

SZG 5mm+0.89mm SGP film+5mm tempered laminated glass- building glass manufacturers

10.89mm SGP tempered laminated glass are made by two layers of [5mm 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.

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 laminated glass thickness: 10.89mm SGP laminated glass,12.89mm SGP laminated glass,16.89mm SGP laminated glass,20.89mm SGP laminated glass, etc
- 4.SGP brand: Du Pont or Saflex SOLUTIA based on customers' request
- 5.Max length: 6000mm, can be bespoke
- 6.Max width: 2500mm, can be customized
- 7.Both flat laminated glass and curved laminated glass are available, will customize based on clients' drawing.

Technical Data of PVB and SGP:

**S Z G**

Professional glass manufacturer

PVB & SGP Technical Data

Material Performance	SGP	PVB
Tensile Strength MPA	34.5	28.1
Tear Strength MJ/m³	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°C	410°C
Flame Spread Index	30	60
Combustion Smoke Index	215	350

Advantages:

- 1.The tear strength of sgp laminated glass is 5 times than normal PVB laminated glass.
- 2.The hardness of sgp glass is 100 times than normal PVB laminated glass.
3. Sentryglas glass are with hurricane resistance function, can with bigger storms than PVB laminated glass.
4. Sgp interlayer glass improve the performance of bullet-proof glass.
5. Sgp glass products reduce the laminated glass thickness in a certain extent.
6. Extremely durable and resistant and can keep flawless and transparent after years of exposure.
7. Laminate sgp film glass is suitable for frameless design

8. Excellent safety after after broken.

SGP application:

As dupont sentryglas 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, impact resistant 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, glass walkway, glass railing, glass bridge etc.
4. High-rise buildings, large public buildings safety glass.
5. Large size architectural glass.

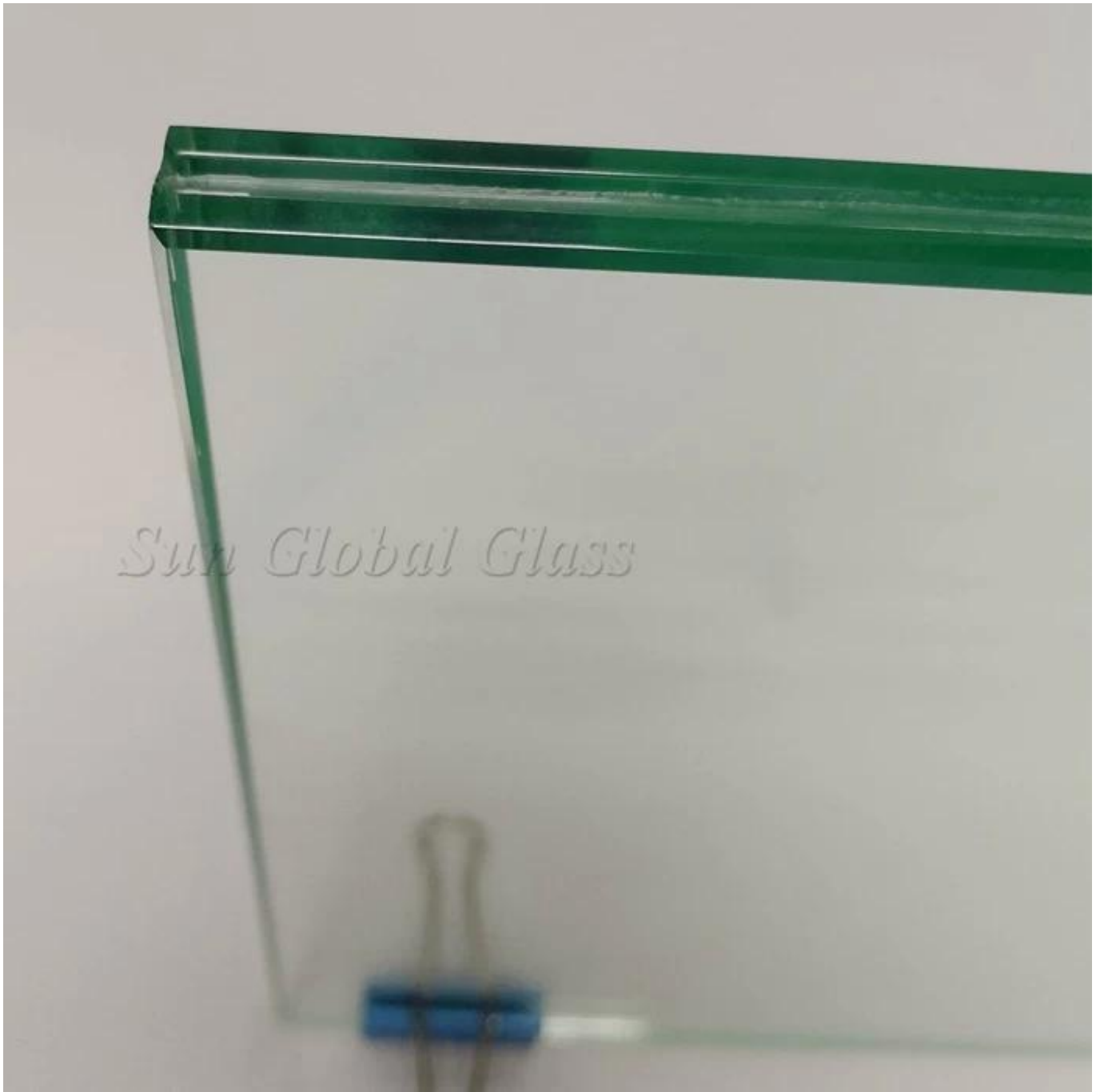
Quality Certificates:

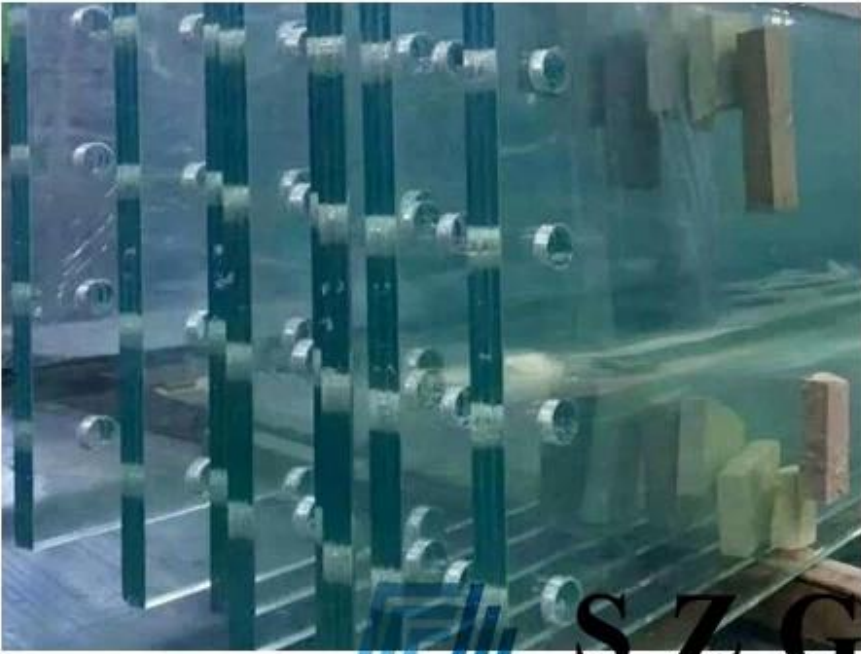
1. 10.89mm SGP specialty glass meet Chinese standard ISO9001 and CCC Certificate.
2. 10.89mm sentryglas interlayer glass meet Europe standard EN14449, E12510
3. 10.89mm dupont sgp interlayer glass meet British standard BS6206
4. 10.89mm sgp tempered glass meet GB9962 and GB15763.2.

Picture details of 10.89mm dupont sgp glass:

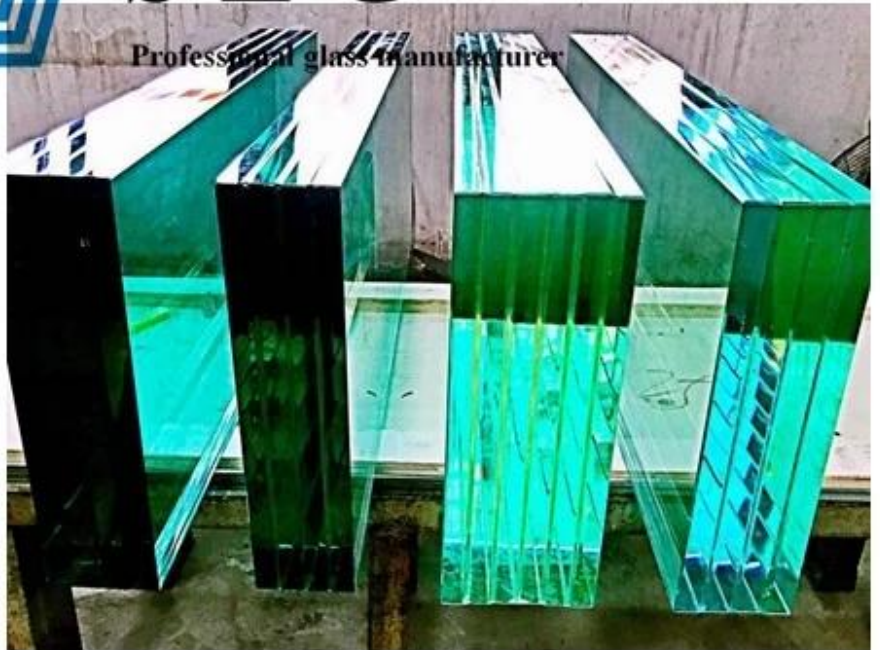
Product image:

Sun Global Glass





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Production Line:

半自动夹层玻璃生产线/Semi-Auto Laminated Glass Production Line



清洗烘干机
Washing and Drying Machine



合片室设备
Clean Room Equipment



预压机
Pre-pressing Machine



玻璃高压釜
Glass Autoclave

Package:



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