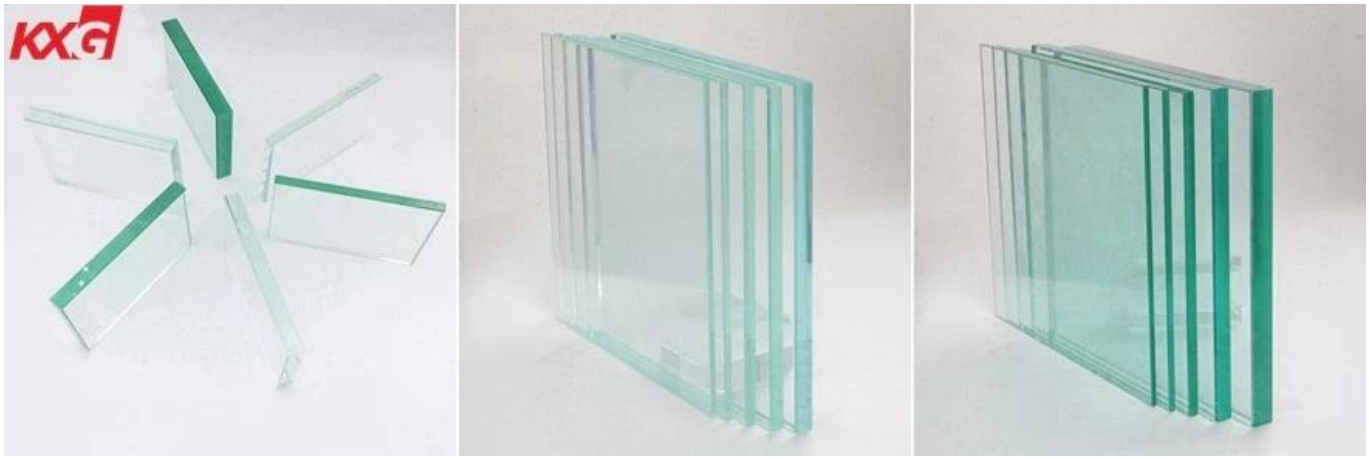
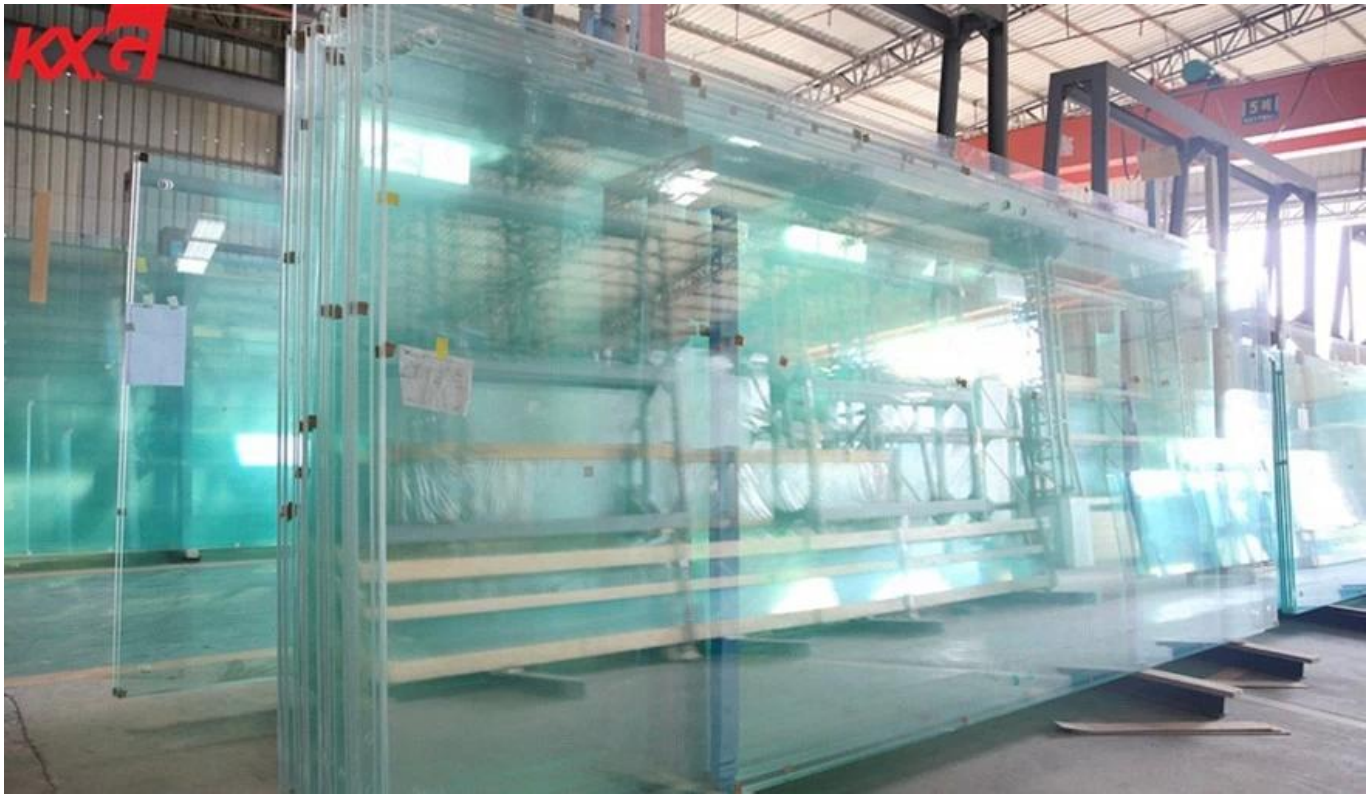
China building manufacturer 8mm low iron extra clear tempered glass, 8mm ultra clear toughened glass

Toughened glass is a type of glass with even compressive stress on the surface which is made by heating float glass to nearly softening point and then cooling it down rapidly by air. During the instant cooling process, the exterior of glass is solidified due to rapid cooling while the interior of the glass is cooled down relatively slowly. The process will bring the glass surface compressive stress and the interior tensile stress which can improve the mechanical strength of glass by germination and result in good thermal stability.



Tempered glass is one of two kinds of safety glass regularly used in applications in which standard glass could pose a potential danger. Tempered glass is four to five times stronger than standard glass and does not break into sharp shards when it fails. Tempered glass is manufactured through a process of extreme heating and rapid cooling, making it harder than normal glass .

Now, safety glass is becoming more and more popular in the world. As we all know, Tempered glass is a kind of safety glass. Besides, along with the continuous renewal of products and the processing technology, the application scope of toughened glass has become wider and wider.



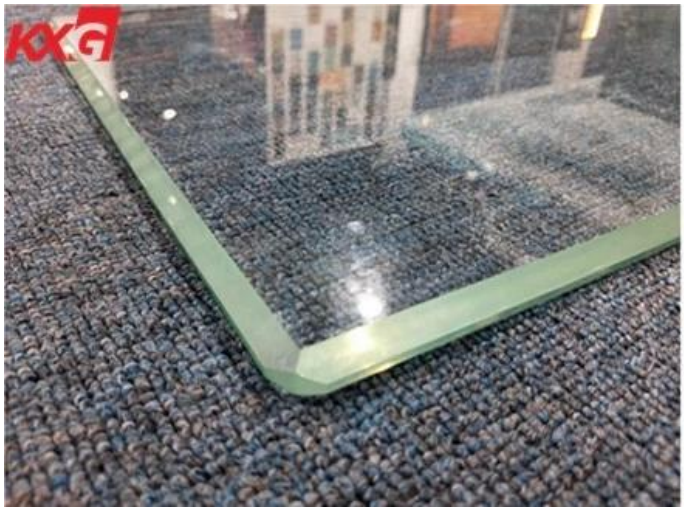
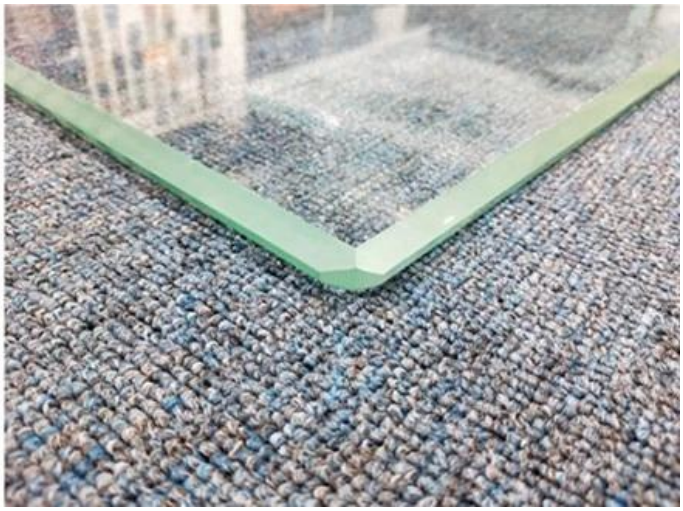
FEATURES:

1. 5-6 times harder than ordinary float glass, stronger resistance to thermal breakage than annealed or heat strengthened glass.

2. Once breakage occurs, the glass disintegrates into small cubical fragments, which are relatively harmless to human body.

3. It withstands abrupt temperature change of 220 Centigrade.

4. Sizes are produced as per customer request. Once tempered, it can not be cut down.

Specification:

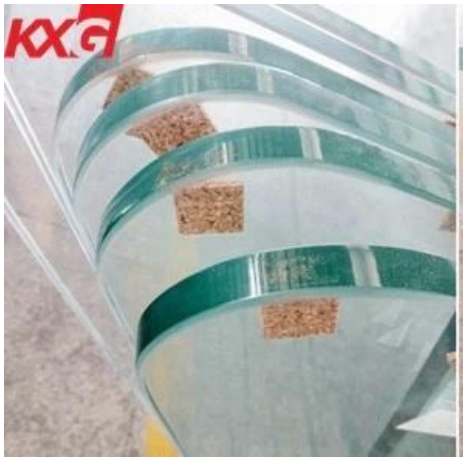
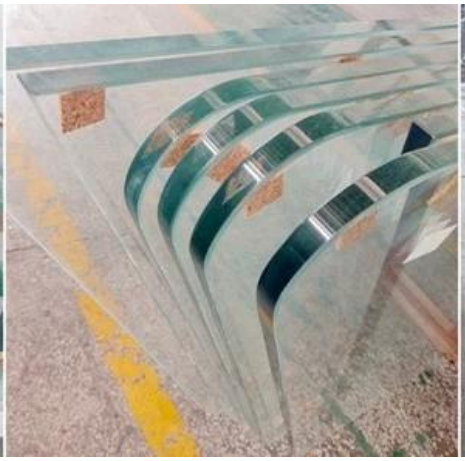
Glass types: Float glass, pattern glass

Colors: Clear, extra clear, bronze, grey, blue and green etc

Thickness: 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm

Size: Max. 2440X3600mm, could be produced as per request.

Delivery time: In four weeks after order confirmation.

Application

1.External use of **curtain wall**, show windows, doors, shopfronts in offices, houses, shops etc.

2.Interior glass screens, partitions, balustrades and elevators etc.

3.Shop display windows, showcases, display shelves etc.

4.Furniture, table-tops etc.