

High Quality 19mm Safety Tempered Glass China Manufacturer

About 19mm Tempered Glass

19mm tempered glass, also call 19mm toughened glass, 19mm hardened glass, 19mm reinforced glass, 19mm ESG glass. It is well-known as high safety glass, mainly processed from [19mm colorless float glass](#) and 19mm ultra clear [low iron float glass](#), 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.

Types of 19mm Safety Tempered Glass

With different float glass and different processing, we have 19mm clear tempered glass, 19mm low iron tempered glass, 19mm frosted sandblasted tempered glass, 19mm screen printing tempered glass, 19mm ice cracked tempered glass, 19mm digital printing tempered glass, 19mm [curve tempered glass](#), etc.

Characteristics of 19mm Tempered Glass

- **High Strength.** The tempered glass can resist bending and hitting very well because its strength is about 5times higher than normal annealed glass.
- **High Safety.** The tempered glass is human harmless, because it turns into obtuse angles granules when it is broken. And the tempering process greatly reduces the risk of the glass thermal breakage, which could help reduce 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.
- **Special processing.** After the tempered glass is finished, we couldn't do any process on it. So if need to custom cut to size, drill holes, polish edges, cut notches, etc. we should do them before tempering.

Performance Comparison of Different Glass

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 of 19mm Tempered Glass

Size: Maximum 3000*8000mm, Minimum 150*300mm, any custom cut size

Color: Glass original available color is clear and ultra clear, and could paint any color on it

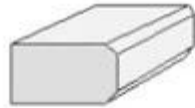
Shape: Rectangle, round, Trapezoid, parallel, etc.

Edge: Flat polished edge (T edge), pencil edge (C edge), beveled edge, ogee edge, matt edge, corner round edge, etc.

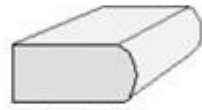
Application of 19mm Tempered Glass

The 19mm tempered glass is a kind of high safety glass, it is widely used on the place where need high strength, such as, [safety glass balustrade](#), [decorative table top glass](#), kitchen counter top glass, etc.

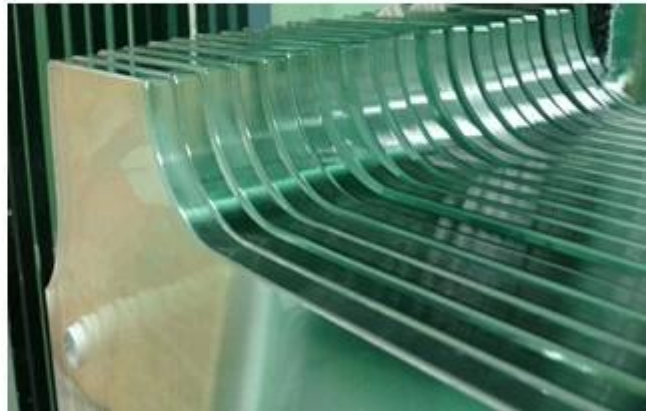
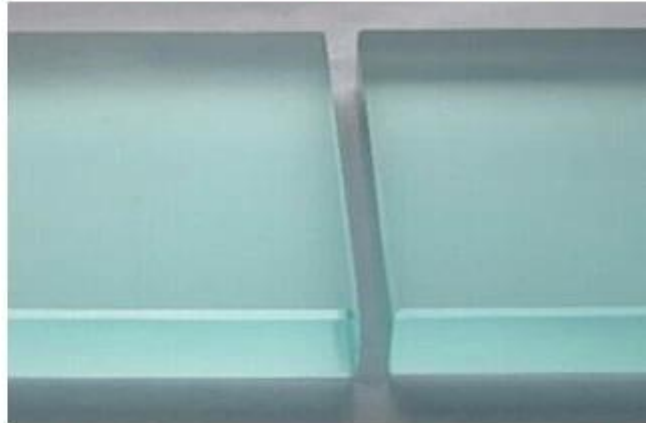
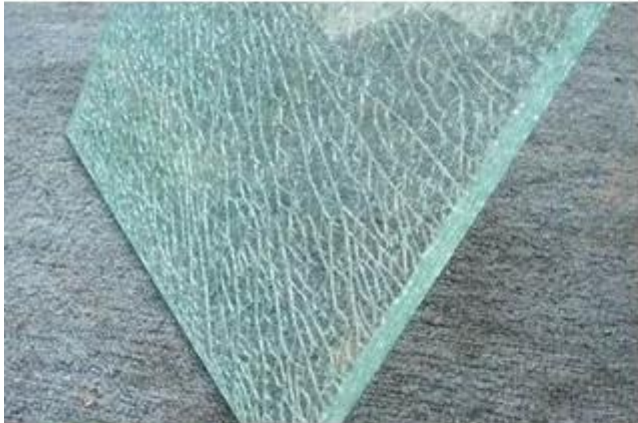
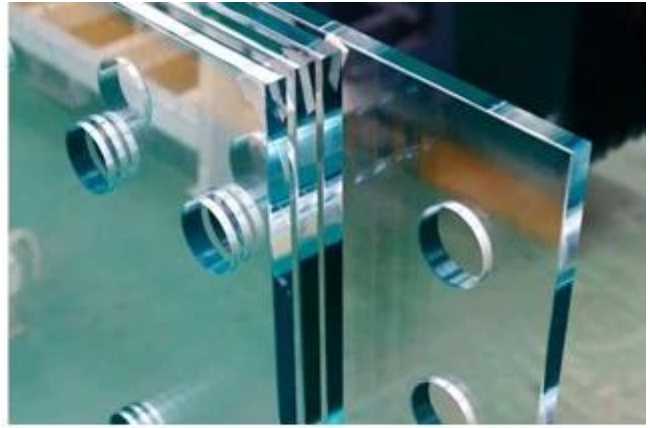
19mm Decorative Safety Tempered Glass



Flat Polish



Pencil Edge



Tempered Glass Furnace



Tempered Glass Safety Packing

