

# Shenzhen High Quality 8MM Clear Toughened Glass Manufacturers

## About tempered glass

Tempered glass, also toughend glass is fabricated by heating annealed glass to over 600°C and cooling it rapidly, which locks the outer surfaces of the glass in a state of high compression, and the core or center of the glass in compensating tension. It is a safety glass which is used when strength, thermal resistance and safety are important considerations.

## High Strength tempered glass

The tempered glass performs well in resisting bending and hitting owing to its high strength which is 3-5times that of normal annealed glass. It is able to withstand a surface pressure of 95Mpa.

## High Safety tempered glass

When the tempered glass is broken, it turns into alveolate granules with obtuse angles, which guarantee safety to make sure human harmless, and the toughening process greatly reduces the risk of thermal breakage to ensure less loss.

## Heat Stability

The tempered glass is capable of withstanding a temperature change of 250 to 320°C while normal annealed glass can only bear 20 to 100°C.

## Performance Comparison

Items	Tempered Glass	Semi-tempered Glass	Normal annealed glass
Safety	Best	General	None
Intensity	152Mpa	/	30-90Mpa
Thermal Stability	250-320°C	100°C	20-100°C
Surface Stress	95Mpa	24-69Mpa	/
Broken State	Obtuse-angle grain	Shooting-broken	Sharp

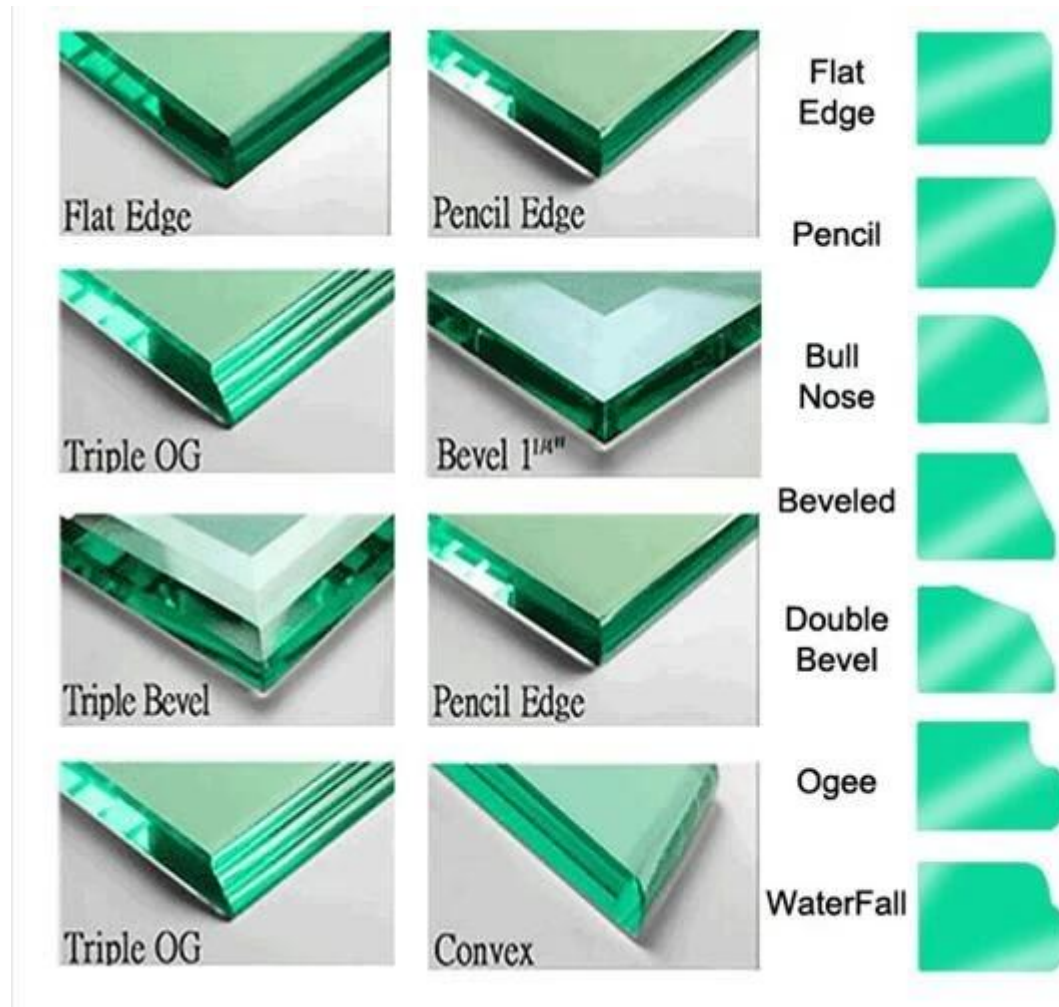
## Specification

8mm tempered glass available size: Maximum 3000\*8000mm, Minimum 150\*300mm

All the processing done on the 8mm tempered glass like beveling, cutting, drilling, etc. must be done before tempering.

### Edge work

Any edges could be done perfectly on 8mm clear toughened glass, like flat polished edge (T edge), pencil edge (C edge), beveled edge, ogee edge, matt edge, corner round edge.



### Application

• Glass Balustrades, Glass skylights, Glass canopy, Shower shelves, Glass doors and windows, Frameless entry and balustrading, Public Venues, Office buildings. Furnitures like table top, cabinet doors etc.

### Quality Standard

In accordance with EN12150 European tempered glass standard

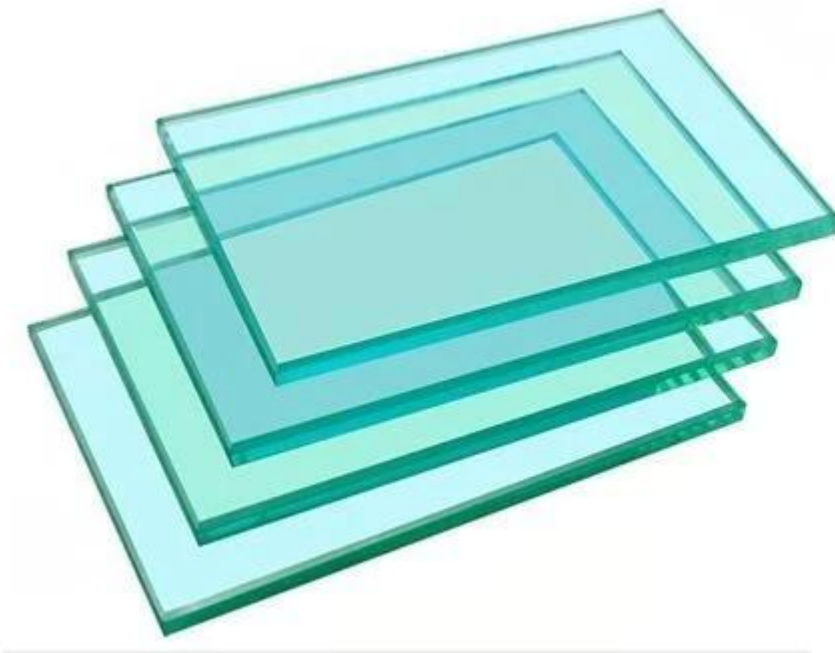
In accordance with ASTM1048 American Standard

In accordance with GB 9963-1998 Tempered Glass Standard

In accordance with GB 17981-1999 Chinese Standard Tempered and Heat-Strengthened Glass

Pass Chinese Safety Glass Compulsory Certification (CCC), IGCC, CSI.

### **8mm clear tempered glass**



### **Tempered glass machine and warehouse**



**Tempered glass strong wooden crate packing and safety loading**

