

# **SZG-Glass manufacturer-Building Glass-Decorative Glass-13.52mm SGP Low Iron Tempered Laminated Glass**

**13.52mm SGP ultra clear tempered laminated glass** is produced in the same way as [13.52mm PVB tempered laminated glass](#). It's made of two pieces of [6mm low iron tempered glass](#) sheets inserted by 1.52mm SGP film. The 6mm low iron tempered glass sheets will be tightly glued together by SGP film after heating and high pressure. 13.52mm extra clear SGP tempered laminated glass has all safety functions of 13.52mm PVB tempered laminated glass. What's more, SGP laminated glass also has function of hurricane protection. Thus, It's widely used in the hurricane-prone areas.

## **Notice:**

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

## **Specifications:**

Product name: 13.52mm ultra clear SGP tempered laminated glass

Other descriptions : 6mm+6mm SGP tempered sandwich glass, 13.52mm laminated safety glass, 6mm+6mm hurricane proof glass, 6mm+6mm extra clear SGP laminated glass, 13.52mm hurricane proof laminated glass, 13.52mm low iron toughened SGP laminated glass, SGP tempered sandwich glass, etc.

Brand name of SGP interlayer: Saflex SOLUTIA or Du Pont.

Structure: 6mm low iron tempered glass+1.52mm SGP sentry+6mm low iron tempered glass

Other structures for Choice: 4mm+0.89 SGP+4mm laminated glass, 5mm+0.89 SGP+5mm laminated glass, 8mm+1.52 SGP+8mm laminated glass, 10mm+1.52SGP+10mm laminated glass, 15mm+2.28mm+15mm laminated glass, etc.

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

Maximum Size: 3300M\*12M

## **Advantages of 13.52mm SGP tempered laminated glass:**

- 1.SGP tempered laminated glass 13.52mm is much stronger than 13.52mm PVB tempered laminated glass or 13.52mm EVA tempered laminated glass..
- 2.SGP sentry laminated glass has the function of hurricane-proof.
- 3.The SGP laminated glass can be extended to bulletproof glass.
- 4.Durable and resistant. SGP laminated glass can keep the good appearance for ages.
- 5.SGP laminated glass has good shock resistance.
- 6.Safety: The debris still stick to the film and won't fall off when the SGP laminated glass is broken.
- 7.Sound insulation function: 13.52mm SGP laminated glass can block the sound transmission.
- 8.Low iron SGP laminated glass has high transparency.

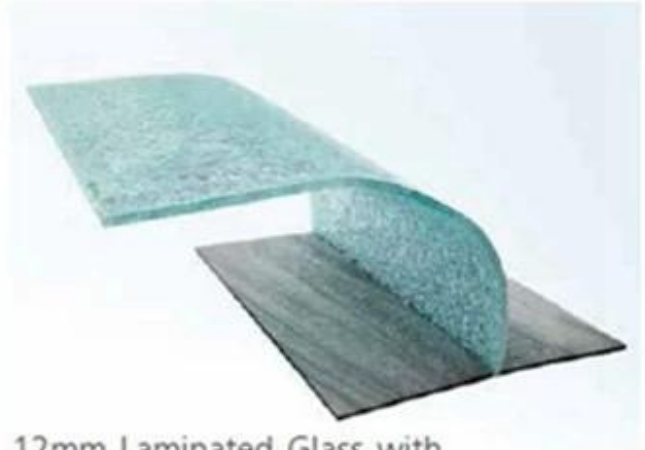
## **Technical Data of PVB and SGP Interlayer:**

<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/m<sup>3</sup></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°C</b>	<b>410°C</b>
<b>Flame Spread Index</b>	<b>30</b>	<b>60</b>
<b>Combustion Smoke Index</b>	<b>215</b>	<b>350</b>

**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

**Product images:**







**Applications:**

13.52mm SGP sentry laminated glass is widely used in the hurricane areas or the seaside buildings and etc..

1. Glass railings, balustrade, fence, canopy,
2. Glass floor, door, staircase glass curtain wall and facade,
3. Made to be SGP laminated insulated glass to meet the requirements for other applications.



**Quality standards:**

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

**Production line:**



 **S Z G**  
Professional glass manufacturer



**Safety Packing & Loading:**





**S Z G**

Professional glass manufacturer

