

China high quality heat soaked laminated safety glass manufacturer

Heat soaked tempered laminated glass which is made by two hardened (tempered) glass by heat soak test bonding together with interlay of PVB film or SGP film. It can be flat heat soaked toughened laminated glass or curved heat soaked toughened laminated glass, PVB heat soaked tempered laminated glass, SGP heat soaked tempered laminated glass, transparent heat strength tempered laminated glass, colored heat strength toughened laminated glass, etc.

What is heat soaked testing glass?

[Heat soaked testing glass \(HST\)](#) is an additional process applied to thermally [tempered glass](#) only.

After tempered processed, temperature rise again, temperature up to 280 degrees C to 300 degrees C, after temperature rise and then natural cooling, if the glass with defective items like impurity, bubbles and so on, it will be all self-explosion, after heat soaked test, the glass self-explosion rate nearly on zero. In a word, heat soaked testing glass is change of environment of nickel sulphide inclusions, to make the possible self-explosion to be finished self-explosion, then the glass is safety.

Heat-soaking testing after toughened glass fabrication may destroy some flawed glass panels, but the procedure does not guarantee 100% elimination of nickel sulfide inclusions. In addition, the heat-soaking procedure can increase costs, cycle times and scrap rates.

All works on heat soak tested thermally toughened safety glass must be carried out prior to the toughening process.

Characteristics of tempered laminated glass:

1 high strength. The impact strength of tempered glass of the same thickness is 3 to 5 times that of [anneal glass](#), and the bending strength is 3 to 5 times that of ordinary glass.

2 security. When the glass is destroyed by external force, the fragments become small, obtuse-angled particles resembling honeycombs, reducing damage to the human body.

3 thermal stability. Tempered glass has good thermal stability and can withstand a temperature difference of three times that of ordinary glass, and can withstand a temperature difference of 200 °C.

Tempered laminated glass vs tempered glass

The tempered laminated glass is safely broken and may break under the impact of heavy balls, but the

whole piece of glass remains integral, and small granule still stick to the interlayer film. Tempered glass needs a large impact force to break, once broken, the whole glass bursts Innumerable fine particles, only a small amount of broken glass in the frame.



**tempered glass broken
with normal external force
cubical debris won't fall down**



**tempered glass broken
with very strong external force
cubical debris will fall down**

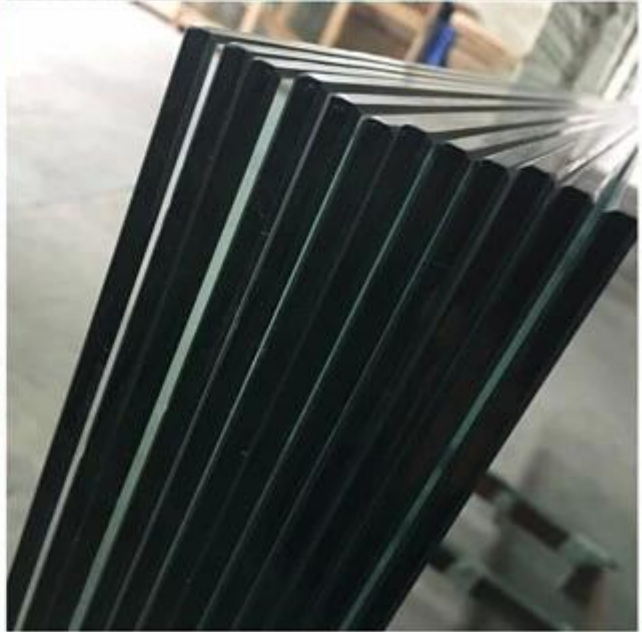
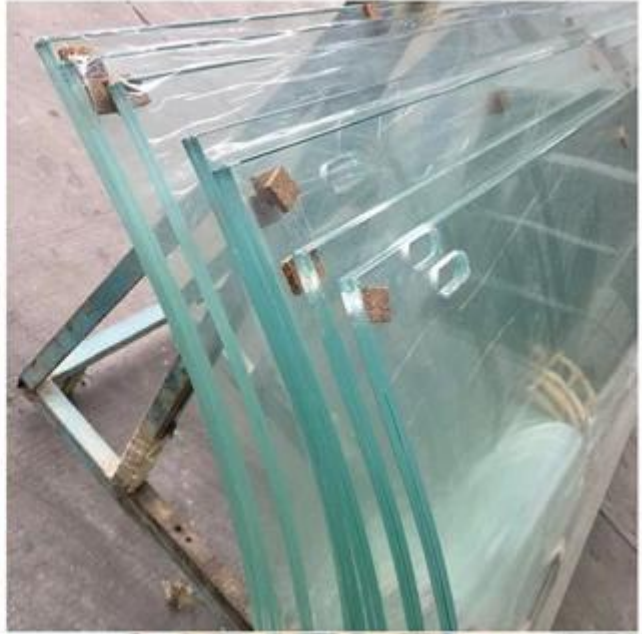
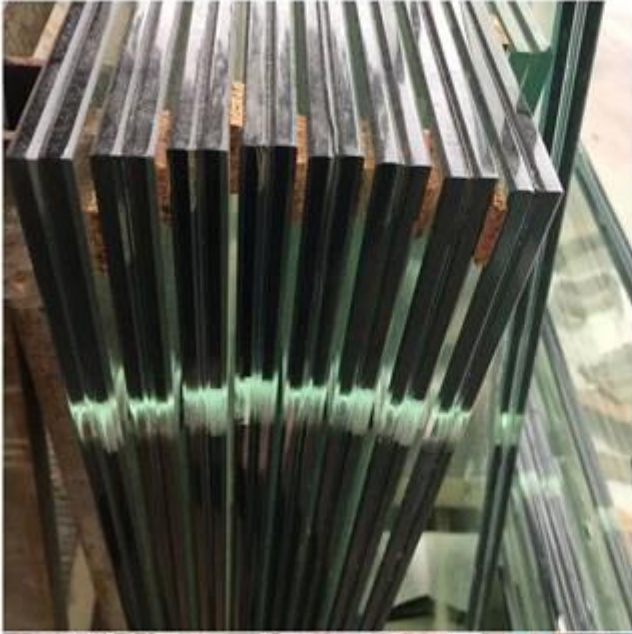


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Flat and curved heat strength tempered laminated glass



How to production heat soaked laminated glass?



Heat soaked tempered laminated glass application

