

Custom made heat resistant and soundproof tempered laminated insulated glass China supplier

About tempered laminated insulated glass

Laminated insulating glass, also call laminated double glazing, it can be a single-sided laminated insulating glass or a double-sided laminated insulating glass. For single-sided laminated insulating glass, it is a single piece of glass and a single piece of laminated glass separated by aluminum spacers. For double-layer insulating glass, it is a two-layer laminated glass separated by an aluminum separator. The space between the aluminum baffles is filled with dry air or an inert gas such as argon to slow the heat exchange between the inside and outside and reduce noise levels. Laminated glass is a high-security glass that is very energy efficient, so they can be combined to meet any architectural requirements.



Characteristics of tempered laminated insulated glass

- 1. High security.** Laminated insulating safety glass has all the characteristics of [laminated glass](#) and insulating glass can to reduce the risk of breakage. If the laminated glass surface is mounted externally, even if the glass breaks in the upper layer, the debris will stick to the interlayer (PVB / SGP / EVA) and will not fall and hurt the human body.
- 2. Reduce noise.** The airspace of the insulating glass and the interlayer of the laminated glass block the sound waves, so laminated insulating glass is an ideal material for sound insulation.
- 3. Anti-UV.** Tempered laminated insulated glass can blocks more than 99% of the UV rays while allowing most of the visible light to pass, which protects the internals from fading.
- 4. Energy efficient.** Safety insulating glass can reduce the heat transfer coefficient, so it can isolate the outdoor high temperature in summer and the outdoor cold air in winter, which can help us save a lot of air conditioning costs.



Where to use tempered laminated insulated glass

[Tempered laminated insulated glass](#) is generally used in **office buildings**, hotels, hospitals, houses and buildings that require extensive heating or cooling, high-rise office building glass, UPVC window insulating glass, roof safety glass, thermal control sunroof glass , etc.

