

China professional Half tempered toughened glass factory, heat strengthened building glass factory

What's the heat strengthened glass?

[heat strengthened glass](#), also called semi-tempered glass, half tempered glass, compared with tempered (ESG) glass, half toughened glass is also heat rapidly and evenly to a temperature above 600°C, but the cooling process is not the same as the introduction of cold air is carried out in a significantly different manner. Flexible strength and resistance to temperature differences of semi-tempered glass are somewhere between those of normal float glass and tempered(ESG) glass. The structure after fracture is equal to the normal float glass.



The features of half tempered glass

1. Glass thickness: 3mm heat strengthened glass, 4mm heat treated glass, 5mm half tempered glass, 6mm half toughened glass, 8mm semi-tempered glass, [10mm heat strengthened glass](#), 12mm heat strengthened glass, 15mm half tempered glass, 19mm semi-toughened glass
2. Glass size: max size 3300x13000mm, mini size 300x300mm
3. Glass color: clear, ultra clear, bronze, blue, green, gray, acid etched, sandblasting, etc.
4. Special processing: drill holes, cutout, polished edge, logo printing, etc. all need to be done before heat treated.



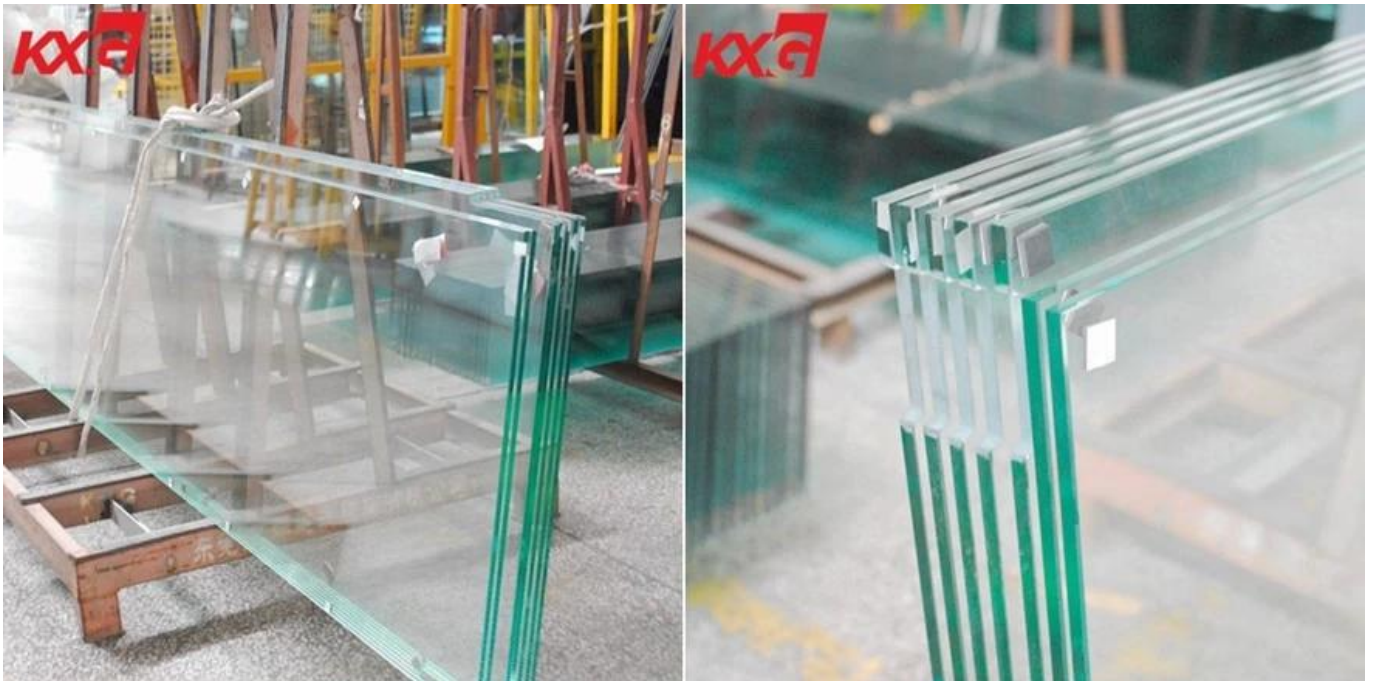
Know more about heat-strengthened glass and fully tempered glass

1.No matter half tempered glass or full tempered glass,special processing like cutting, hole-drilling, notching or edge working before heat-treated.

2.Heat strengthened glass is about twice as stronger as annealed glass. full tempered glass is 4-5 times stronger than half tempered glass.

3.Cooled rapidly, to be full tempered safety glass. Slower cooling produces heat-strengthened glass.

4.Safety: tempered glass is the safety glass, it will shatter sin to tiny particles, reducing the potential for serious injury;



The applications of semi-tempered glass

Heat strengthened glass is widely used in [laminated glass](#) for additional strength, for instance, in overhead and sloped glazing; or to be made as half tempered insulated glass, used for window, facades, and so on.

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