

## **SZG Toughened Laminated Insulated Glass (4MM Tempered Glass+1.52MM PVB+4MM Tempered Glass+12A+4MM Tempered Glass+1.52MM PVB+4MM Tempered Glass )**

**SZG Toughened Laminated Insulated Glass** is made of two or more pieces of glass glazing sheets which might be low e or reflective glass or normal float colored glass and use sealant gumming and aluminum spacers which was filled with desiccant together. Insulated glass/ Hollow glass/IGU/Double glazing glass with the perimeter of the spacer that gets in contact with the glass is properly sealed with primary and secondary sealants to ensure it with air/argon tight.

4MM Tempered Glass+1.52MM PVB+4MM Tempered Glass+12A+4MM Tempered Glass+1.52MM PVB+4MM Tempered Glass.One of the most advantages of insulated glass is energy saving. It will be saved a lot air condition cost.It also has high safety as well.

### **4MM Tempered Glass+1.52MM PVB+4MM Tempered Glass+12A+4MM Tempered Glass+1.52MM PVB+4MM Tempered Glass :**

Single Glass thickness	4mm clear tempered glass
Spacer thickness	6A, 9A, 12A, 15A, 20A
Gas in Spacer	Air, Argon
Glass thickness options	5mm/ 6mm/8mm/10mm/12mm, etc
Other glass options	Low-E tempered glass, ultra clear glass,, tinted glass, reflective glass
Insulated glass size	1.Max: 2700x3700mm 2.Min:180x350mm 3.Custom sizes
Other Insulated glass composition options	1.Clear tempered glass+ Low e tempered glass 2.Clear tempered glass+Reflective tempered glass 3.Or customized composition based on requirements.

### **How effective is double glazing?**

IGU(insulated glass units) can improved a lot to your home comfort level,combined with insulation in the walls, ceiling and floor,it will keep temperature stability and reduce heating and the cooling cost of appliance.

Double glazing a window with clear float glass, you can halve the heat loss compared to single glazing window if the size and shape.if you double glazing with low-e glass or using argon gas to fill the space between glass panel.

### **Features:**

1). Optical performance Visible LT 10%-80% and LR 13%-35% depends on different panes of Insulated glass

- 2). Thermal feature Insulating glass can reduce U value, especially when filled with inert gas
- 3). Sound insulation Insulated glass can lower the noise, if applied with laminated pane,80 decibels of traffic noise could be as low as 45 decibels
- 4) Anti-dew: Double glazing glass is filled enough desiccant which can efficiently absorb vapor in the inner space or penetrated from outside to ensure the gas in inner space is absolutely dry and won't dew.
- 5).High Safety: Not only keep the performance of tempered glass, but also laminated glass. Glass breakage not sharp and do not harm to human body. Furthermore, PVB will bond the breakage together. It will not fall down.

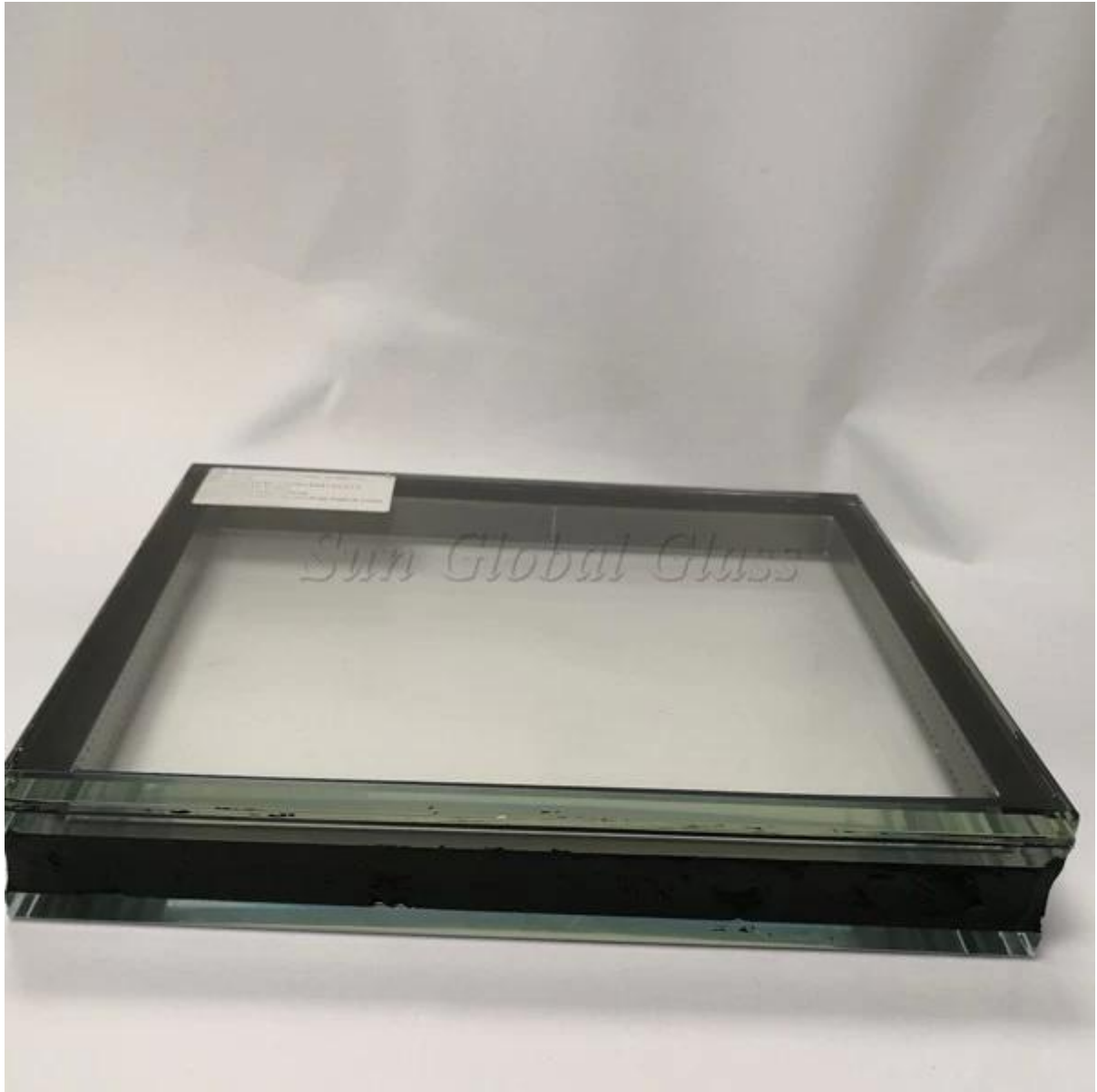
### **Applications:**

Insulated glass have high energy saving and sound proof ,anti UV rays,so insulated can widely used in curtain wall glass,glass facade,double glazing units window glass pane,double glazing partition.especially residential windows and curtain wall,

### **SGG IG units Quality Standard:**

1. comply with EN12150 European tempered glass standard
2. comply with ASTM1048 American Standard
3. conform with GB 9963-1998 Tempered Glass Standard
4. conform with GB 17981-1999 Chinese Standard Tempered and Heat-Strengthened Glass
5. Comply with Chinese Safety Glass Compulsory Certification (CCC), IGCC, CSI.

### **Product Details:**



**Clear Toughened Laminated Double Glazing Units Production Line:**



