

## 10mm+12A+10mm sound proof [insulated glass](#),10+10mm insulated glass panel, 10 12 10mm double glazing glass

[Insulating Glass](#) is made of two or more glass sheets and and bonded with aluminum frame ,the air space can be filled with air or argon,each edge of IGU(insulated glass units) sealed with high strength sealants.that can perfectly avoid vapor water penetrated,the most of advantages of insulated glass is reduce thermal losses,lower energy consumption,with the high efficient energy saving and thermal remain,it can save a lot home application consumption.

### 10mm+12A+10mm sound proof insulated glass,10+10mm insulated glass panel, 10 12 10mm double glazing glass:

Single Glass thickness	5mm 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.Energy saving:For the low heat conductivity of the sealed air between the glass, the insulated glass can reduce heat transfer from inside to outside. Therefore, it can save energy by 30%-50%.

2.Perfect transparency, IGU still allows max light transmittance.

3.Excellent Soundproof effect :Single glazing glass only reduce noise o 20-22dB. Insulated glass has a great performance in sound proof.can reduce noise to 29-31 even 45dB.

### **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 Double Glazing Units Production Line:**



