

## Energy Saving& Soundproof 44mm Low E Triple Glazed Panes

Compare to [Double Glazing Glass](#) (DGU, IGU), the most common triple insulating glass units are constructed with three plies of glass separated by two hermetically sealed and dehydrated spaces. This construction increases the insulating value of the glass unit, thus reducing the u-value. A triple insulating glass unit is especially useful in applications where a low u-value is necessary.

In this Section, 44MM Insulated Glass (10mm Double Low E coating Tempered Glass+12A+[10mm Ultra Clear Tempered Glass](#)+12A+10mm Ultra Clear Tempered Glass), the third layer of glass in a triple insulated unit offers the option to add a second Low-E coating tempered glass within the glass unit. The double Low E coating Tempered Low E Glass has a highly transparent coating added to the #4 surface to further improve the solar performance without adversely affecting the appearance. When comparing factors such as the SHGC, or U-values, There is an approximate improvement of 20-30% in this Triple Glazed Insulating Units' energy ratings



### **Specification:**

1. Glass

Product: 44MM Insulated Glass (10mm Double Low E coating Tempered Glass+12A+10mm Ultra Clear Tempered Glass+12A+10mm Ultra Clear Tempered Glass)

2. Air Space: 12mm (Vacuum, Air or Argon)

3. Glass substrate: **10mm Tempered Low E Glass**, 10mm Ultra Clear Tempered Glass

4. Bespoke size& shapes are available

5. Processing capacity: drilled holes, cut notches, curved, bent, silkscreen printed, etc.

6. Quality Standard: ALL SZG INSULATED GLASS ARE ACCORD WITH EN1279 QUALITY STANDARD

## Features:

1. Triple glazing insulated glass have two spacers that separate the panes of glass in a pane . The premium super spacer is made from a superior quality silicone resistant to UV light oxidation and offers great argon gas retention for higher energy efficiency.

Shenzhen Sun Global Glass Co., Limited can offer two options of spacer for your reference:

- 1). Aluminum edge Spacer
- 2). Warm edge Spacer

2. The same gas fills used in double pane glass are used in the same way for triple pane insulated glass. The only difference is that triple glazing insulated glass have gas injected into both air fill spaces between the panes of glass, significantly increasing the energy efficiency of a triple glazed fiberglass window.

Shenzhen Sun Global Glass Co., Limited can offer different type air fill into space with different thickness

- 1). Vacuum Space (6mm, 9mm, 12mm, 15mm, 19mm, 20mm, etc)
- 2). Air Space (6mm, 9mm, 12mm, 15mm, 19mm, 20mm, etc)
- 3). Argon Space (6mm, 9mm, 12mm, 15mm, 19mm, 20mm, etc)

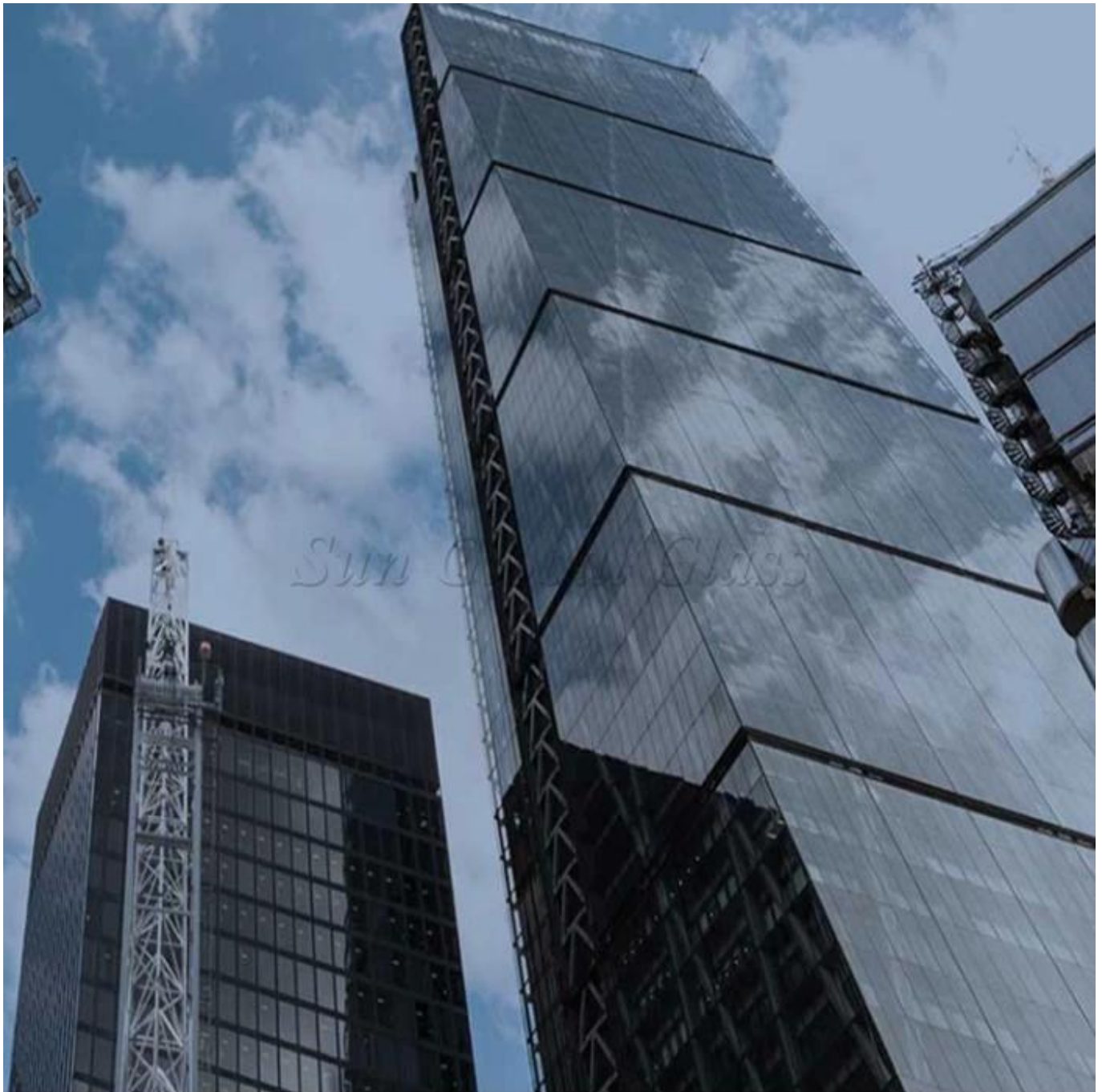
3. Two of three layers of a soft/hard coat low-emissivity (Low-E) film can be added on the non-exposed surfaces of the glass (one per chamber). By having three layers of glass, your windows are able to reduce outdoor noise transmitting through the windows.

In order to achieve different performance, You can use different glass substrates for variety glass combination:

- 1) monolithic Tempered Glass ( tinted tempered glass, tempered clear glass, tempered low iron glass, tempered reflective glass, toughened low E glass, toughened silkscreen glass, tempered frosted glass, etc)
- 2) Laminated glass (tempered laminated glass or laminated annealed glass)
- 3) Heat treatment glass, not only tempered glass (full tempered glass), but also heat soaked testing glass and heat strengthened glass

## Application:

Insulated Glass doors  
Insulated Glass windows  
Insulated Glass frontdoors  
Insulated Glass roofs  
Insulated Glass curtain walls



### **Advantages about SZG:**

1. We have over 20 years production experiences of Triple Glazing Insulated Glass production. There are advanced production equipment, sophisticated workers, skilled technician team and professional sales teams to service you, to make sure we can offer you high end quality of glass and pleasant services which are beyond your expectation.
2. Before mass production, we will double check CAD drawings for each glass panel with clients.
3. You can dedicated processing services including: drilled holes, cut notches, silkscreen printing, polished edges, bevelled edges, safety corners, etc.

4. You not only can have full tempered glass, but also can have heat strengthened glass and heat soaked tested glass.

