

SGG CLEAR SAFETY TEMPERED GLASS 10MM- Safety building glass toughened and strengthened

Clear Tempered Glass is produced by high quality 10mm clear float glass, which is processed by controlled thermal heating to the softening temperature of annealed glass (about 700°C) with a quick cool down treatment. Tempering puts the outer surfaces into compression and the inner surfaces into tension. Such stresses cause the glass, when broken, to crumble into small granular chunks instead of splintering into jagged shards as plate glass.

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

tempered glass and heat strength 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 heat strength glass.

The difference between tempered glass and heat strength glass

1. Tempered glass is a kind of safety glass, the strength is 5 times than annealed glass. when broken, the fragments are not sharp. do less harm to human body

2. Heat strength glass is not safety glass, which strength is 2-3 times than annealed glass, when broken, the fragments are sharp as annealed glass.

Features:

1. Highly safety: 10mm 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

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. Flat of surface: Once annealed glass tempered, the surface of tempered glass will be 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 :

Toughened glass must cut to customized size, drill holes, edge polished before tempering. Once tempering

can not take any processing. The annealed glass must choose high quality. No scratch, bubbles and waveness

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.

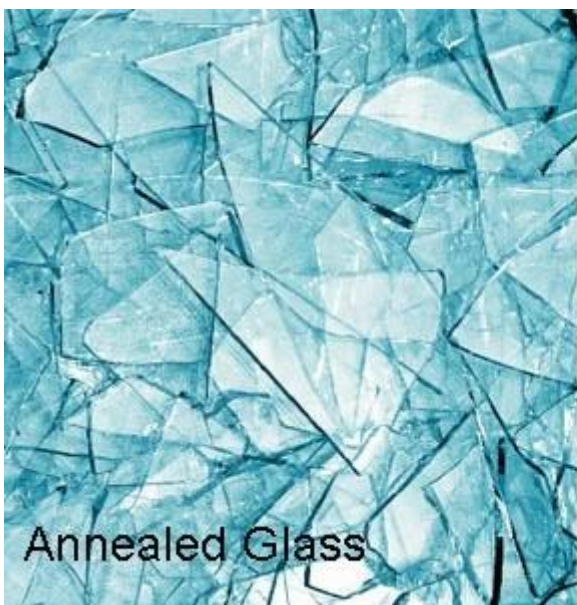
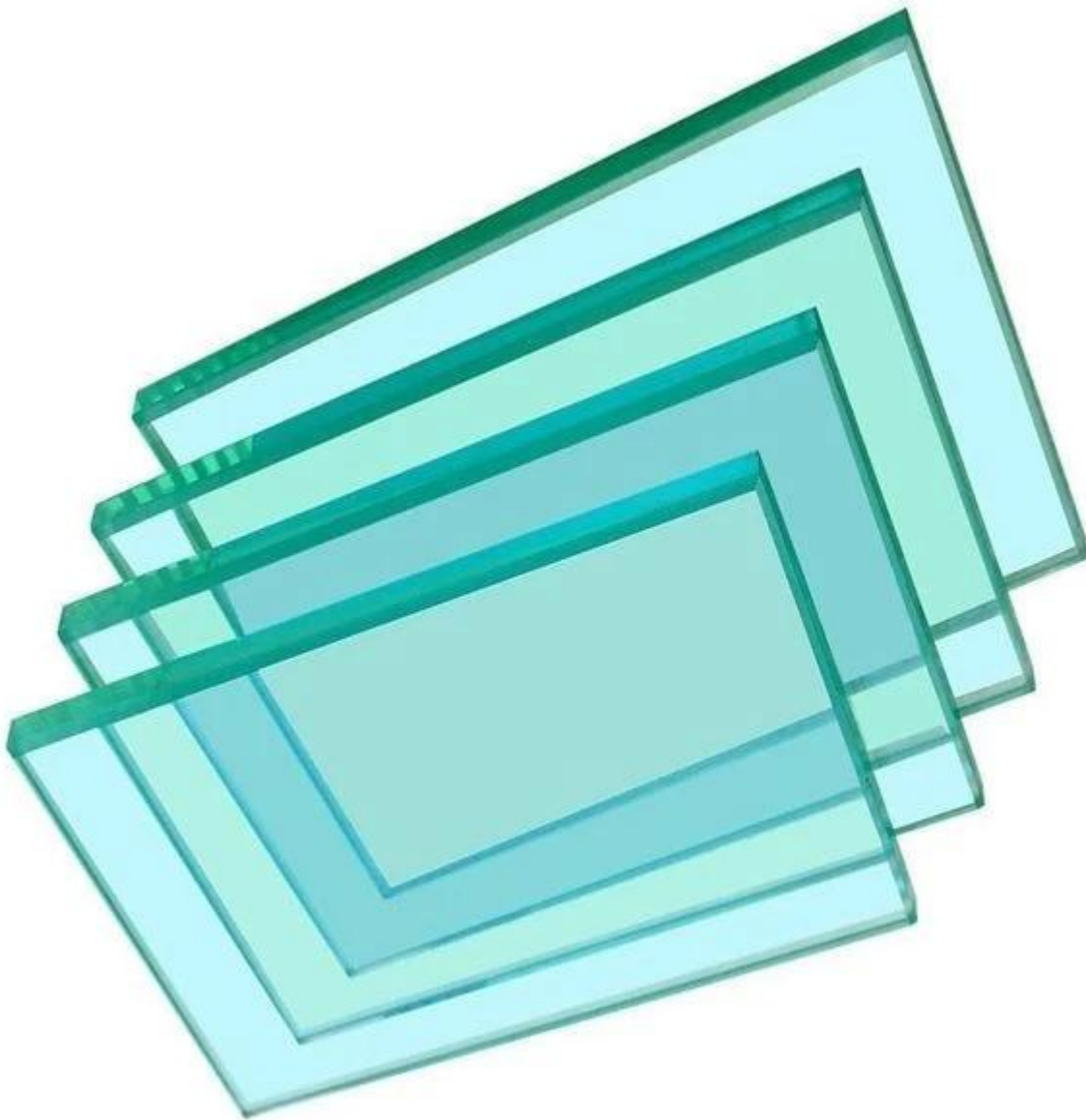
- 1. Glass colors:** clear, extra clear, frosted, bronze, grey, green, blue, red, white, black, reflective glass colors, printed colors,
- 3. Glass size:** minimum size 300x300mm, maximum size length 8000mm
- 4. Edge work:** Flat polished edge, chamfer edge, beveled edge, waved edge, OGEE edge, triple 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:

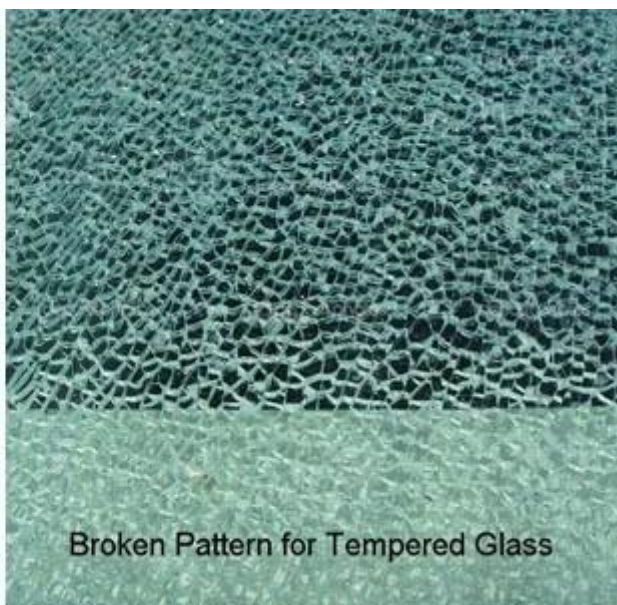
1. Conforms to the standards of Europe, North American and China: ISO, CCC, CE, BS6206, EN12510, ANSI Z97.
2. High strength and pure clean surface. Select 40% of high quality clear glass for tempering.
3. Excellent work on details: smooth edge polishing, drilling holes tolerance +/- 0.9mm
4. Strong exporter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

Product Details:

Product pictures of Clear Tempered Glass 10mm:



Annealed Glass

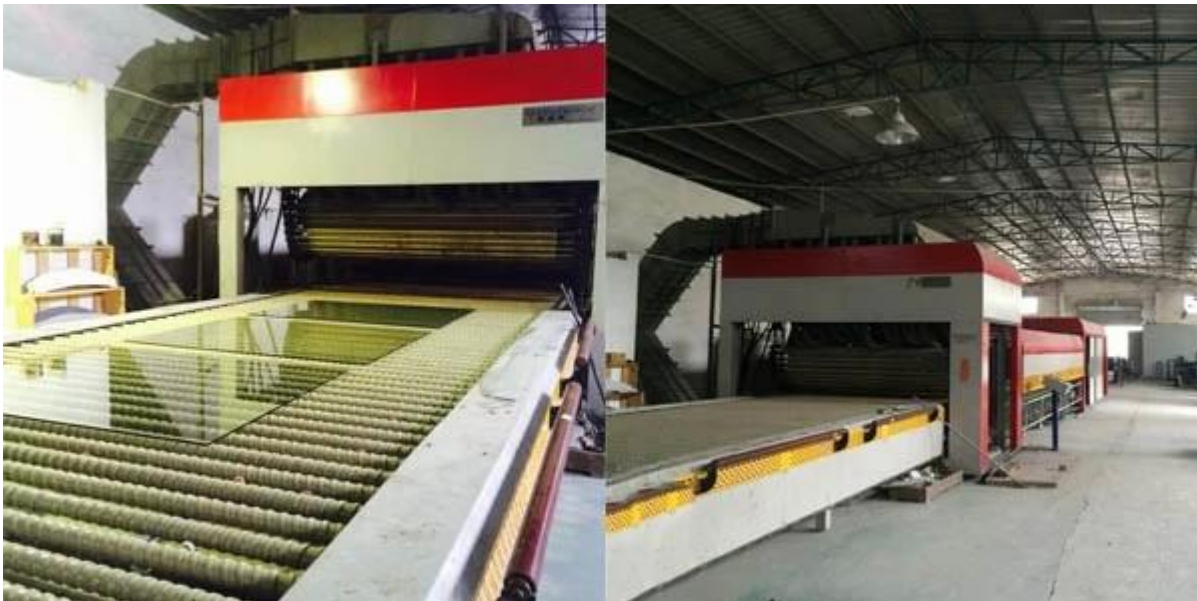
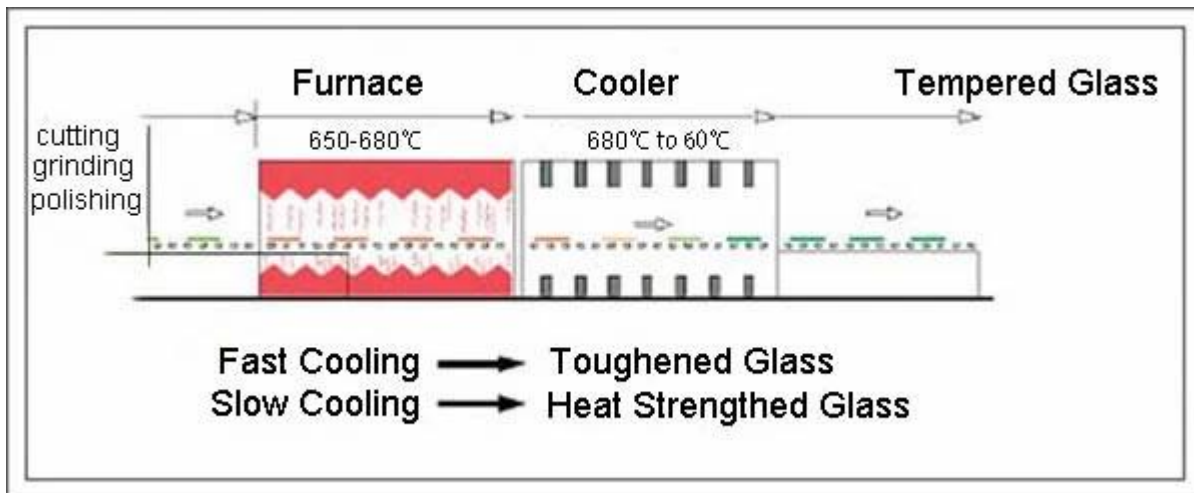


Broken Pattern for Tempered Glass

Holes and Cut outs:



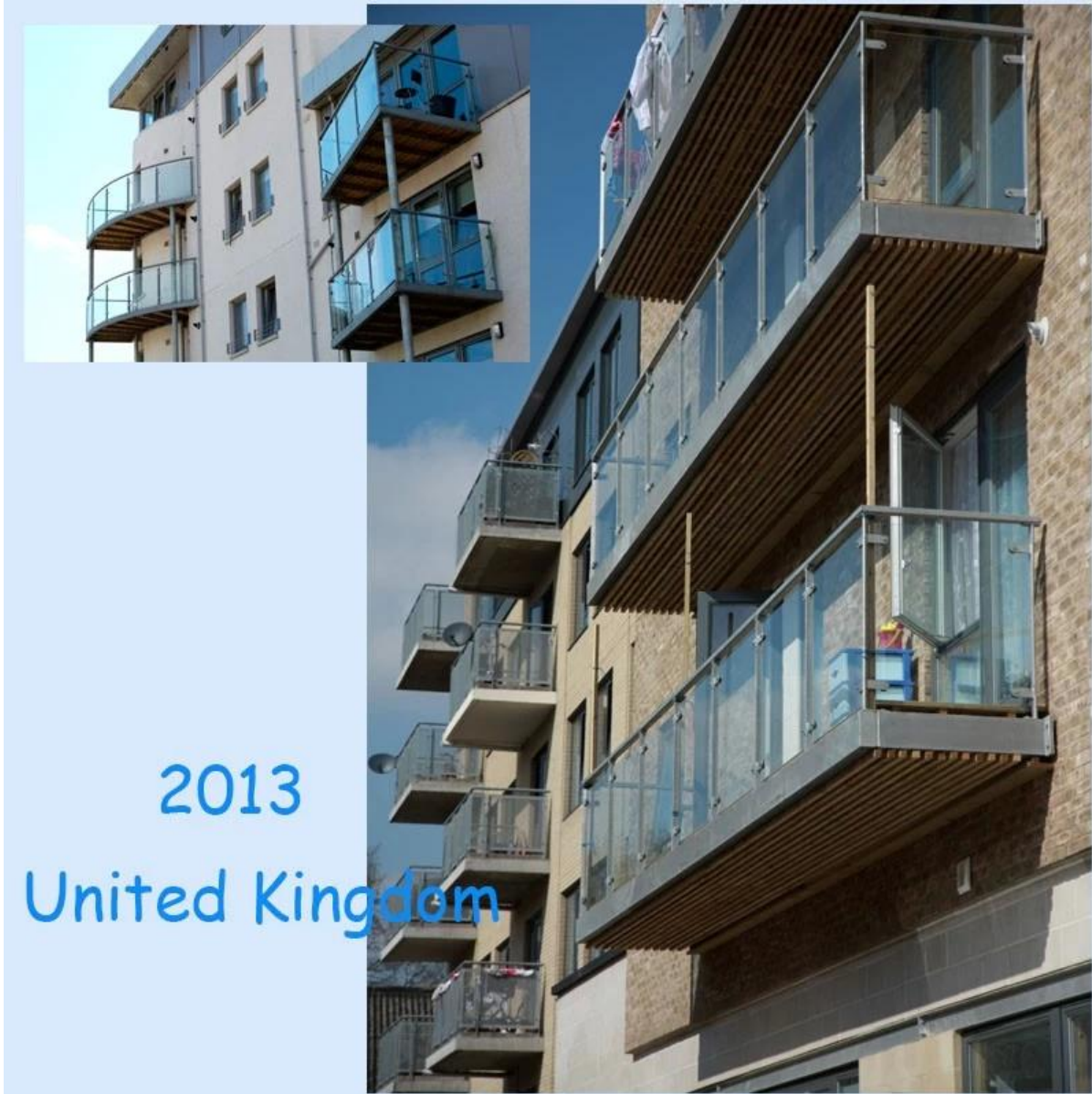
Production Line:



Package and Loading:



Our Projects:



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