

# Excellent quality 5mm-19mm low iron clear tinted tempered float glass with good price



## 1, What is tempered float glass?

Tempered float glass is made by processing a large float glass sheet to cut to custom size glass panels and later edgeworked before entering the tempering furnace. After enduring the 700 degrees temperature in the tempering machines for several minutes and later cooled down by a strong wind jet to make the glass surface in a compressed status whereas the interior still in tension. This tempering process is also called glass quenching. Tempered float glass will be 5 times stronger than normal float glass, with tempering stress over 90Mpa, which can endure a strong impact without breaking.



### *Large size tempered glass*

Even when the tempered glass is broken due to extremely high impact, the glass will be shattered into small pieces which will be harmless to humans, therefore it is also called safety glass.



*tempered glass breakage vs float glass breakage*

## 2, Tempered glass properties

Glass product	Tempered float glass
Glass color	Low iron, clear, green, blue, grey, bronze, dark, pink, etc
Glass thickness	5mm~19mm
Glass shape	Curved/flat
Glass types	Half tempered glass, fully tempered float glass, decorative tempered glass, <a href="#">heat soaked test</a> tempered glass, <a href="#">patterned tempered glass</a> , etc.

<b>Further process</b>	<a href="#">Digital printed</a> , ceramic frit, frosted, coating, etc
<b>Functions</b>	Safety fencing/decoration/cladding, etc
<b>Applications</b>	Padel court, facade, windows, doors, <a href="#">railing</a> , balcony, balustrade, etc.
<b>Quality</b>	Subject to CE & ASTM & ISO9001, etc
<b>Packing</b>	Strong plywood crates to ensure the safety
<b>Max size</b>	3200*12000mm
<b>Capacity</b>	6000SQM/Day

### 3, What is the difference between annealed float glass vs tempered glass?

Item	annealed float glass	tempered glass
<b>Strength</b>	20Mpa	90Mpa
<b>Breakage</b>	Pieces with sharp edges	Small particles with obtuse angles
<b>Heat thermal stability</b>	Normal	Good can endure high up to 250℃
<b>Safety glass</b>	No	Yes



## 4, What are the applications of tempered glass?

Fully tempered float glass has super high strength and safety function, therefore most construction projects such as facade, railing, windows, doors, shower room, showcase, etc will adopt it.



*Tempered glass applications*

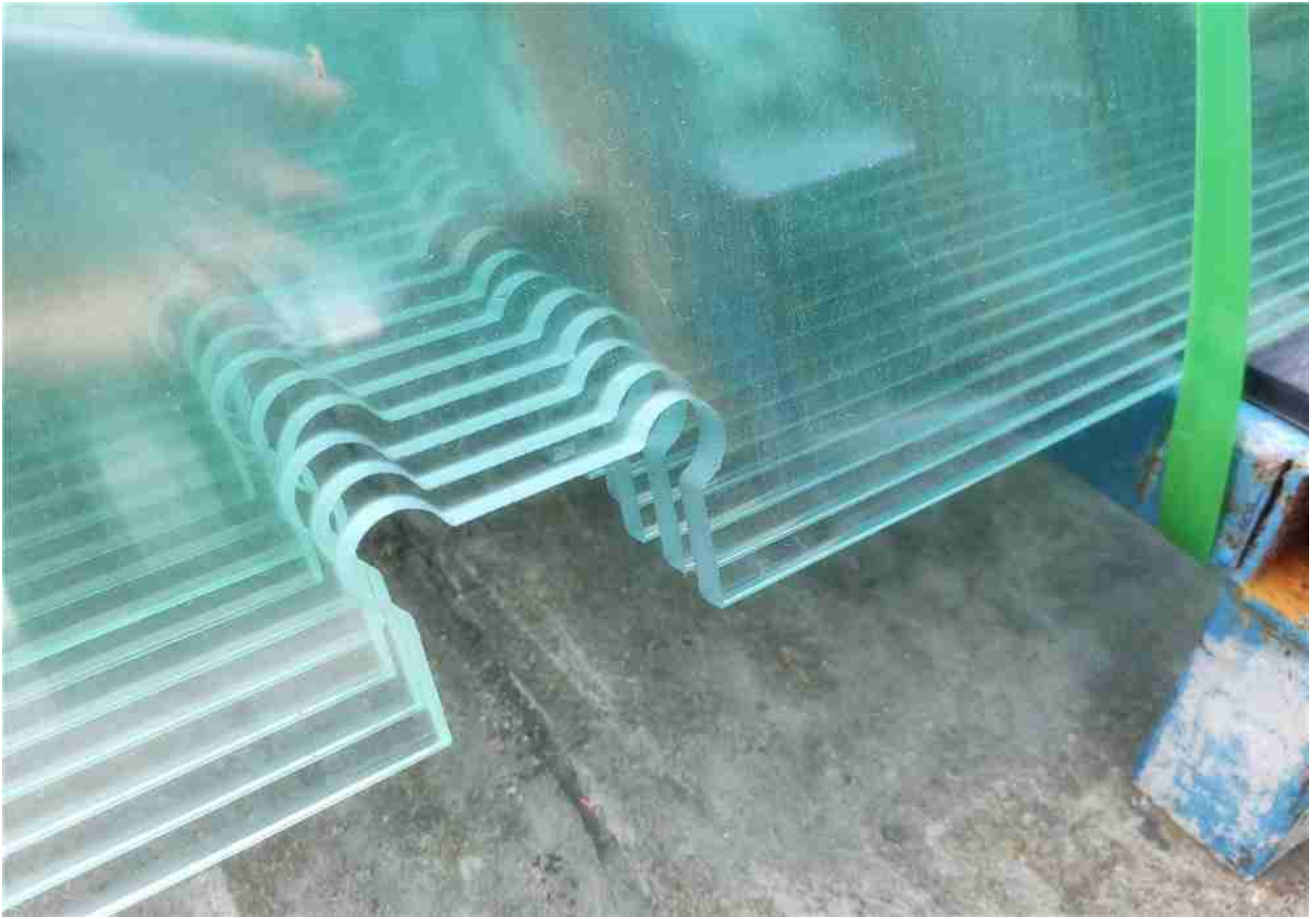
## 5, How to produced tempered glass?

As one of Chinese professional tempered float glass manufacturers since 1994, [Shenzhen Dragon Glass](#) offers super high quality tempered glass. The production process as below:

1. Cut the float glass products to custom size;
2. Edgework;
3. Drill holes according to CAD drawings;
4. Transfer the glass to tempering furnace;
5. Strong plywood crates packing.



*Tempered glass process*



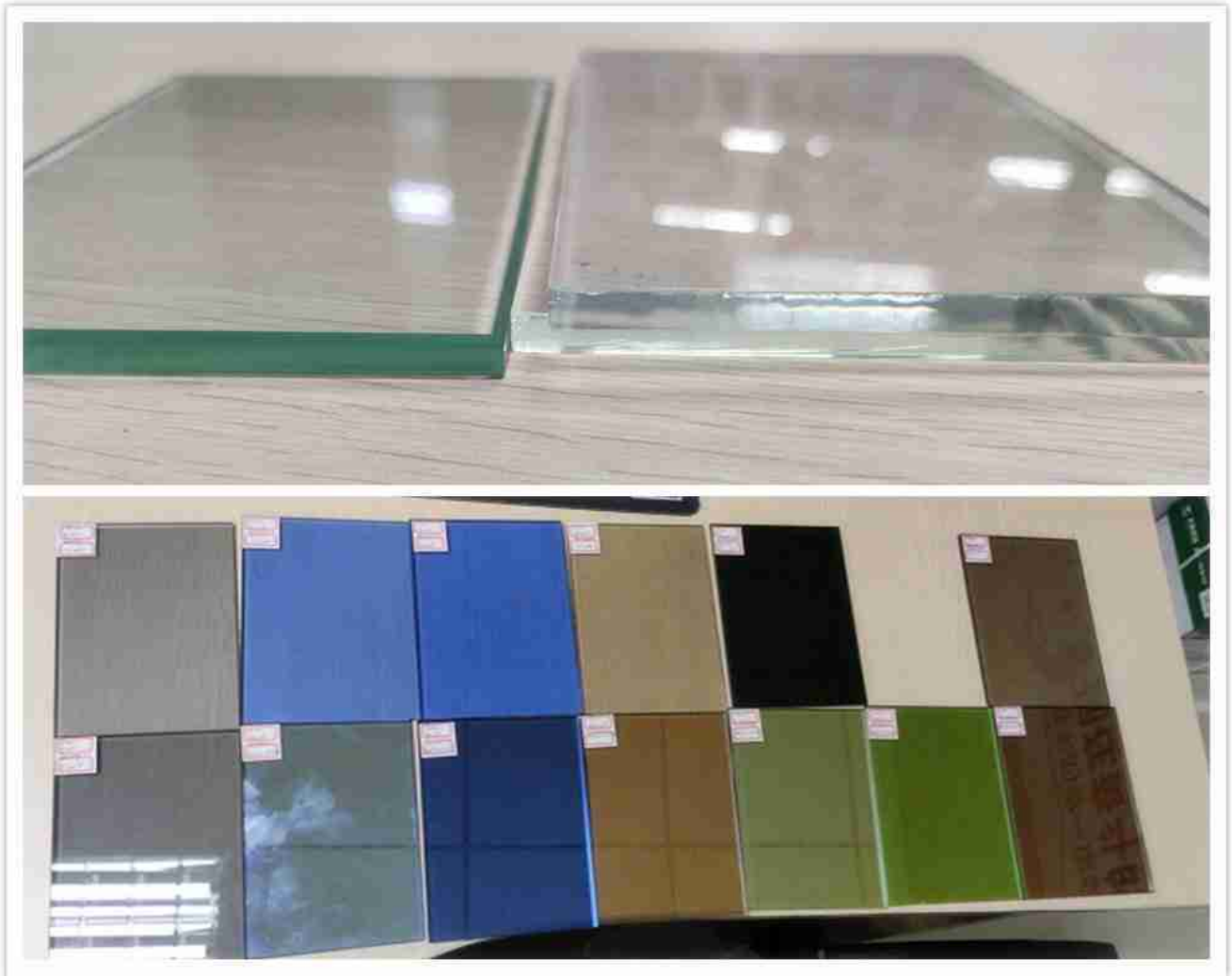
*accurately processed tempered float glass*

## **6, Shenzhen Dragon Glass tempered glass products details**



Fine polished tempered glass VS matt polished tempered glass:





*Clear glass VS low iron glass VS tinted glass*



*Curved tempered glass VS flat tempered glass*

## 7, Certifications





*Strong plywood crates packing to ensure tempered glass products safety during long distance transportation.*

**If you have any inquiries about tempered float glass, [welcome to contact us now!](#)**