

China factory price 13.52mm SGP tempered laminated glass,6mm tempered glass+1.52mm clear SGP+6mm tempered glass

What is SGP laminated glass?

SGP=SentryGlas® Plus.

SGP intermediate film is DuPont's newly developed, it is a major innovation in the technology of laminated glass interlayer. SGP film beyond the existing technology, greatly expanding the performance of laminated glass. SGP has high strength, high transparency, durability, a variety of structures and flexible installation, very suitable for the current construction market requirements.

Compared with SGP laminated glass and [PVB laminated glass](#),SGP laminated glass have stronger impact resistance, anti-theft performance, explosion-proof performance and anti-disaster performance, and can reduce the thickness of laminated glass to a certain extent.

SGP laminated glass performance data:

Performance data

Material Performance	SGP	PVB	Standard
Density (g/cm ³)	0.95	1.07~1.08	ASTM D-792
Coefficient of linear expansion (°C ⁻¹)	10~15×10 ⁻⁵ (-20°C ~32 °C)	4×10 ⁻⁴	ASTM D-696
Tensile strength (Mpa)	34.5	20	ASTM D-638
Tear strength (Tear energy) (MJ/m ³)	50	10-15	ASTM D-638
CSS (Mpa)	>20.7		Du Pont
Elongation (%)	400	275 (ASTM D-412)	ASTM D-638
HDT @ 66 PSI	43°C		ASTM D-696
Haze	<2%	<2	
YID %	<2.5	10-15	(interlayer)
Refractive index	1.5	1.47~1.5	
UV cutoff wavelength (nm)	310	380	
UV screening (%) 3C+0.38+3C	99.98	99.98	

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 film VS PVB film:

SGP film laminated glass equivalent thickness = two glass panel plus.

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

SGP film tear strength is 5 times stronger than PVB film.

SGP hardness is 100 times stronger than PVB film.

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

SGP film with excellent adhesive strength of metal, can bond of online LOW E glass can be Energy-saving laminated glass, possible to replace of Low E insulated glass.

Application:

Bullet-proof glass, explosion-proof glass for armored vehicles, prisons, banks and other

Handrails, railings, glass stairs steps, anti-hurricane construction

Hurricane protection ceiling, windows, doors and skylight.

High speed train windshield.

Scenic spot glass fence and glass bridge.

What kinds of SGP laminated glass you can get it from Jimmy Glass?

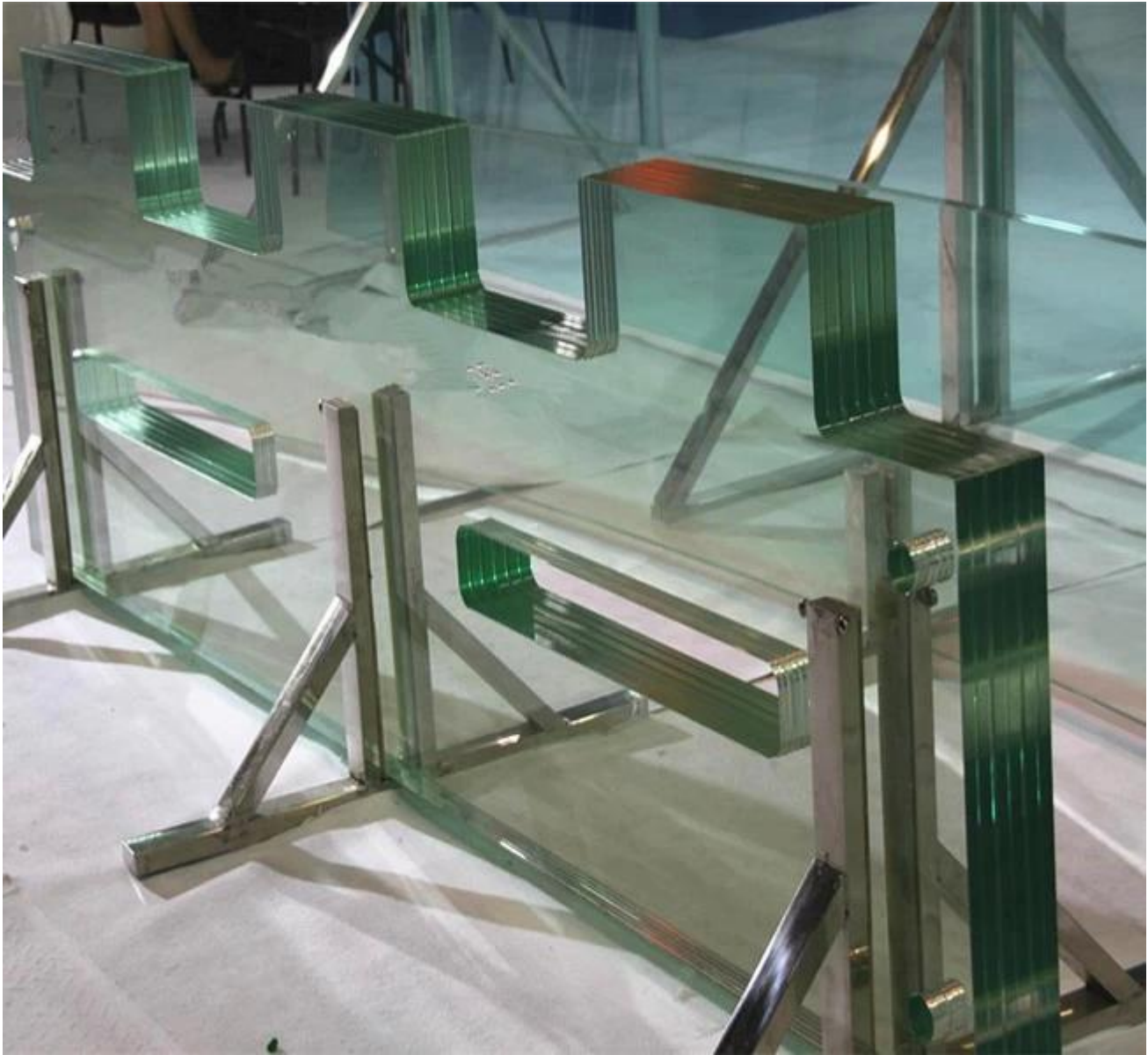
1. Clear Laminated Glass with SGP

2. Ultra Clear Laminated Glass with SGP

3. [Color laminated glass](#) with SGP, like gray laminated glass with SGP, bronze laminated glass with SGP, F-green laminated glass with SGP, blue laminated glass with SGP, etc.

4. Thickness available in 13.52mm, 17.52mm, 21.52mm, 27.04mm, 33.04mm, 41.04mm, etc. customized SGP laminated glass.

For example: 13.52mm SGP tempered laminated glass = 6mm tempered glass + 1.52mm SGP + 6mm tempered glass.



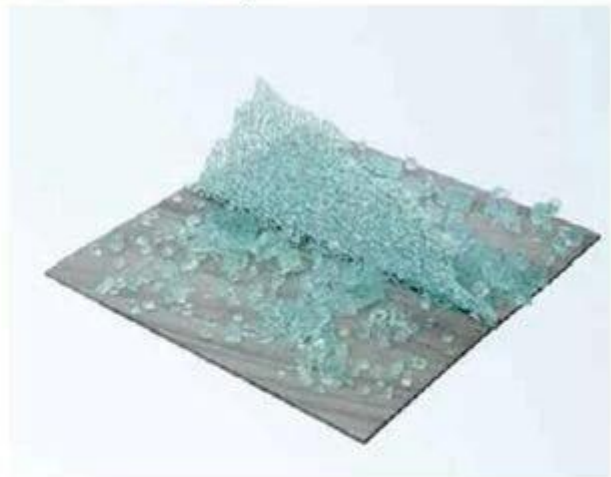
Differen between SGP laminated glass,PVB glass and tempered glass when been violent hit.



Laminated Glass with
SGP Interlayer



Laminated Glass with
PVB Interlayer



Tempered Glass

SGP tempered laminated glass widely application:



Jimmy Glass Company carefully packed

