

8mm clear tempered glass cost- manufacturer price clear tempered glass exporters- China manufacturers 8mm clear toughened glass

Tempered glass is a safety glass. Tempered glass is actually a type of prestressed glass. In order to increase the strength of the glass, chemical or physical methods are usually used to form compressive stress on the surface of the glass. When the glass is subjected to external force, the surface stress is first off set, thereby improving the bearing capacity and enhancing the resistance of the glass it self. Wind pressure, cold and heat, impact and so on.



HighStrength glass

Tempered glass performs well in resisting bending and hitting owing to its high strength which is 3 to 5 times that of normal annealed glass. It is able to withstand a surface pressure of 90Mpa.

Safety glass

When the tempered glass is broken, it turns into alveolate granules with obtuse angles, which guarantee safety to make sure human harmless, and the toughening process greatly reduces the risk of thermal breakage to ensure less loss.

Heat Stability

The tempered glass is capable of with standing a temperature change about 250 while normal annealed glass can only bear 20 to 100°C.



Performance

Feature	Tempered Glass	Semi-tempered Glass	Normal annealed glass
Safety	Best	General	None
Intensity	150Mpa	100-150Mpa	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
Self-explosion	Sometimes	Seldom	Never

Application

1. Glass Balustrades
2. Glass skylights

- 3. Glass [canopy](#)
- 4. Shower shelves
- 5. Glass [doors](#)
- 6. Glass windows
- 7. Frameless entry and balustrading

Tempered glass loading in KXG

