

# **SGG 8MM+9A+8MM CLEAR TEMPERED INSULATED GLASS- Perfect Glass Facade System materials**

**Insulating Glass** is made of two or more glass sheets 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 penetration, 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.

## **Specification:**

Each single glass sheets thickness: 8mm, 5mm, 6mm, 10mm available

Air space thickness: 6A, 9A, 12A, 15A, 20A

Gas in space options: Air, Argon

Glass thickness: 5mm, 6mm, 8mm, 10mm, 12mm

Other glass options: clear float glass, low iron float glass, low-e glass, tinted glass, reflective glass, solar coated glass, tempered glass and laminated glass.

## **How does Energy saving glazing work?**

Heat always flows towards the cold. Therefore, window glass without a low-e coating will absorb the heat from your home and radiate it onto the colder outside surface, where it is lost. Low-e insulated glass has a special coating which is a poor radiator of heat and does not allow heat to be transferred to the outside. Instead, the low-e coating actually reflects the heat back into your room.

## **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%.

If you coated a low-e film that can block 85% of the sun's ultraviolet rays. It can reduce much home application consumption.

2. Anti-dew: Double glazing glass is filled enough desiccant which can efficiently absorb vapor in the inner space or penetrate from outside to ensure the gas in inner space is absolutely dry and won't dew.

3. Excellent Soundproof effect: Single glazing glass only reduce noise of 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:**

#### **Product pictures of SGG 8MM+9A+8MM 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.**