

LAMINATED GLASS

Laminated Glass china supplier and manufacturer.Jing Hai Glass factory is Building architectural glass china supplier of in Tempered Glass, Switchable Glass Smart Glass, Laminated Glass,Double-glazed Insulating glass, Hollow glass, Low-E glass, Double silver LOW E Glass, Three silver LOW E glass, Stained Glass, Etc.

Laminated glass is a type of safety glass that holds together when shattered. In the event of breaking, it is held in place by an interlayer, typically of polyvinyl butyral (PVB), between its two or more layers of glass.The interlayer keeps the layers of glass bonded even when broken, and its high strength prevents the glass from breaking up into large sharp pieces. This produces a characteristic "spider web" cracking pattern when the impact is not enough to completely pierce the glass.

Features of Laminated glass:

- Various interlayer options: PVB, SGP, KGP;
- Sound proof, prevent the spread of voice, and reduce the noise;
- Protect from the fire hurricanes and earthquakes;
- Ban 95% UV protect furniture from fading;

Dimension Range

Min 300mm * 300mm;

Max 2440mm * 6000mm

Design options with laminated glass:

- Low-E coatings
- Low-maintenance exterior coatings
- Tinting options
- Custom shapes and sizes
- Monolithic or insulating glass

- Custom shapes and sizes



Annealed Glass
Breaks easily, producing long, sharp splinters

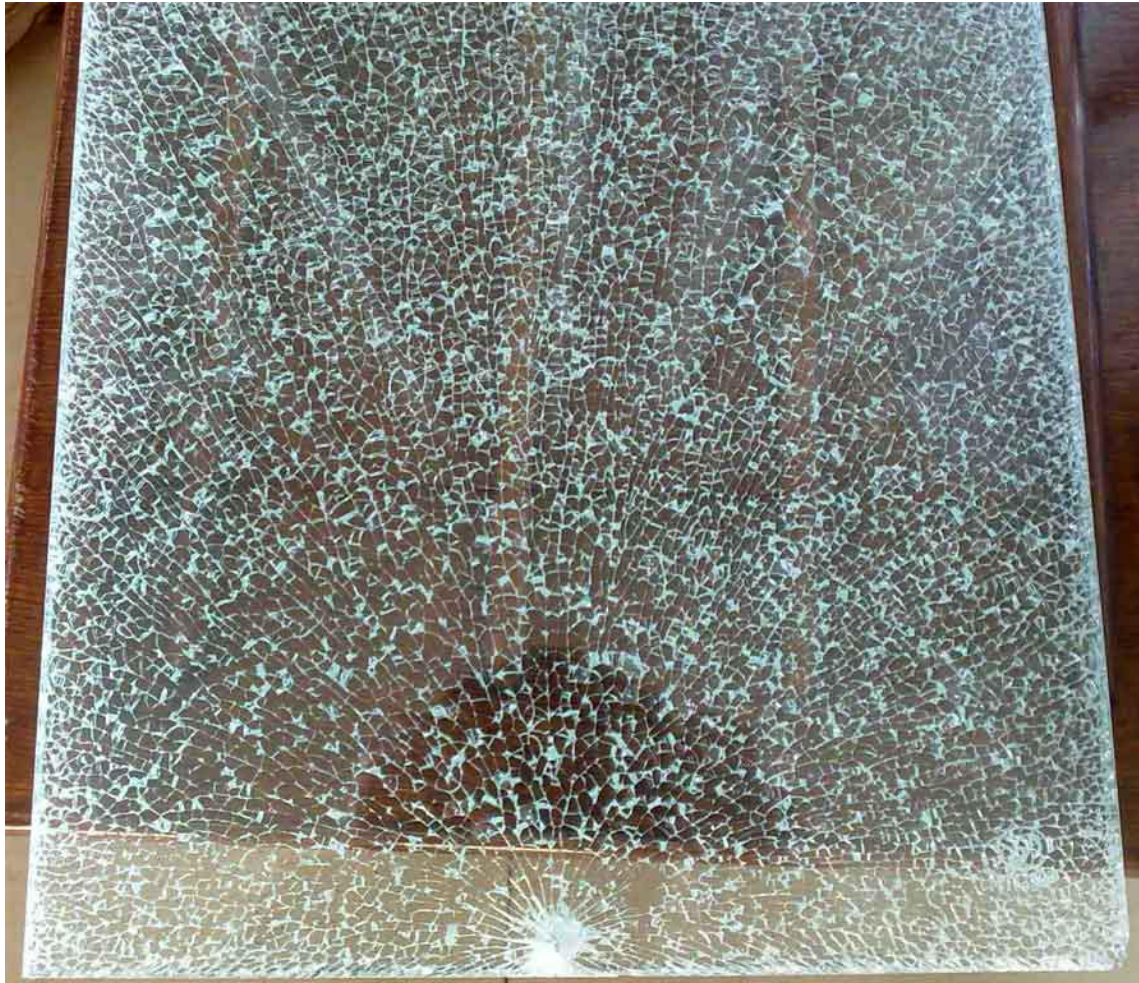
Tempered Glass
Shatters completely under higher levels of impact energy, and few pieces remain in the frame

Laminated Glass
May crack under pressure, but tends to remain integral, adhering to the plastic vinyl interlayer

Laminated glass is manufactured by bonding two or more layers of glass together with an interlayer, such as PVB, under heat and pressure, to create a single sheet of glass. When broken, the interlayer keeps the layers of glass bonded and prevents it from breaking apart. The interlayer can also give the glass a higher sound insulation rating.



Laminated glass that is made up of annealed glass is normally used when safety is a concern, but tempering is not an option. Windshields are typically laminated glasses. When broken, the PVB layer prevents the glass from breaking apart, creating a "spider web" cracking pattern.



Tempered laminated glass is designed to shatter into small pieces, preventing possible injury. When both pieces of glass are broken it produces a "wet blanket" effect and it will fall out of its opening.

Heat strengthened laminated glass is stronger than annealed, but not as strong as tempered. It is often used where security is a concern. It has a larger break pattern than tempered, but because it holds its shape (unlike the "wet blanket" effect of tempered laminated glass) it remains in the opening and can withstand more force for a longer period of time, making it much more difficult to get through.

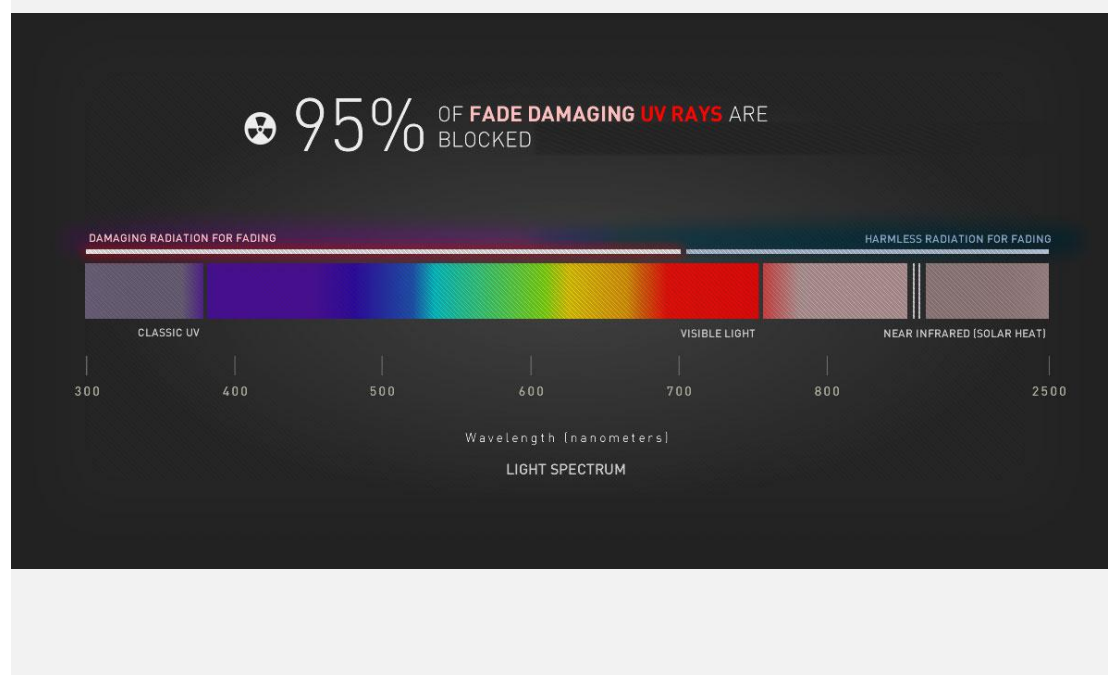
APPLICATIONS

- Picture framing • Architectural interiors • Facades
- Shop fronts • Museums • Panoramic restaurants
- Showrooms • Luxury commercial decoration • Stadiums/arenas
- Historical preservation • Waiting rooms • Display windows
- Design elements • Partition walls • Artwork
- Cash dispensers • Petrol stations • Display cases
- Balustrades • Store fixtures • Lobbies
- Foyers • TV and recording studios • Observation rooms
- Display units • Internal partitions • Interpreter / sound booths
- Zoos and aquariums • Terrariums and vivariums • Airports
- Control towers • Bulletproof windows

Laminated Glass Protect your home from fading.

Fabric, furniture and other materials fade and become discolored over time when portions of the solar energy spectrum enter a room. The potential fading reduction of solar energy through glass can be determined by a measurement called Damage Weighted Transmission (Tdw).

Single pane clear glass, with a Tdw of 0.84, allows most of the UV and visible energy to come through into the room, offering very little protection. On the other hand, laminated glass can block over 95% of the UV energy while allowing most of the visible light through. The composite performance is a Tdw of 0.66 – twice the fade protection of ordinary glass, all without affecting the growth of your plants.



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