bigger than glass thickness

**6. Cut outs:** We used CNC automatic cutting machine making cutting more accurate. It can fit all kinds of accessories because of its accurate edges and cut outs.

**7. Safe corner:** we have nice edge polished beveled edge for corner reduce less harmful to human body.

### **Quality:**

1. Conforms to the standards of Europe, North American and China: ISO, CCC, CE, BS6206, EN12510, ANSI Z97.

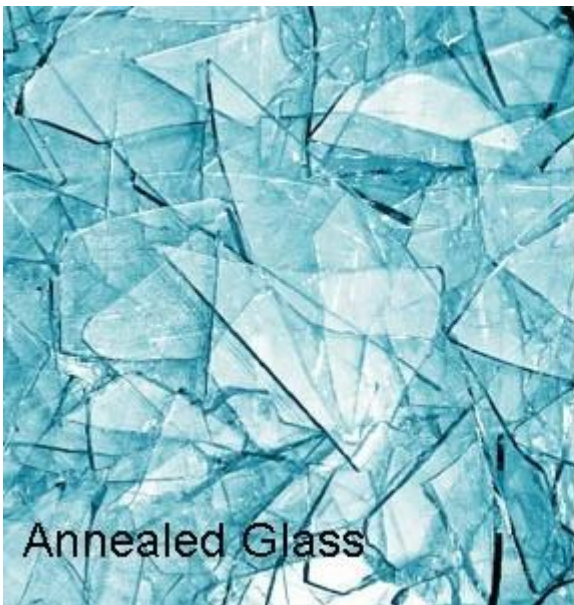
2. High strength and perfect clean surface. Select 40% of high quality clear glass for tempering.

3. Excellent work on details: smooth edge polishing, drilling holes tolerance +/- 0.9mm

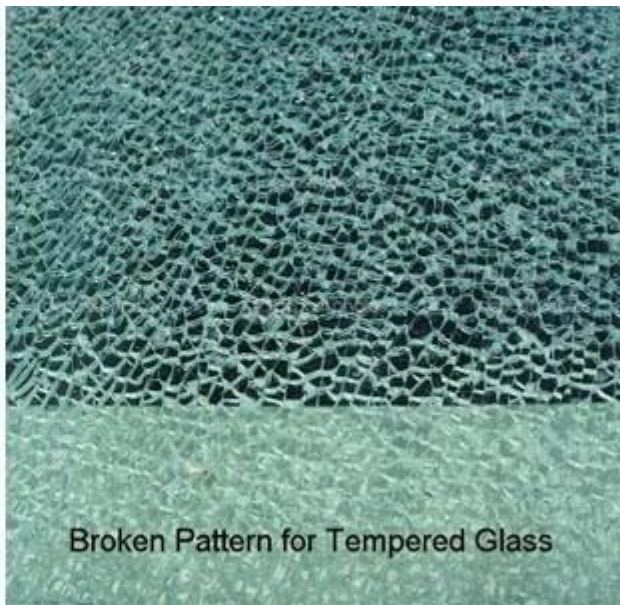
4. Strong exporter wooden package.

### **Product Details:**

**Product pictures of Clear Tempered Glass 12mm:**



Annealed Glass

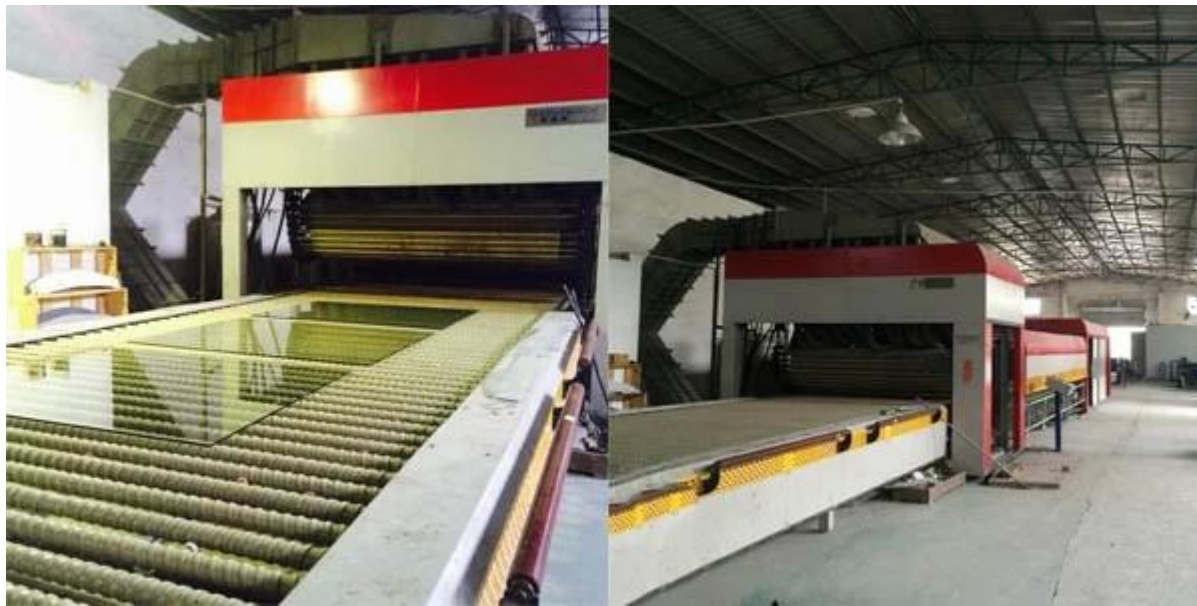
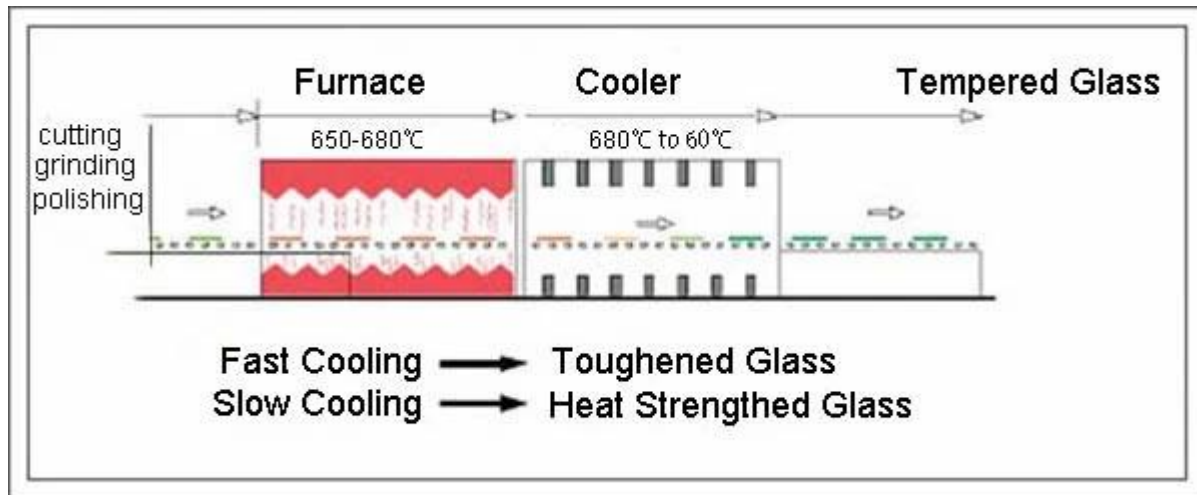


Broken Pattern for Tempered Glass

### **Holes and Cut outs:**



### **Production Line:**

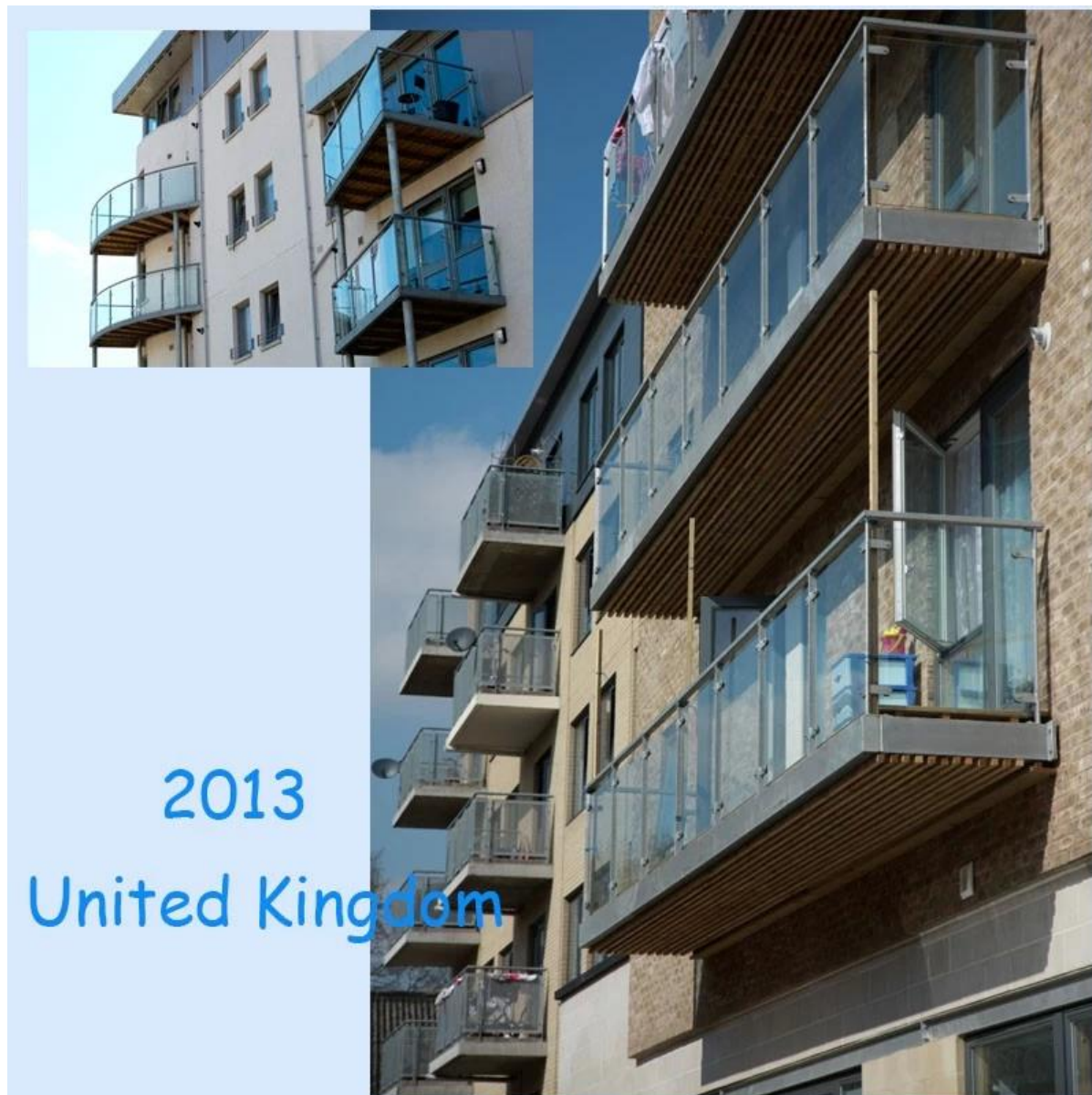


**Package and Loading:**





**Our Projects:**



**Our promise is that you receiving clear tempered glass 12mm with high quality and safety condition from us.**