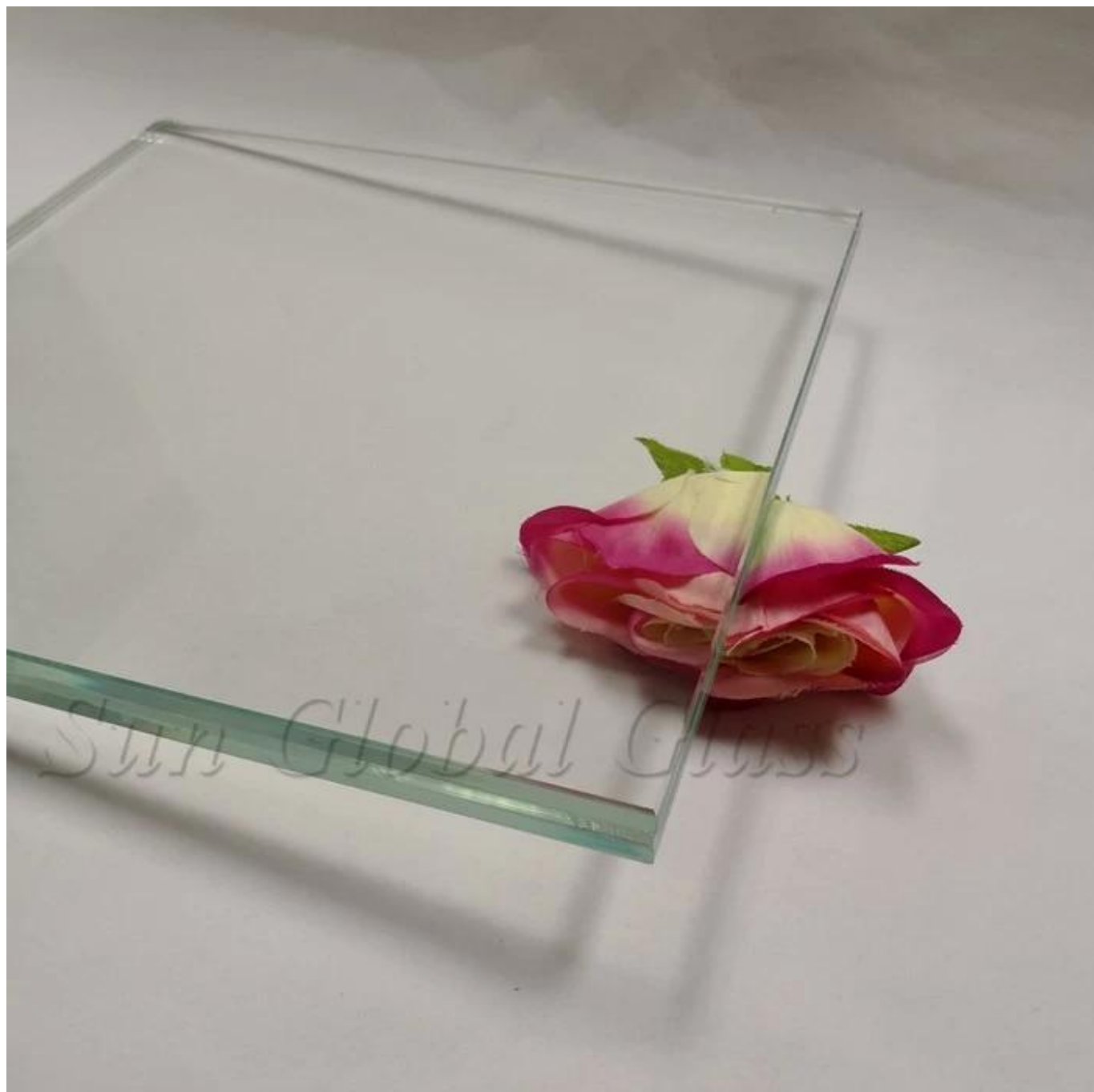


## SZG-Glass manufacturer-Building Glass-10mm+10mm SGP Ultra Clear Tempered Laminated Glass

**21.52mm SGP low iron tempered laminated glass** is also called 10mm+10mm SGP ultra clear toughened laminated glass, 21.52mm hurricane proof glass, 21.52mm SGP extra clear tempered sandwich glass and etc. It is always used in the hurricane-prone areas because of its function of hurricane protection. 21.52mm SGP low iron tempered laminated glass is produced via making two pieces of [10mm low iron tempered glass](#) inserted by 1.52mm SGP film, the two glass sheets will be tightly glued together by SGP film after heating and high pressure. 21.52mm SGP tempered laminated glass has the same safety functions as [21.52mm PVB or EVA laminated glass](#), but with higher strength, clarity, durability, versatile construction.

**Images of 10+10mm SGP low iron sentry tempered laminated glass:**





**Specifications:**

Glass name: 21.52mm SGP low iron tempered laminated glass

Other name: 10mm+10mm SGP low iron sentry tempered laminated glass, 21.52mm ultra clear SGP sentry toughened laminated glass, 21.52mm hurricane proof glass, 10mm+10mm SGP tempered sandwich glass, 21.52mm SGP extra clear laminated glass, hurricane resist glass, 21.52mm SGP safety glass, etc.

Composition: 10mm low iron tempered glass +1.52mm SGP + 10mm low iron tempered glass

SGP Interlayer thickness: 0.89mm, 1.52mm, 2.28mm, etc.

SGP brand: Du Pont or Saflex

Maximum Size: 3300M\*12M

Shape: Flat laminated glass, curved laminated glass

Glass types : clear laminated glass, ultra clear laminated glass, acid etched laminated glass, colored laminated glass, printed laminated glass, etc.

Package: Exportation wooden crates

Delivery: 7-15 days, urgent service is available

Container: 20'GP, 20'OT, 40'HC, etc.

**Notice:**

All processes such as drilling holes, polishing edge, rounding corners, cutouts, cutting notches, etc. must be finished before being tempered and then laminated.

**Features:**

- 1.Safety: The debris still stick to the film and won't fall off when the SGP laminated glass is broken.
- 2.Sound proof: The SGP laminated glass can block the sound transmission to a certain extent.
- 3.Optical performance: can reduce the transmission of sunshine.

**Technical Data of PVB and SGP film:**

Material Performance	SGP	PVB
Tensile Strength MPA	34.5	28.1
Tear Strength MJ/m <sup>3</sup>	50	10-15
Fracture Expansion Rate	400%	275%
Haze Degree	<<2%	<2%
Yellow Index	<1.5	6-12
Index of Refraction	1.5	1.47~1.5
Transmittance 6mm Clear+1.52mm+6mm Clear	89%	89%
UV Resistance Rate 3mm Clear+0.38mm+6mm Clear	99.9%	99.9%
Ignition Point	470℃	410℃
Flame Spread Index	30	60
Combustion Smoke Index	215	350

**Breakage test of tempered glass & PVB tempered laminated glass & SGP tempered laminated glass:**

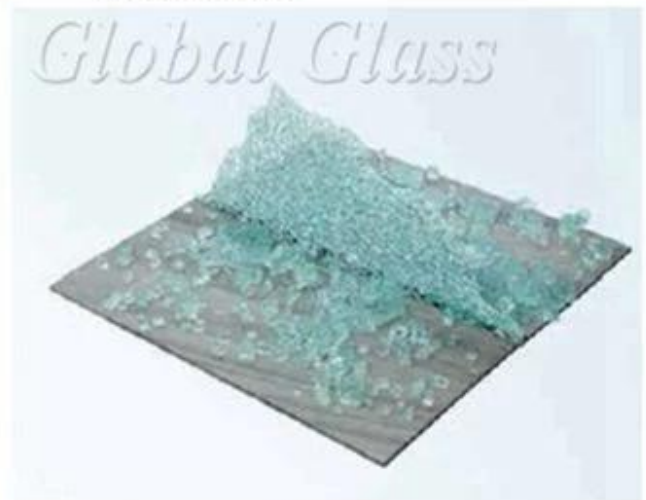




12mm Laminated Glass with  
SGP Interlayer



12mm Laminated Glass with  
PVB Interlayer



12mm Tempered Glass

### **Advantages of 21.52mm SGP low iron toughened laminated glass:**

- 1.SGP low iron laminated glass is much stronger than PVB/EVA laminated glass.
- 2.High transparency, you can enjoy a good view when you look through SGP ultra clear laminated glass.
- 3.The 21.52mm SGP tempered laminated glass can resist hurricanes.
- 4.The SGP laminated glass can be extended to bullet-proof glass.
- 5.Extremely durable and can keep flawless and transparent for a long time.
- 6.Compared to normal 21.52mm PVB toughened laminated glass, 21.52mm SGP ultra clear toughened laminated glass has higher strength, clarity, durability and so on.

### **Application:**

Because of the hurricane proof function, SGP laminated glass is widely used in the area in the hurricane or the seaside buildings.

1. Can be used as glass railings, balustrade.fence
2. Can be used curtain wall glass, facade.
3. Can be used as skylight, canopy.
4. Can be used as front glass.
5. Can be used as glass floor, doors, staircase.
6. Can be used as swimming pool fences.

3. Can be cut in different size or made of insulated glass for other applications.

**Quality standards:**

The SGP laminated tempered glass produced by SZG glass factory is up to standards as below:

1. Chinese Safety Glass Compulsory Certification (CCC) and ISO 9001.
2. BS 6206 certificate of UK safety glass standard.
3. EN 12150 CE certificate of European safety glass standard.

**Production:**



**S Z G**

**Professional glass manufacturer**



**Safety Packing & Loading:**





**S Z G**

Professional glass manufacturer

