

## 4mm half tempered glass

Heated treatment glass includes Heat Strengthened Glass (half tempered glass), Tempered Glass (Full tempered glass) and Heat Soaked Test Glass (HST glass), the procedure of processing requirement depends on the glass specific application. Glass thickness can be 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, and 19mm.

### Specification:

Glass Type: Heated Glass

Glass Product Name: Heat-Strengthened Glass

Other Name: Half Tempered Glass, Heat Strengthened Glass, or Heat Strength Glass

Glass Thickness: 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, and 19mm

Glass Substrate: clear float glass, extra clear float glass, tinted glass, reflective glass, and low-E glass, and so on.

Processing Services: can be acid etched, sandblasted, laminated, edge grinding, silkscreen printed, etc.

Application: can be applied on glass glazing for laminated glass or insulated glass. Normally used for glass facade, glass canopy, glass swing, etc.

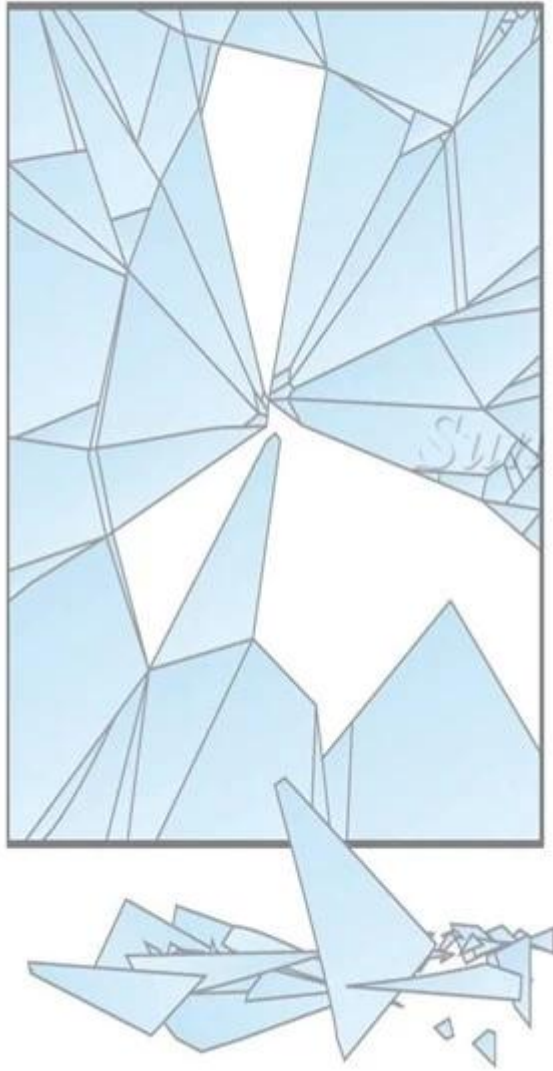
In the section 4MM Heat-Strengthened Glass is a customized product, which are made of 4MM Anneal Glass cut into splices, glass substrate can be [4MM Clear Float Glass](#), [4MM Ultra Clear Float Glass](#), 4MM Tinted Glass, 4MM Reflective Glass, or [4MM Low E Glass](#), Shenzhen Sun Global Glass Co., Limited can arrange production any custom size and shape against client's drawings.



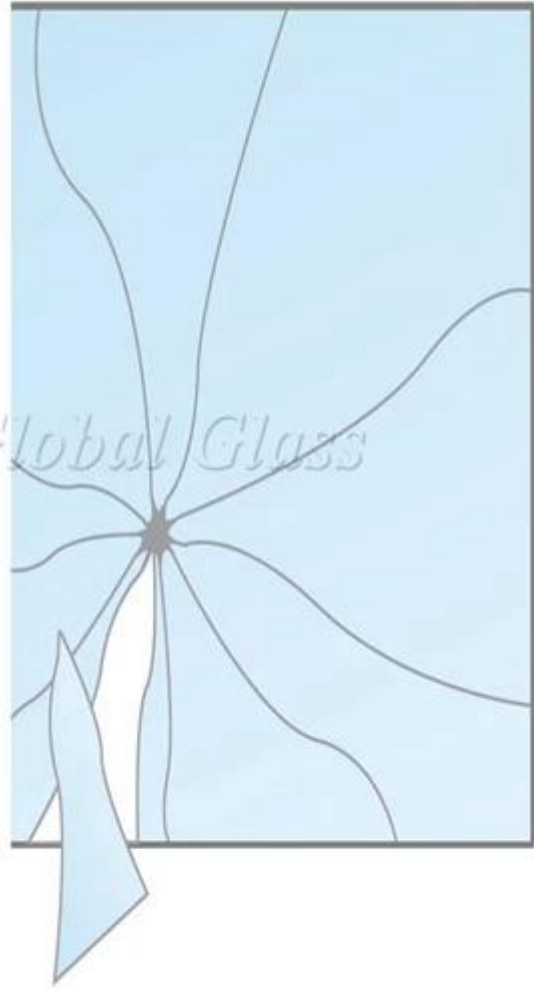
### **Features of 4MM Half Tempered Glass:**

1. production using the same processing equipment as full tempered glass
2. Heating the glass approximately 1200 degrees, then force-cooling it to create surface and edge compression. Be precaution the cooling time must be take longer time than tempered glass, which means the compression strength is lower.
3. 4MM Heat Strengthened Glass is NOT a safety glazing by building code, but this breakage pattern prevents the glass from falling and injuring someone. In the end, 4MM heat-strengthened glass is approximately twice as strong as 4MM float glass, or untreated glass.

FLOAT GLASS



HEAT-STRENGTHENED GLASS



### **Application of 4MM Heat-Strengthened Glass:**

1.Can be applied on processing for laminated glass, such as: 4mm half tempered float glass +2 Clear PVB film+ 4mm half tempered float glass; 4mm half tempered float glass+0,89 SGP sentry film+4mm half tempered float glass, etc. The most application is for glass canopy, glass curtain wall, glass swings, and so on.

### **What is advantage of Heat Strength Glass?**

- 1.Heat-strengthened glass don't exist spontaneous explosion.
2. It is a typically specific glass when additional strength is needed to resist wind pressure, thermal stress.
- 3.when broken occurred, the glass fragments are more similar in size and shape to annealed glass fragments and thus tend to stay in the opening longer than fully tempered glass particles

## Production:



## Packing:



