

Glass Options

Laminated Glass

Laminated glass consists of a tough protective interlayer made of polyvinyl butyral (PVB) bonded together between two panes of glass under heat and pressure. Once sealed together, the glass behaves as a single unit and looks like normal glass. Similar to the glass in car windshields, laminated glass may break upon impact, but the glass fragments tend to adhere to the protective interlayer rather than falling free and potentially causing injury.

Laminated glass is used for safety to deter break-ins and for protection against flying debris from strong storms, hurricanes, tornadoes and earthquakes by keeping the broken glass intact within the frame. Laminated glass is also great at reducing sound transmission and is found in homes, airports, museums, schools and libraries to keep out unwanted noise such as from airplanes, heavy machinery and traffic.



Protection against flying debris from storms and earthquakes.



Reduction in sound transmission from transportation noises.

Tempered Glass

To create tempered glass, ordinary glass is heated to around 680 degrees Celsius (1256 degrees Fahrenheit) and then cooled rapidly by blowing air on both sides. This manufacturing process can make the tempered glass up to four times stronger than ordinary glass. When tempered glass breaks, it shatters into small blunt fragments, reducing the risk of serious injury.

Safety codes require tempered glass in all doors (including sliding glass doors/patio doors) and in windows that are located near doors, bathtubs or showers.

Notes:

