

# Grade A Quality 12mm Curved Tempered Low Iron Glass Manufacturer in China

## About 12mm Low iron tempered curved glass:

Low iron tempered curved glass also called ultra clear tempered curved glass, super clear curved tempered glass and super white curved glass.

Low iron glass is manufactured with a reduced iron content making low iron glass clearer when viewed through the surface of the glass. The reduction in iron content both increases light transmission and reduces the greenish tint seen in regular clear glass that is most apparent when viewed from the edge.

The tempered curved Low iron glass is produced through the mold shaping by computer control and then quick cooling, it possesses characteristic of both hot bent glass and tempered glass. It is a high-quality, multi-functional new high-end glass products. Low iron tempered curved glass is available upon customized sizes.

## 1. Advantage of low iron tempered curved glass

**Good Permeability:** by reducing the iron content you reduce the greenish tint, while increasing light transmission, brightness and clarity.

**Safety:** Glass is not easy to be broken when attacked. Broken glass particle is of honeycomb shape with obtuse angles which won't cause serve hurt to human body.

**High Mechanical-resistant strength:** Impact-resistant strength of tempered glass is 3-5 times higher than that of [12mm low iron glass](#).

**Thermal stability:** Thermal stability of curved tempered glass is 3-5 times higher than that of float glass of same thickness. Tempered curved glass can withstand sudden temperature shift of 220-250 degree while float glass can only withstand shift of 70-100 degree.

**Good flexibility:** Deflection angle of curved tempered glass is 3-4 times larger than that of [12mm clear float glass](#). When there is load on tempered glass, its maximum tensile stress does not locate on the glass surface as float glass, but on the centre point of glass sheet.

## 2. Application of low iron tempered curved glass:

The super white curved glass is used in where high security is required like:

- Jewelry showcase, tabletops

- Store and mall fronts
- Balustrades and elevator enclosures
- Skylights, vaults, slope glazing
- Many other safety glazing
- Museum glass shelves

### **3. Specification of ultra clear tempered curved glass:**

Thickness: 5mm 6mm 8mm 10mm 12mm 15mm 19mm

Size: Max: 5600mm\*2400mm, Mini: 400mm\*600mm

5-6mm mini radius: 1000mm

8-12mm mini radius: 1500mm

15-19mm mini radius: 2000mm

Processing: All the processing like beveling, cutting, drilling, etc. must be done before tempering.

Type: Single or laminated ultra clear glass, ultra clear [\*insulated glass\*](#),

### **4. Quality Standard:**

In accordance with BS6206 British Standard

In accordance with CE Standard

In accordance with AS/NZS Standard

In accordance with GB 9963-1998 Tempered Glass Standard.

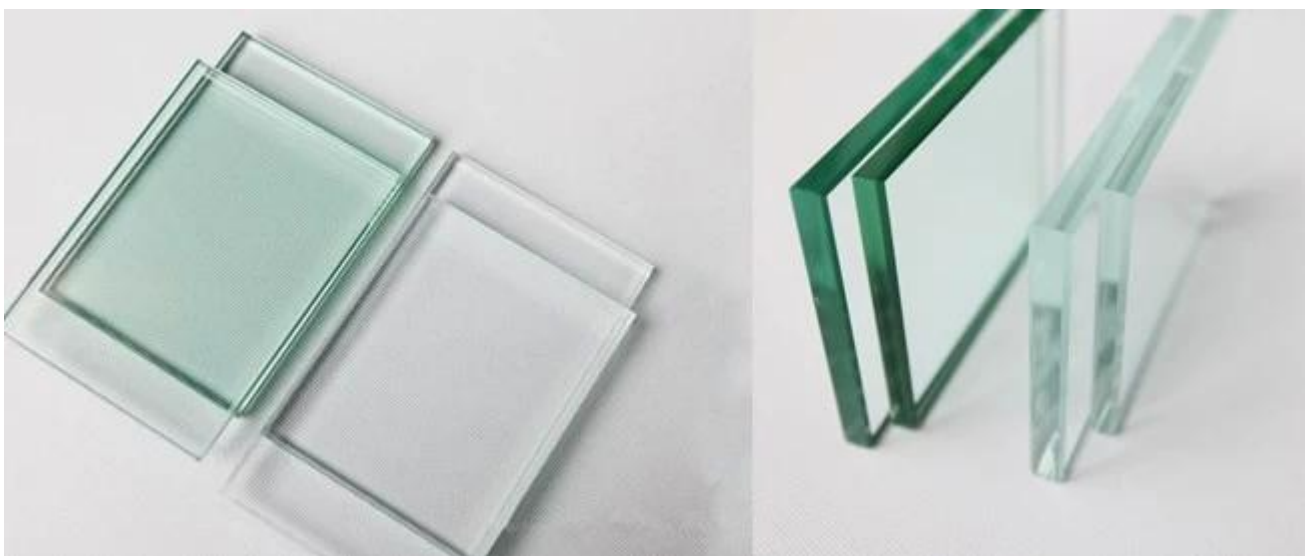
In accordance with GB 17981-1999 Chinese Standard Tempered and Heat-Strengthened Glass Used in Curtain Walls.

Pass Chinese Safety Glass Compulsory Certification (CCC).

### **12mm Low iron tempered curved glass:**



**Compare low-iron float glass and clear float glass-more clear edge,without the green tint of standard float glass**



**12mm Low iron tempered curved glass used for balustrade:**



**China Curved Tempered Glass Machine**



**China Curved Glass Safety Loading**

