

# SGG 5MM+9A+5MM CLEAR TEMPERED INSULATED GLASS- Perfect Glass Facade System materials

**Insulating Glass** is also called hollow glass, heat proof glass, sound insulation glass, double glazing / double glazed glass, which is made of two or more pieces of glass and bonded with an aluminum frame filled with an efficient drying agent. Then it is secondary sealed with Silicone Sealant.

Insulated glass units for glass facades, commercial windows and residential homes, insulated glass can comprise all of our glass types and any combination of glass can be used. The function of the air/gas spacer is to reduce water vapor penetration. The insulated glass unit is sealed by a secondary edge seal and that makes structural robustness to the insulated glass. The aluminum spacer contains a desiccant and can absorb humidity from or within the air space.

## **5MM clear tempered glass +9A+5MM clear tempered glass Specification:**

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 improve 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 appliances.

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 panels.

### **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:**

Butyl glue insulated glass are used outside, and Sulfur glue insulated glass are used inside.

1.Outside usage:

- curtain wall glass
- Glass facade,etc

2.Inside usage:

- Double glazing units window glass pane
- Double glazing glass partition, etc.

### **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:**

**Product pictures of SGG 5MM+9A+5MM CLEAR TEMPERED INSULATED GLASS**



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



**Our promise is that you receiving 5 9 5 Clear Toughened Insulating Glass Unit with high quality and safety condition from us.**