

# **SGG LOW E INSULATED GLASS CURTAIN WALL 8MM+12A+8MM-** Light and beautiful architectural aesthetics & energy efficiency

Insulated glass curtain wall also called facade glass, refers to the support structure system can be relative to the main structure of a certain displacement capacity and do not share the role of the main structure of the building envelope or decorative structure. Facade glass is a beautiful and innovative method of building wall decoration and is a modern high-rise building of the era of significant features. The facade glass are made by insulated glass.

## **Types of glass use in curtain wall glass:**

1. **8mm+8mm laminated glass** curtain wall
2. **8mm+8mm insulated glass** curtain wall

## **Functions of curtain wall glass:**

Modern high-rise facade normally used by insulated glass, with the composition of low e glass/coated reflective glass and ordinary clear glass combination, the compartment filled with dry air or inert gas insulating glass.

1. Insulating glass with noise insulation, heat insulation, anti-frost, anti-moisture, proof wind pressure and other advantages.
2. It was measured that when the outdoor temperature was -10 °C, the temperature before the single-glazed window was -2°C, and the room temperature using insulating glass was 13°C. In the hot summer, double-insulated glass can block 90% of the solar radiation heat. The sun can still be through the glass curtain wall, but most of the body will not feel hot in the sun. The use of hollow glass curtain wall of the room can keep warm in winter and cool in summer, greatly improving the living environment.

## **Styles of Facade glass:**

1. Framed curtain wall glass / Visible facade glass

A frame curtain wall glass is a curtain wall glass in which the metal frame is exposed on the outer surface. Framed curtain wall glass is the most traditional form, most widely used.

2. Hidden curtain wall glass / Invisible facade glass

Hidden frame curtain wall glass of the metal frame hidden in the back of the glass, outdoor invisible metal frame.

Hidden frame curtain wall glass structure is characterized by glass in the aluminum frame outside, with silicone sealant structure of the glass and aluminum frame bonding. Curtain wall load mainly by the sealant to bear.



### **Requirements for glass use in curtain wall glass:**

1. Safety glass & more than 12mm: Facade glass should use safety glass, the thickness of the single glass panel should not be less than 6mm, full glass facade thickness should not be less than 12mm.
2. Double sealed: The insulated glass for the facade glass shall be double-sealed.
3. PVB thickness above 0.76mm: Facade of laminated glass should be used polyvinyl butyral (PVB) film dry synthesis of laminated glass. In Point-supported laminated glass facade, the laminated film (PVB) thickness can not less than 0.76mm.
4. Glass edges grinded or polished: All curtain wall glass shall be edge grinded or polished.

### **Specifications:**

Thickness: 6mm +6mm, 8mm+8mm, 10mm+10mm etc

Glass composition: Reflective coated glass/ [Low e glass](#) + [Clear tempered glass](#)

### **Advantages for using glass facade:**

1. Curtain wall Glass is a new type of contemporary wall, which gives the building the biggest characteristic of architectural aesthetics, architectural features, building energy efficiency and structural factors such as organic unity, the building from different angles showing a different color, with the sun, Moonlight, lighting changes to the dynamic beauty.
2. Facade Glass is light and beautiful, not easy to pollution, energy conservation and other advantages. Curtain wall from the outer side of the glass coated with colored metal coating, from the exterior point of view the whole piece of the external wall is like a mirror, the sky and the surrounding environment into the scenery, light changes, the image colorful, changing. In the light of reflection, the room is not exposed to

strong light, soft vision.

3. Facade Glass can absorb infrared radiation, reduce the indoor radiation into the room, reduce the indoor temperature. It can reflect the light as a mirror, but also like the glass through the light.

### **Quality Control:**

As the glass facade is used very common in modern building, to control the quality is very important. Sun Global Glass provide facade glass comply with following standards:

1. Low e insulated glass curtain wall 8mm+12A+8mm meet BS 6206 UK safety glass standard.
2. Low e insulated glass curtain wall 8mm+12A+8mm meet EN 12150 CE European safety glass standard.
3. Low e insulated glass curtain wall 8mm+12A+8mm meet Chinese Safety Glass Compulsory Certification (CCC)

### **Product Details:**

#### **Product pictures of low e insulated glass curtain wall 8mm+12A+8mm:**





**Production Line of facade glass:**



**Package and Loading of facade glass:**



**Our Projects of facade glass:**

Philippines  
Avida Centera  
in 2014



Philippines  
AVIDA TOWERS  
in 2015



**Our promise is that you receiving low e insulated glass curtain wall 8mm+12A+8mm with high quality and safety condition from us.**