

# pergola walls 5+5mm clear toughened laminated glass for pergola walls supplier



## what is 5+5 laminated glass pergola walls glass panels

Pergola walls glass panels refer to the glass panels used as walls or partitions in a pergola structure. These panels are typically made from laminated glass.

One of the primary advantages of using laminated glass for pergola walls is safety. Unlike traditional glass, laminated glass is constructed by bonding multiple layers of glass together with a durable interlayer, commonly made of polyvinyl butyral (PVB). This design ensures that in the event of

breakage, the glass remains adhered to the interlayer, minimizing the risk of injury from sharp shards. By prioritizing safety, laminated glass empowers homeowners to enjoy their outdoor living spaces with peace of mind.



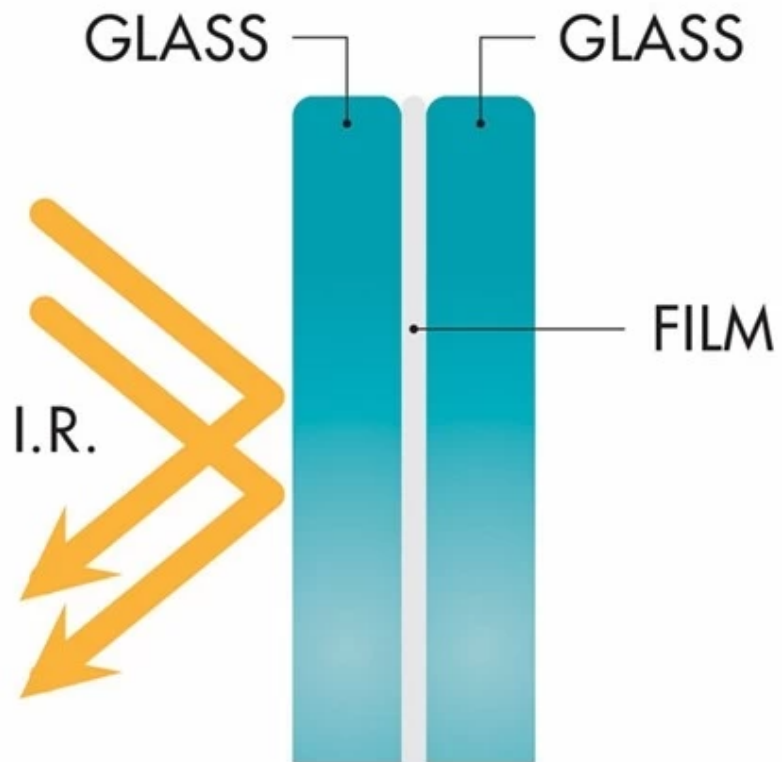
Laminated glass, renowned for its safety features and aesthetic appeal, offers a multitude of benefits when integrated into pergola design.

## **Pergola walls: The Advantages of Using Laminated Glass**

Using laminated glass for pergola walls glass panels provides several benefits:

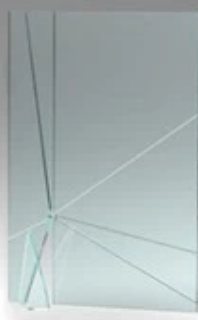
1. Safety: Laminated glass is safer than standard glass because it holds together when shattered.
2. Durability: The bonding process makes laminated glass stronger and more resistant to impacts and breakage compared to regular glass.
3. UV protection: Some types of laminated glass can provide UV protection, reducing the transmission of harmful ultraviolet rays.
4. Sound insulation: Laminated glass can also provide some level of sound insulation, helping to reduce noise transmission.

Overall, pergola walls glass panels made from laminated glass offer both aesthetic appeal and practical benefits for outdoor structures.



**Annealed Glass**

Breaks easily, typically in long sharp shards.



**Heat-strengthened glass**

Resistant to breakage, 2X as strong as annealed glass, breaks in large shards.



**Fully Tempered Glass**

Resistant to breakage, 4X as strong as annealed glass, shatters completely in small pieces, typically vacates the frame after impact.



**Laminated Glass**

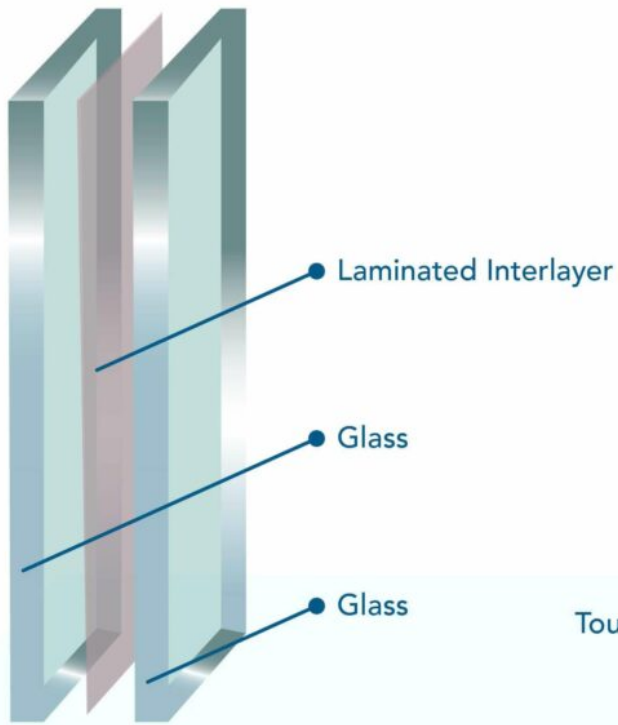
Resistant to penetration, breaks upon impact, tends to keep shards intact upon and after breakage. Two or more pieces of glass adhered together by interlayer.



## How is laminated glass made?

Laminated glass is created by bonding two or more pieces of glass with plastic interlayers using heat and pressure. It meets safety standards by retaining its structure even when broken, reducing the risk of injury. It can incorporate various colors and thicknesses to meet building codes. Additional strengthening methods like heat-strengthening and tempered glass can further enhance impact resistance.

## Laminated Glass



## Standard Toughened Glass





## Quality Standard

- Subject to BS standard;
- Subject to AS standard;
- Subject to ASTM standard;
- Subject to CE standard;
- Subject to the ISO 9001 standard.

**pergola walls Specifications:**

<b>Production name:</b> 5+5mm clear toughened laminated glass for pergola walls
<b>Glass thickness:</b> 5+5mm, other thicknesses 4mm+4mm, 5 mm+5 mm, and 6 mm+6 mm, custom is also available.
<b>Glass color:</b> Clear, other colors low iron, bronze, blue, green, grey, etc available.Support customization
<b>Shape:</b> Flat or curved.
<b>Quality:</b> CE/ASTM/AS/IS09001/BS.
<b>Packing:</b> Strong Plywood Crates; Customized individual packaging or mixed packaging is available.
<b>Production time</b> □10-20day
<b>Capacity:</b> 1000 SQM/day.

## Production details







## Packing and Delivery



[Shenzhen Dragon Glass](#) specializes in supplying wholesale custom pergola wall glass panels in China. As a leading manufacturer, we offer individually packaged glass panels tailored to your specific project requirements. [Contact us](#) today to discuss your next project and explore how our high-quality glass panels can enhance your pergola design. Let us be your trusted partner for supplying custom pergola wall glass panels for your upcoming project.