

## **Structural Glass Façade System--30.76mm Low E Double Glazing Glass Units**

Double glazing glass have significant features including: soundproof, energy saving, etc. When they become the external envelope of the construction not only fulfills the basic function of protecting the building's interior from the sun, the noise, it also offers a beautiful, impressive appearance to the outside world. Especially, when people use Low E glass as a part of Insulated Glass' combination, that can totally improve the performances of energy saving.

In this section 30.76mm Insulated Glass Unit is a creative glass combination which is 6mm Low E Tempered Glass and 12.76mm Tempered Laminated Glass are separated by a sealed vacuum or gas or argon gas filled space, here the space is 12mm width. A spacer, you can have aluminum spacer (metal spacer) or warm edge spacer for options.

**Shenzhen Sun Global Glass Co., Limited is a professional building glass manufacturer in China. We can offer you wide substrate glass options to meet different projects' demand.**



## 1. Glass Substrate:

1) **Tempered 6mm Low E Glass**, you can indicate glass maker, such as: 6mm AGC Sunergy Low E glass, SYP Low E Glass, etc. Both online coating Low E Tempered Glass and offline coating Low E toughened glass can be fine to be applied into this glass solution

2) **12.76mm Tempered Laminated Glass**, here can variety glass construction, following are some examples for your reference:

6mm tempered clear glass+0.76mm PVB film+6mm clear tempered glass;

6mm tinted tempered glass+0.76mm PVB film+6mm safety toughened glass,

6mm reflective tempered glass+0.76mm PVB film+6mm toughened glass,

6mm silkscreen glass+0.76mm PVB film+6mm low iron tempered glass,

6mm ultra clear tempered glass+0.76mm PVB film+6mm toughened ultra clear glass, etc.

Consider to the light transmittance of Insulated Glazing Glass, the Tempered Tinted Glass have some colors options: 6mm tempered french green tinted glass, 6mm toughened bronze tinted glass, 6mm tempered ford blue tinted glass, 6mm tempered pink tinted glass, 6mm euro grey tempered tinted glass;

Toughened Reflective Glass can be 6mm ford blue reflective tempered glass, 6mm euro grey coating reflective toughened glass, 6mm bronze reflective tempered glass, 6mm golden reflective toughened glass, 6mm pink reflective safety toughened glass, etc.

PVB film can also have multi-color options.

## **Specification:**

- 1.Glass product: 30.76mm Double Glazing Glass Unit
- 2.Glass construction: 6mm Low E toughened glass+ 12A+12.76mm tempered laminated glass
- 3.Aluminum space: 12mm thickness
- 4.Spacer: metal spacer (aluminum spacer) or warm edge spacer
- 5.Filled space: gas, vacuum, argon gas.
- 6.Glass substrates: 6mm Low E coating tempered glass, 6mm ultra clear tempered glass, 6mm clear tempered glass, 6mm tinted tempered glass, 6mm tempered reflective glass, 6mm silkscreen glass, 6mm frosted tempered glass, etc.
- 7.Packing: brand new, seaworthy, plywood packing with foam protection inside.
- 8.Application: exterior glass facade, glass envelope, glass walls, glass curtain walls, glazing glass facade, etc.

## **Features:**

30.76mm Low E Double Glazing Units are with functional performance and quality in terms of:

- 1.thermal insulation
- 2.reduction in solar heat gain
- 3.light transmittance
- 4.sound reduction

## 5.weather resistance



### **Applications:**

30.76mm Low E tempered insulated glass totally support for framing and glazing systems, facade systems, etc. The more application as below:

1. structural glass façade,
2. curtain walling
3. windows
4. roofs
5. framed and frameless ground floor glass screenwork
6. framed and frameless glass commercial doors

**The performance criterion of a Double Glazing Façade are determined by:**

the intended use and occupancy of the building, the nature of the interior environment, the safety of the occupants and the level of security required  
forces acting on the façade: it must be designed to withstand wind-loading, to support its own weight, and it must be weather-resistant.