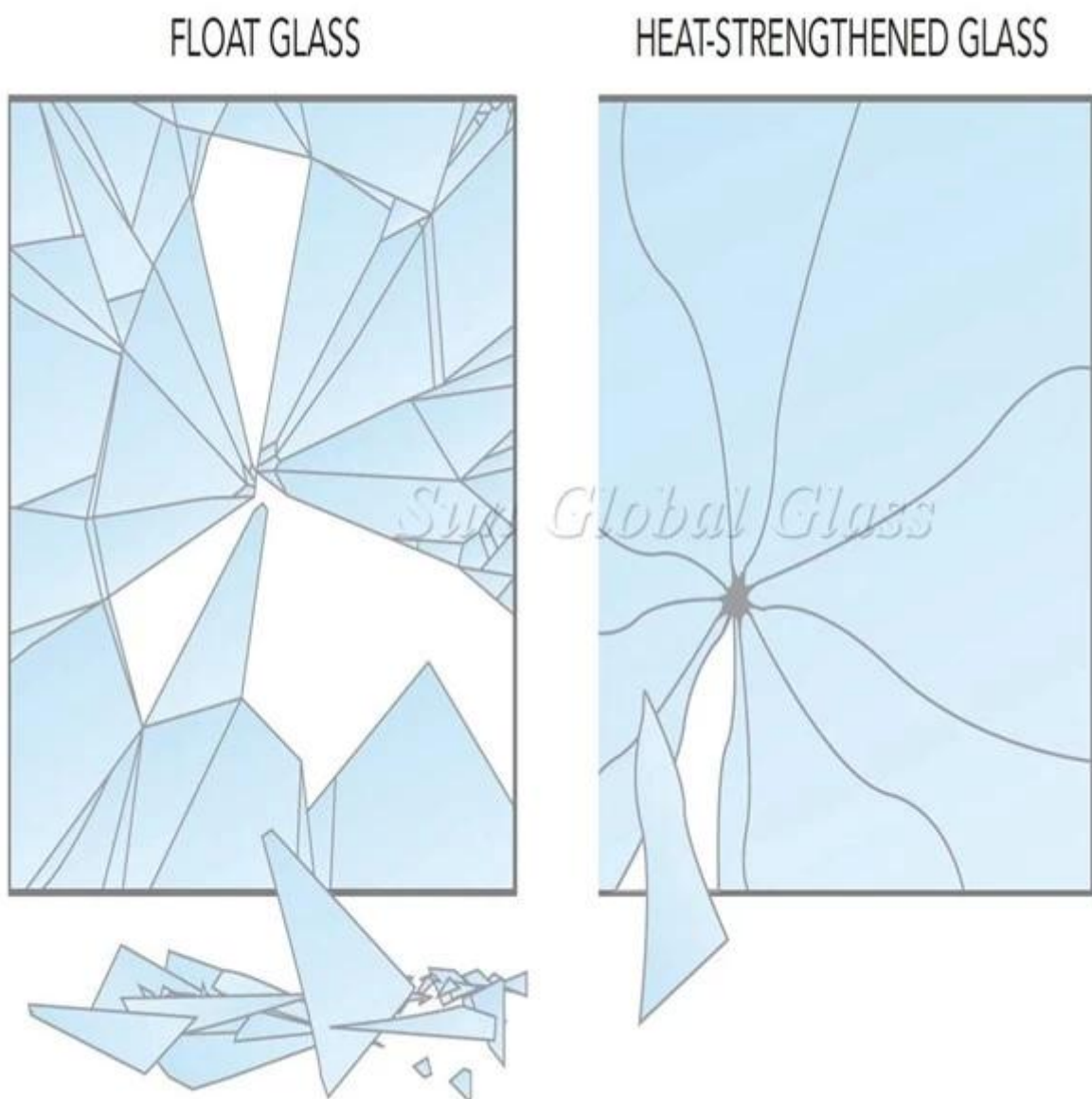


## 5mm heat strengthened glass

Actually the process of Heat strengthened glass is similar to [tempered glass](#), The difference between them is that heat strength glass cooling time longer than full tempered glass. Heat the annealed glass to the temperature approximately 650-700 ° C. Heat strength is about twice stronger than annealed glass. Heat Strengthened glass has been strengthened thermally by inducing a surface compression of 6000 to 9000 psi as compared to a range of 11000 to 20000 psi in case of fully tempered glass

Features of heat strength glass:

1. its mechanical strength is about 1.6-2 times than annealed glass.
2. Heat strength glass has perfect thermal stability, the flatness of light transmission is close to annealed glass. The flatness of heat strength glass much better than tempered glass.
3. Heat strength glass is not exist spontaneous breakage



## **Application of 5MM Heat-Strengthened Glass:**

Can be applied on processing for laminated glass, The most application is for glass curtain wall, glass railing etc.

### **The difference between heat strength glass and tempered glass**

#### 1.Strength

Heat strength is 2 times stronger than annealed glass in the same size and thickness

Full tempered glass is 5 times stronger than annealed glass in the same size and thickness

#### 2.Safety

Heat strength glass is not safety glass,the fragments is sharp.will do harm to human body.

Tempered glass is a kind of safety glass.The fragments is not sharp.

#### 3.Spontaneous breakage

Heat strength glass do not exist the risk of spontaneous

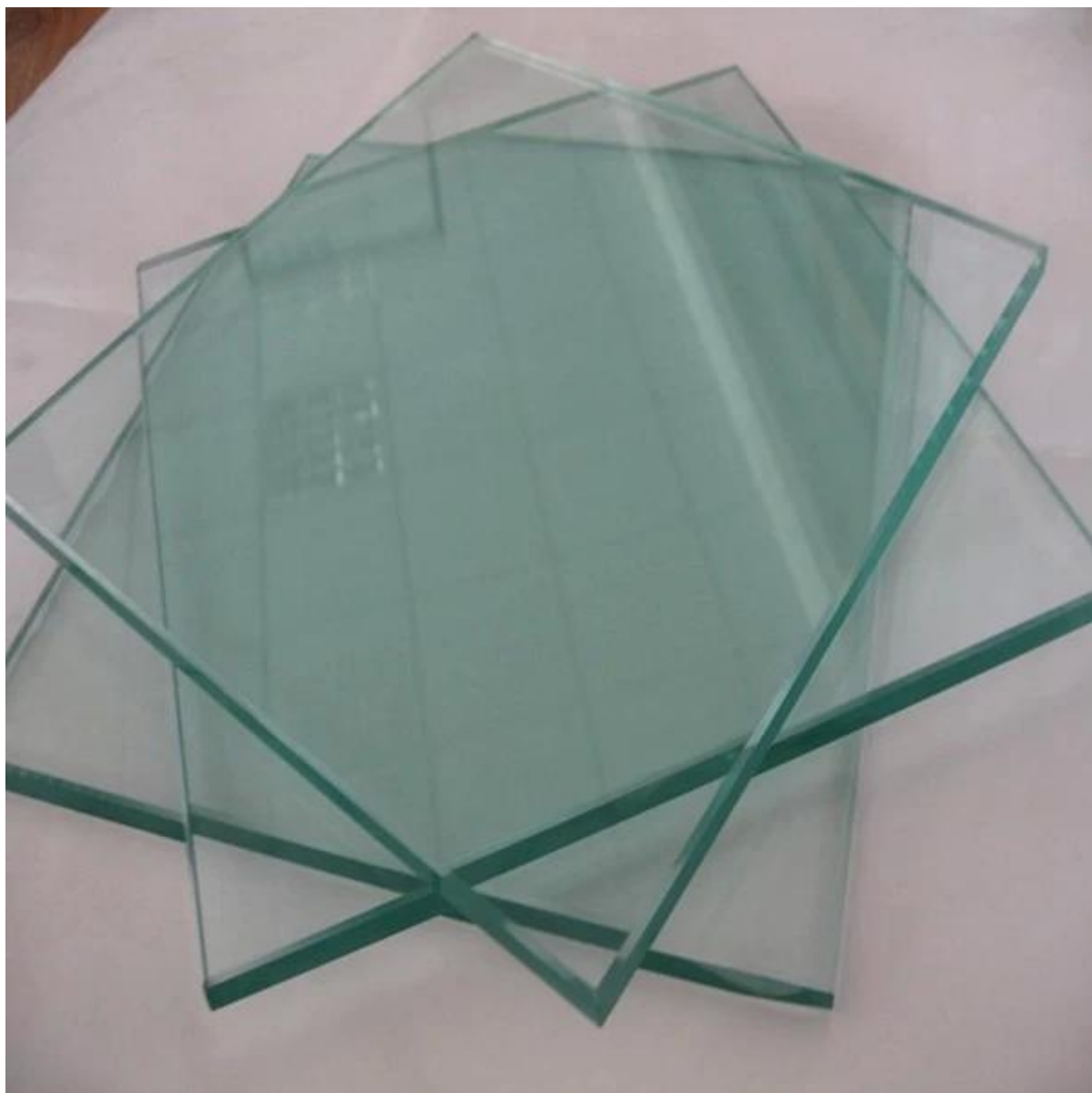
Tempered glass has the risk of of spontaneous

#### 4.Surface compression

The compression of heat strength glass is about 60kpa-90kpa

Full toughened glass is about 11kpa to20kpa

## **Product Details:**





**Packing:**

