

28.76mm low e heat strengthened laminated insulated glass (IGU) is consists of one piece of **10.76mm heat strengthened lamianted glass** , one piece of 6mm heat strengthened tempered glass, and enclosed by a 12mm air spacer.

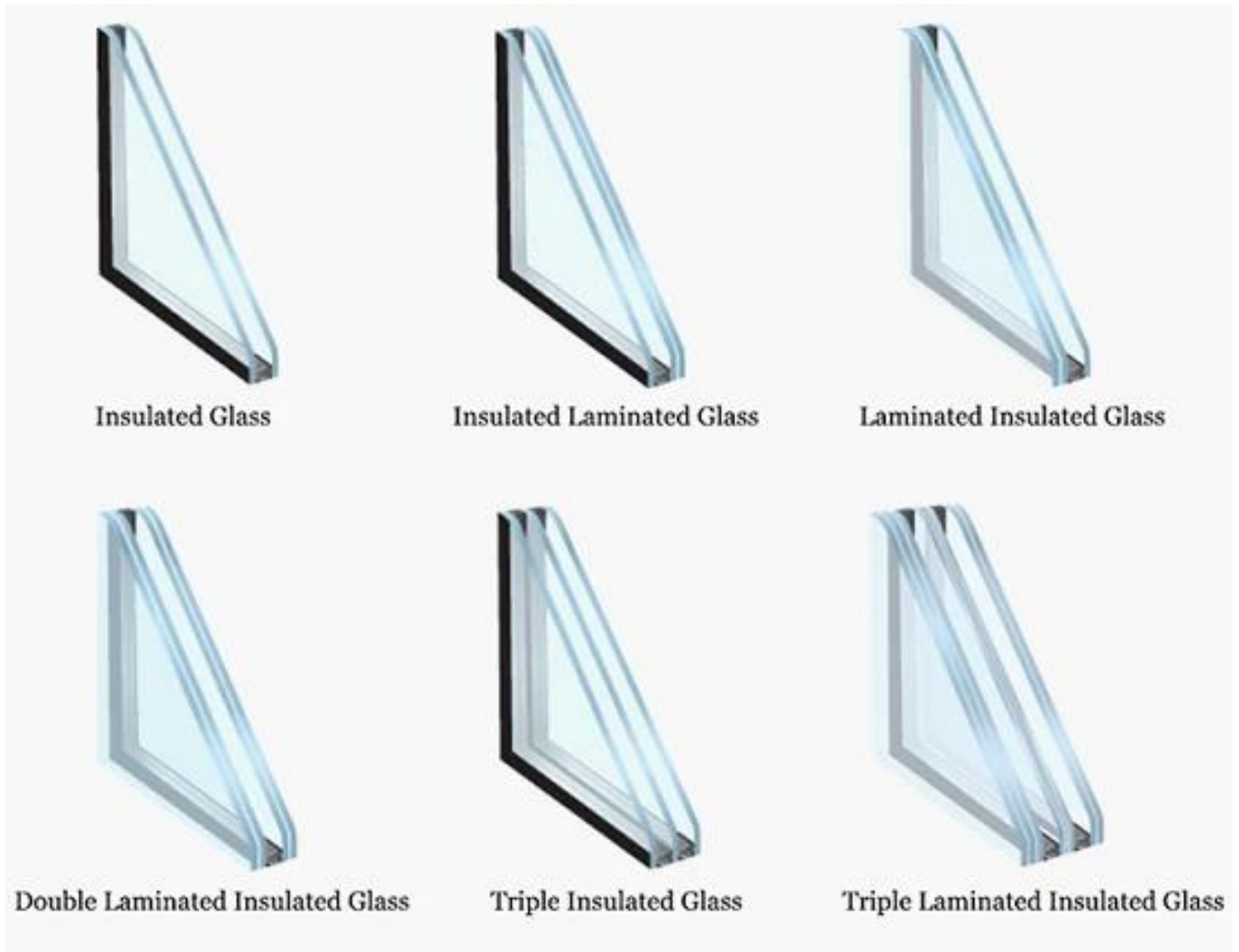
SZG laminated insulated glass offer an exceptional performance of reduce the heat gain or loss and allow for maximum design flexibility and creativity. By processing laminated glass into insulated glass, the safety of glass is increased, even when glass break, the fragments will adhere to the PVB interlayer, and minimizing the risk of injury and property damage.

For air space, we filled with argon and contain desiccant to remove moisture trapped in the gas space, thereby lowering the dew point of the gas in that space, and preventing condensation from forming when the outside glass pane temperature falls.





What Type of Insulated Glass We Can Produce



Advantage of SZGLaminated Insulated Glass

1. Safety performance: SZG 28.76mm laminated insulated glass is processed by heat strengthened glass and laminated glass. Heat strengthened glass and laminated glass are safety glass, heat strengthened glass is 2 times stronger than ordinary float glass and not spontaneous explosion. For laminated glass, SZG use the best quality PVB with feature of withstands penetration from impact, even if the glass break, the splinters will adhere to the PVB interlayer and not scatter.

2. Heat insulating and dissipating performance: the argon gas is much less reactive than air and don't transfer energy as quickly, which means it can help the window keep the warm air inside. Low e coating is usually put on the inner sides of insulated glass to make sure it can never not be destroyed by the outside, low e serves a purpose both in the winter and summer time. The coating works by deflecting harmful UV rays to prevent overheating the room. The inner side low E coating can reflect warmth back into the house and reduce heat loss.

3. Flexibility performance: the laminated glass panel make the insulated glass has more flexible design, it can combinations of colored laminated and silk screen wired laminated glass etc. In addition, SZG provide customized service, we can custom glass structure according your inquiry and custom size for you, the max size we can do is 3300mmx13000mm, also, flat shape and curved shape are are welcome to custom.



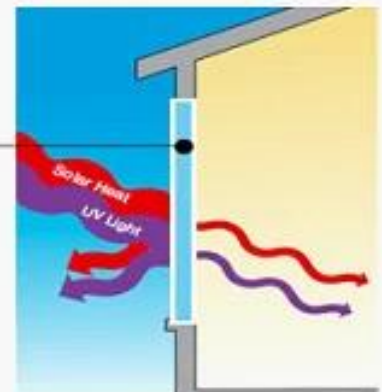
heat strengthened glass



laminated glass



In Summer, low E coating can reduce the harmful UV rays and solar heat gain.



In winter, low E coating can retain interior heat to maintain a comfortable temperature



SZG ProductionLine

1. Process by using best quality clear float glass and PVB, each float glass sheet should be checked whether exist air bubble, stain , scratch and other defects.
2. Put the checked float glass into the tempering furnace, then produce heat strengthened through high temperature and quenching to make the surface layer less than 69MPa compressive stress and make the glass surface stress is around 24 ~ 69 Mpa.
3. Laminating processing must in non-dust room, then put the glass into the autoclave for 8 hours to ensure there is no air bubble between glass and PVB film.
4. Combination of two panes of glass with a layer of argon gas in between them, further separated two pieces of glass by an aluminium spacer bar, below the spacer bar material, a desiccant is used to absorb moisture and prevent the present in between the glass panes.



S Z G



Professional glass manufacturer

