

## SGP Laminated tempered Glass China factory, [toughened laminated glass](#) with 0.89mm,1.52mm,2.28mm SGP interlayer



Sentry glass® plus interlayer (SGP) for laminated safety glazing is the latest innovation in Dupont's family of glass laminating products, It extends the performance of laminated glass beyond current technologies. Sentry glass® plus inter layer offers 5 times the tear strength and 100 times the rigidity of conventional PVB inter-layer. Because of its added strength, clarity, durability, fabrication and installation ease, it is an excellent candidate for demanding applications in the architectural market place. It can offer improved ballistic protection or thinner constructions than are now possible with conventional laminated glass.

SGP laminated glass inter-layer tear strength is five times than the normal PVB, a hundred times hardness for PVB ,is the best material for made Bullet-proof glass.

SGP film with excellent adhesive strength of metal, can bond of online LOW E glass can be Energy-saving laminated glass, not only has anti sling security, but also with [Low E glass](#) energy saving function, possible to replace of Low E insulated glass.



### Specification

Size: Max 3000\*5000mm, Mini 300\*300mm, any customized size could be produced.

Thickness: glass substrates could be 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, etc.,SGP thickness 0.89mm, 1.52mm, 2.28mm,3.04mm, etc.

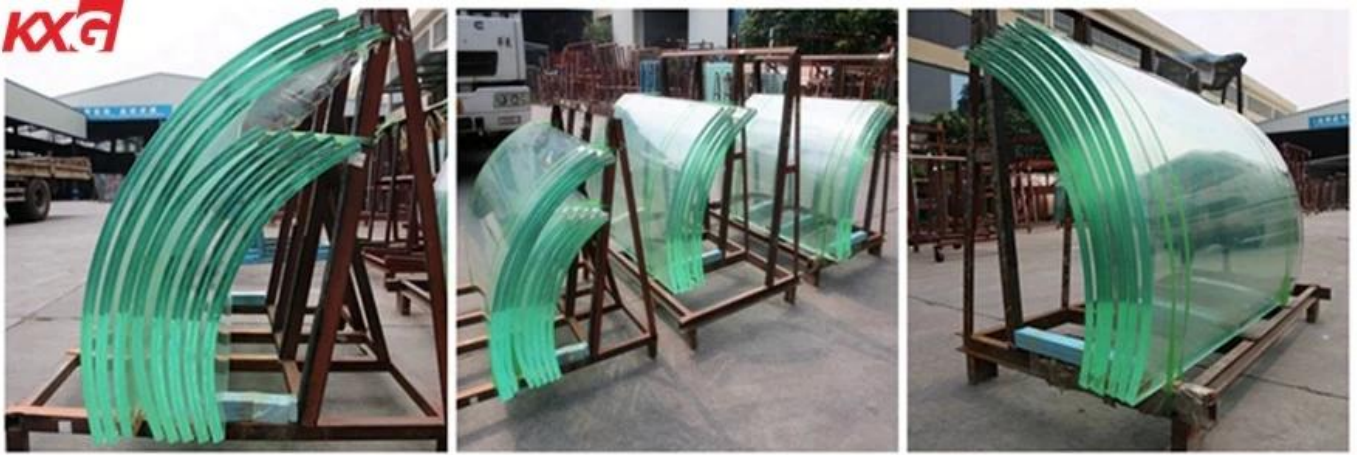
Glass type: Clear float glass, low iron float glass/ ultra clear float glass, tempered glass, low-e glass, acid etched glass, screen-printed glass, etc.



### SGP laminated glass characteristics

1. Compare with PVB laminated glass, the strength more higher, more transparent, the best configuration of super clear float glass
2. SGP laminated glass tearing strength is 5 times of [PVB laminated glass](#)
3. SGP laminated glass with high strength, can directly to use as the glass curtain wall structures
- 4.Can according to architectural design requires homogenization and heat soak process treatment





### **SGP safety Laminated Glass Additional Attributes**

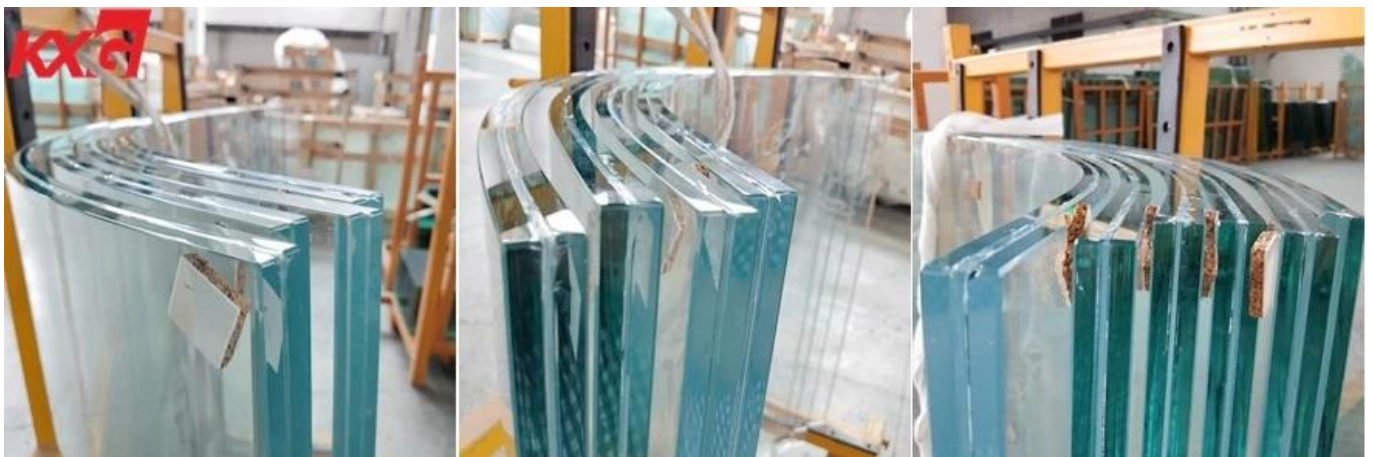
Fragment retention if broken.

Meets safety glazing standards.

Hurricane protection

Meets impact& cycling resistant standards.

Intrusion resistance and forced entry



### **The superiority SGP film compare PVB film**

SGP film laminated glass equivalent thickness = two glass panel plus

PVB film laminated glass equivalent thickness = single panel glass x1.25

### **SGP Laminated safety glass suit to use on below place:**

1. Easy happen to personal safety, such as street and sidewalk building glass windows, public buildings glass barriers, balcony doors and windows, interior partition stair glass and guard board, the typical building airport terminal, glass Roof, Glass patio, Tilt installation Glass Windows, even has hailstones and severe bad weathers, glass will not break damage the people.

2. Need to bulletproof, anti-theft, explosion-proof, put the hailstones on the building and that is required to

safely isolate visitors to observe place. Such as banks, museums, exhibition halls, jewelry stores and other places need to be transparent but there may be shooting, theft, robbery applied to the bulletproof laminated glass; has explosion hazard, toxic production and testing sites, it is necessary to observe the reaction, but also to prevent explosion and toxic and hazardous materials on human health impact, and also the need to use thick explosion-proof laminated glass to achieve the purpose

3.The Floor, glass corridor. SGP laminated glass can withstand greater pressure and can meet the needs of transparent observation, can be used for submarine window, deep water peep mirror, ornamental aquarium. After printed pattern glass on glass can made high-strength laminated glass can be used as special effects glass floor.

4. high-rise buildings, large public building safety glass. Modern buildings are getting higher and higher, more and more high-rise, the large buildings to withstand greater wind, earthquake and temperature changes in the impact of glass have higher capacity and rigidity, and if damaged but also have A certain remaining bearing capacity and will not fall, adopt SGP film production of laminated glass is more suitable for high and large building. The typical applications such as Guangzhou TV Tower height of 600 meters, Shanghai center the height of 632 meters.

5.Large specification construction glass. Modern building required the single panel glass size more and more larger, adopt SGP film production of more than 10 meters long construction glass or glass column, its security, ornamental to meet the requirements of these architectural glass. Typical applications such as Shanghai Apple store 12.6m×2.6 meters; Zhangjiajie glass plank road and so on.



