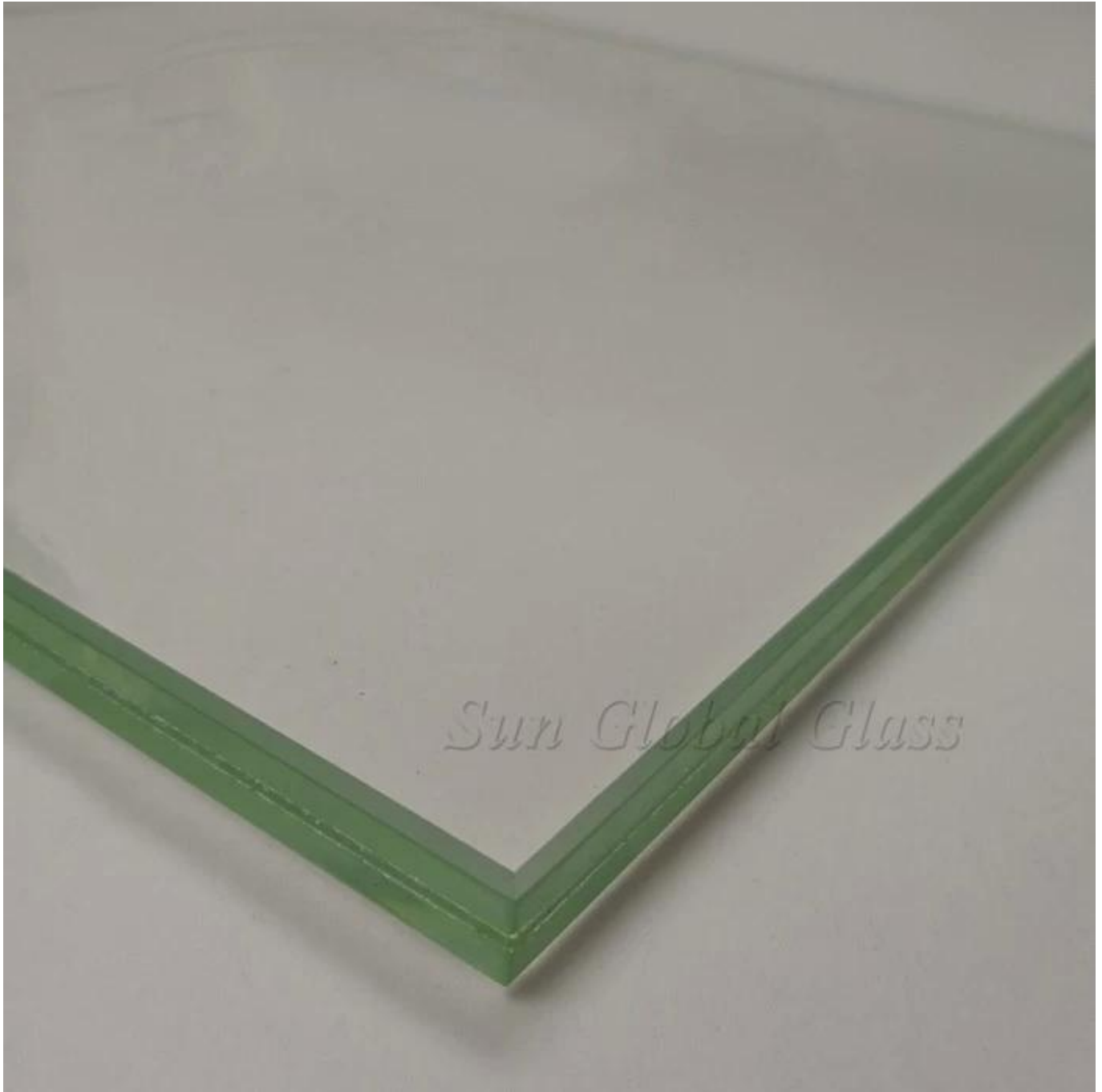# SZG-Glass manufacturer-Building Glass-Decorative Glass-6mm+6mm SGP tempered laminated glass

12.89mm SGP tempered laminated glass is a kind of hurricane proof glass which is made of two pieces of **6mm clear tempered glass** sheets inserted by 0.89mm SGP film. After heating and high pressure, both of the glass sheets are tightly glued together by SGP film. 6mm+6mm SGP tempered laminated glass has all safety functions of **12.76mm PVB laminated tempered glass**, but with higher strength, clarity, durability, versatile construction. It can resist hurricanes.

Product image:

Specifications:

Glass name: 12.89mm SGP tempered laminated glass

Other name: Hurricane proof glass, 6mm+6mm SGP tempered sandwich glass, 12.89mm laminated safety glass, 6+6mm SGP hurricane proof glass, 6mm+6mm SGP sentry laminated glass, etc.

Composition: 6mm clear tempered glass+0.89 SGP+6mm clear tempered glass

Other composition: 4mm+0.89 SGP+4mm, 5mm+0.89 SGP+5mm, 8mm+1.52 SGP+8mm, 10mm+1.52SGP+10mm, 15mm+2.28mm+15mm, etc.

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

SGP brand: Du Pont or Saflex SOLUTIA

Shape: Flat SGP laminated glass, curved SGP laminated glass.

Maximum Size: 3300M*12M

Available glass style : clear glass, ultra clear glass, acid etched glass, tinted glass, printed glass, etc.

Features:

1.Safety: When 12.89mm SGP laminated tempered glass is broken, the debris still stick to the film and won't fall off.

2.Sound proof: The 12.89mm clear laminated glass can block the sound transmission to a certain extent.

3.Optical performance: can reduce the transmission of sunshine.

4.Shock resistance: can be extended to application of bulletproof glass.

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

Advantages of SGP tempered laminated glass:

1.SGP tempered laminated glass is mush stronger than ordinary normal PVB tempered laminated glass.

2.SGP sentry laminated glass is with hurricane resistance function.

3.The SGP laminated glass can be extended to bullet-proof glass.

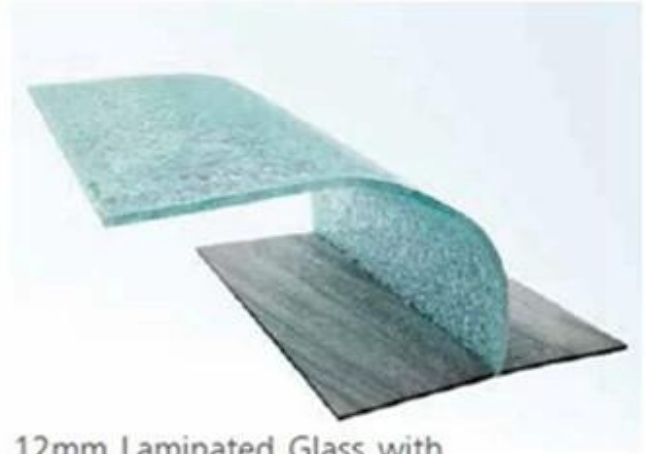4.Extremely durable and resistant and can keep flawless and transparent after years of exposure.

Technical Data of PVB and SGP film:

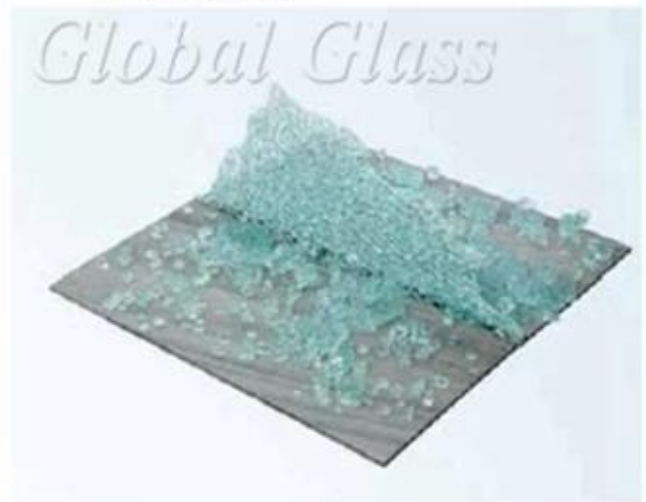| Material Performance	SGP	PVB
Tensile Strength MPA	34.5	28.1
Tear Strength MJ/m3	50	10-15
Fracture Expansion Rate	400%	275%
Haze Degree	<<2%	<2%
Yellow Index	<1.5	6-12
Index of Refraction	1.5	1.47~1.5
Transmittance 6mm Clear+1.52mm+6mm Clear	89%	89%
UV Resistance Rate 3mm Clear+0.38mm+6mm Clear	99.9%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

Breakage test of tempered glass & PVB tempered laminated glass & SGP tempered laminated glass:

12mm Laminated Glass with
PVB Interlayer

Sun Global Glass

12mm Laminated Glass with
SGP Interlayer

12mm Tempered Glass

Application:
Because of the hurricane proof function, SGP laminated glass is widely used in the area in the hurricane or the seaside buildings.
1. Can be used as SGP laminated glass railings, fence, facade, canopy
2. Can be used as glass floor, windows, door, staircase and curtain wall glass
3. Can be cut in different size or made of insulated glass for other applications.

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

Production line:

Packing & Loading:

SZG
Professional glass manufacturer