

## **SGG 12mm ultra clear tempered glass panel- CE/ BS 6206 Standard Quality**

**12mm ultra clear tempered glass** is also called 12mm ultra clear toughened glass and its transparency is higher than ordinary 12mm clear tempered glass. It's produced through the processing of hardening the structure of anneal glass to be made with internal stresses, comes with a result in increasing strength. It is a kind of safety glass. Because when it occurs breakage, the glass sheet will become small particles with blunt edges. Compared to anneal glass, it can reduce the injury to people. Toughened glass have been widely used in places particular responsibility, a high risk of breakage or subject to strong sunlight would cause a significant increase in thermal stresses because of this feature. When Ultra Clear Float Glass polished edge and tempered, the glass rims look a bit blue.

### **Featurers:**

- 1.High Strength:** Compared to 12mm ultra clear float glass, it is five times harder. It can withstand heavier impacts, load heavier weight and has higher strength.
- 2.High Transparency:** you can enjoy a good view when you look outside through it.
- 3.Heat Stability:** 12mm ultra clear tempered glass can withstand a temperature range of 250°C to 320°C.
- 4.High Safety:** It can reduces the injury when it's broken, because when the breakage occurred, the tempered glass will become small cubic pieces.

### **Applications:**

1. Can be used as table top, table coverings.
2. Used for glass partition walls, railings, balcony breast board, fences, etc.
3. Used for windows and door.
4. Can be used for glass swimming pool fences

### **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.Edge work:** Flat polished edge, beveled edge, chamfer edge, OGEE edge, waved edge, triple OG edge, etc..

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

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

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

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

### **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. Packed with strong wooden crates.

### **Product Details:**

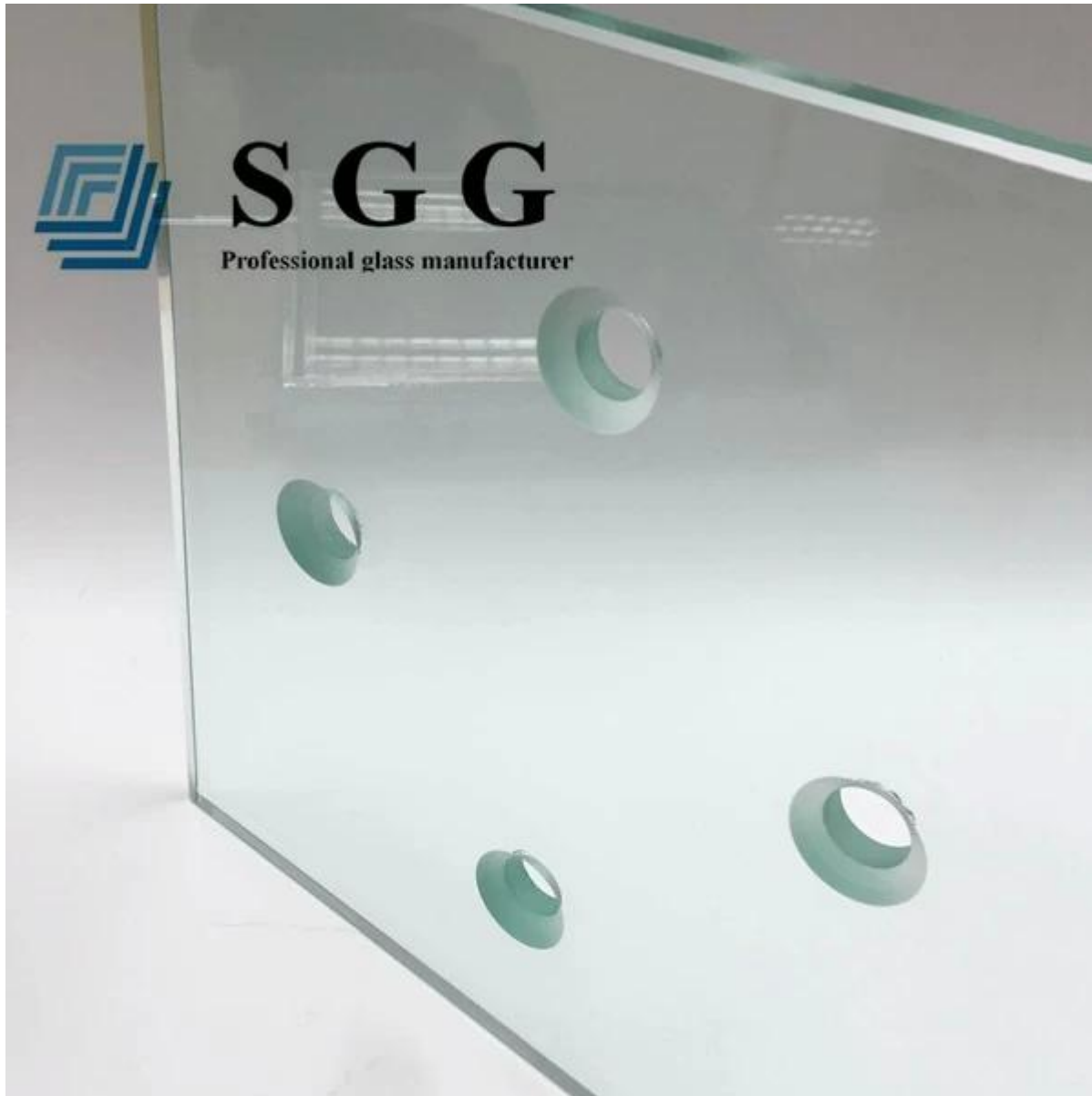
**Product pictures of 12mm ultra clear tempered glass:**



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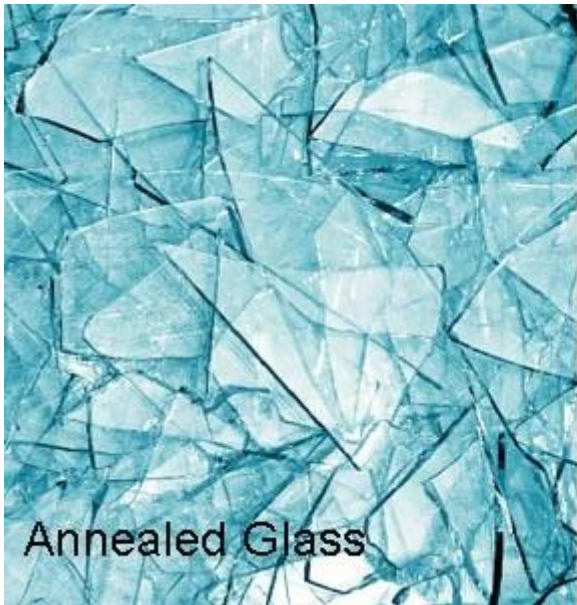
**Professional glass manufacturer**





### **Differences between [Annealed Glass](#) and [Tempered Glass](#):**

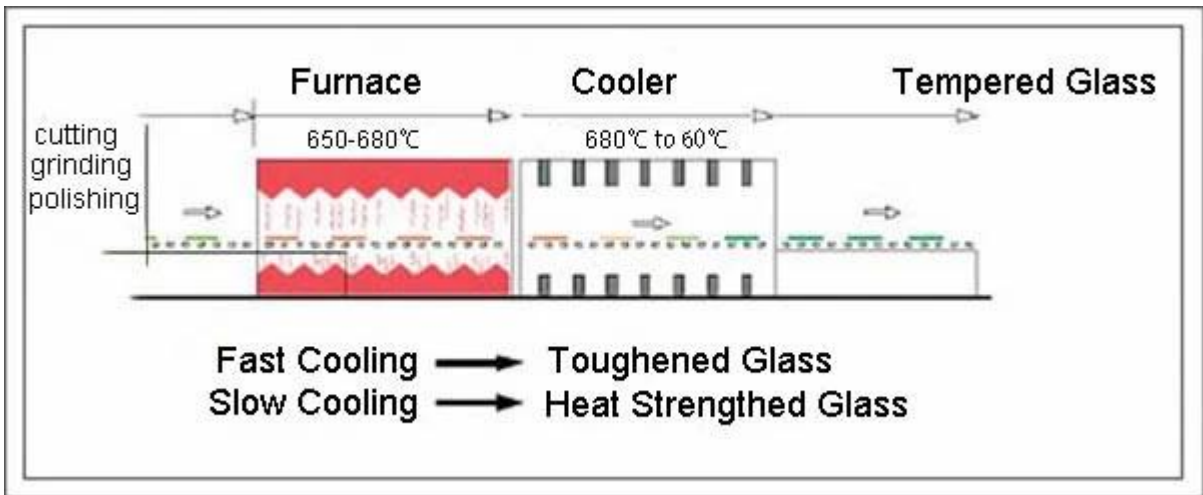
1. 12mm ultra clear tempered glass reduces the risk of injury due to its nature of breaking into small, circular pieces instead of sharp, jagged shards.
2. 12mm ultra clear toughened windows is ease of clean-up if they ever do break.
3. 12mm safety toughened glass is 5 times strength than [12mm clear float glass](#).



**Holes and Cut outs:**



**Production Line:**





**Package and Loading:**



**Our Projects:**

Philippines  
Avida Centera  
in 2014



**We promise that you will receive 12mm ultra clear tempered glass with high quality and safety condition from us.**