

Safety tempered glass 10mm 12mm heat soaked toughened glass manufacturer China

12mm clear toughened [heat soaked glass](#)

12mm clear toughened glass, made by 12mm clear glass via a thermal tempering processing as safety glass. Due to tempered glass have possibility for self-explosion, to minimize the risk of spontaneous tempered glass breakage due to nickel sulphide inclusions within the glass installed in a building, the heat soak tested glass is come into being.

Heat soak tested, HST, also called hot-dipping test or igniting test, refers to the method of re-heat-treatment after armoring, it is a method to avoid self-explosion effectively, which is a pane of toughened glass is subjected to temperatures of 280° for several hours over a specific temperature gradient, to induce fracture.



KXG 12mm heat soaked tested glass features

- 1) Max size in 3300*13000mm, customized size is ok.
- 2) Color: clear, ultra clear, green, blue, bronze, etc
- 3) Type: 12mm clear float glass, 12mm ultra clear glass, [12mm bronze glass](#), 12mm grey glass, 12mm blue glass, 12mm green glass, 12mm acid etched glass, etc.
- 4) Shape: flat 12mm heat soaked glass or curved 12mm heat soaked glass are available.
- 5) Special processing, like flat polished edge, beveled edge, round safety corner, drill holes, ..., all need to be finished before tempering. Holes finished by your CAD draft, logo printing also can be finished by AI file, etc.



Advantages of 12mm heat soaked tempered glass

As 12mm heat soaked testing glass, it is made by increasing the temperature of 12mm tempered glass up to $290^{\circ}\text{C}\pm 10^{\circ}\text{C}$, that's reason that heat soaked tested glass also have the same characteristics and advantages of tempered glass.

- 12mm heat soaked tempered glass, it is more than 4-5 times harder than 12mm float glass.
- 12mm heat soaked tempered glass, which is one of the safety glass, even it is broken by outside force, it have no harmful to humans.
- 12mm heat soaked hardened glass, high light transmittance, anti-UV.
- Easy to install and clean, long time maintain.
- Reduce the potential for spontaneous breakage, improved to provide even greater assurance.
- 12mm heat soaked toughened glass, perfect to make as 12+12mm heat soaked tempered laminated glass, 12+12mm heat soaked [tempered insulated glass](#).



KXG heat soaked safety glass applications

[Heat-soaked tempered glass](#) is recommended where the risk of spontaneous breakage would cause difficulty, either from a replacement point of view, or where falling glass fragments may be unsuitable, such as roof or high rise glass facades, balustrades, screens and high level curtain wall, etc.

12mm heat soaked tempered glass testing, it is widely used for glass door, glass balustrade, glass table top, etc.

HST 12mm tempered glass, when it made as 12+12mm heat soaked laminated glass, it will widely used for skylight, balustrade, interior and exterior wall, etc.

12mm heat soaked reinforced glass, when it made as 12+12mm heat soaked insulated glass, it will widely used for window, curtain wall, skylight, high-rise office buildings.

