

## **SGG 10mm+10mm SGP tempered laminated glass- building glass manufacturers**

**10mm+10mm SGP tempered laminated glass** are made by two layers of [10mm tempered glass](#) and DuPont SentryGlas interlayer film, which guarantee the safety function of laminated glass. SGP laminated glass are with high strength, high clarity, durability, versatile construction and flexible installation make it easy to adapt to the latest and most stringent requirements of today's construction market. Compared with ordinary laminated glass, SGP laminated glass can improve the performance of bullet-proof glass and can reduce the laminated glass thickness in a certain extent.

### **Specification:**

1. Glass Substrate Options: ultra clear float glass, clear glass, tinted glass, reflective glass, silkscreen glass, Low-E glass, Frosted glass, etc.
2. SGP Sentry film thickness: 0.89mm /1.52mm /2.28mm
3. SGP brand: Du Pont or Saflex SOLUTIA
4. Max length: 6000mm, can be bespoke
5. Max width: 2500mm, can be customized
6. Both flat laminated glass and curved laminated glass are available

### **Technical Data of PVB and SGP**

<b>Material Performance</b>	<b>SGP</b>	<b>PVB</b>
<b>Tensile Strength MPA</b>	<b>34.5</b>	<b>28.1</b>
<b>Tear Strength MJ/m3</b>	<b>50</b>	<b>10-15</b>
<b>Fracture Expansion Rate</b>	<b>400%</b>	<b>275%</b>
<b>Haze Degree</b>	<b>&lt;&lt;2%</b>	<b>&lt;2%</b>
<b>Yellow Index</b>	<b>&lt;1.5</b>	<b>6-12</b>
<b>Index of Refraction</b>	<b>1.5</b>	<b>1.47~1.5</b>
<b>Transmittance 6mm Clear+1.52mm+6mm Clear</b>	<b>89%</b>	<b>89%</b>
<b>UV Resistance Rate 3mm Clear+0.38mm+6mm Clear</b>	<b>99.9%</b>	<b>99.9%</b>
<b>Ignition Point</b>	<b>470℃</b>	<b>410℃</b>
<b>Flame Spread Index</b>	<b>30</b>	<b>60</b>
<b>Combustion Smoke Index</b>	<b>215</b>	<b>350</b>

#### **Advantages:**

- 1.The tear strength of SGP laminated glass is 5 times than normal PVB laminated glass.
- 2.The hardness of SGP laminated glass is 100 times than normal PVB laminated glass.
3. SGP sentry laminated glass are with hurricane resistance function, can with bigger storms than PVB laminated glass.
4. SGP sentry laminated glass improve the performance of bullet-proof glass.
5. SGP sentry laminated glass reduce the laminated glass thickness in a certain extent.
6. Extremely durable and resistant and can keep flawless and transparent after years of exposure.

#### **SGP application**

As SGP laminated glass has good transparency, safety and other good performance, it has been widely used in various industries. With safety, beauty and unique combination of further demand, SGP laminated glass applications will be more extensive.

1. In places that needs to consider personal safety.

2. Places with function of bulletproof, anti-theft, explosion-proof.
3. Glass floor, glass corridor.
4. High-rise buildings, large public buildings safety glass.
5. Large size architectural glass.

**Quality Certificates:**

1. 10mm+10mm SGP tempered laminated glass meet Chinese standard ISO9001 and CCC
2. 10mm+10mm SGP tempered laminated glass meet Europe standard EN12543, E12510
3. 10mm+10mm SGP tempered laminated glass meet British standard BS6206

**Picture details of 10mm+10mm SGP tempered laminated glass:**

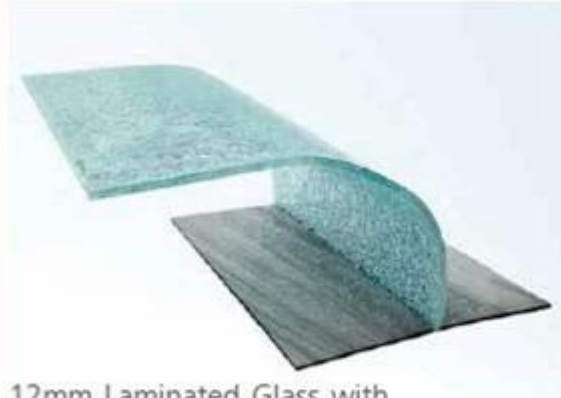
**Product image:**



**Breakage of PVB Laminated Glass & Toughened Glass & SGP Laminated Glass:**



12mm Laminated Glass with  
SGP Interlayer



12mm Laminated Glass with  
PVB Interlayer



12mm Tempered Glass

*Sun Global Glass*

### **Production Line:**







**Package:**



