

ASK THE EXPERT:

Tempered and Laminated Glass



What is the difference between tempered and laminated glass?

Laminated Glass

Two or more panes of glass are bonded together by a durable plastic interlayer with a resin called PVB (polyvinyl butyral). This technique is used to create single sheets of glass with multiple layers. The PVB keeps the glass from breaking apart easily and provides high sound insulation. However, if it should break, the glass will tend to remain in its frame, minimizing the risk of injury from sharp edges and flying or falling glass particles.

Tempered Glass

Tempered glass is often referred to as safety glass because it is more resistant to breakage than normal float glass. Yet if it is broken, it usually breaks into relatively small pieces, which are less likely to cause serious injury. Tempered glass is known to be several times stronger than laminated glass. Tempered glass is created using chemical and thermal treatments.

Click for more detailed information from guardian.com regarding types of safety and security glass.