

## SGG insulated glass 5mm+5mm- SOUND PROOF GLASS & HEAT INSULATION GLASS & SOLAR ENERGY SAVING GLASS BUILDING MATERIAL

**Insulated glass 5mm+5mm/Insulated glass units 5mm+5mm**(IGUs) also called insulated glass unit, insulated glazing units, thermal insulation units, double pane glass, dual pane glass, double pane insulated glass, thermal insulation glass, thermal seal insulating glass, double insulated glass Insulated glass is composed of two or more layers of flat/ curved glass, surrounded by high-strength high-density composite adhesive, the two or more pieces of **5mm tempered glass** and seal, the glass of the bonding and sealing. The middle filled with dry gas, the spacer filled with desiccant to ensure that the glass between the air dryness. The function of air/gas spacer is reduce water vapor penetration.The insulated glass unit is sealed by a secondary edge seal and that make structural robustness to the insulated glass. The aluminum spacer contains a desiccant and can absorb humidity from or within the air space.

### Specifications:

The insulated glass can made by any types of glass, such as clear glass ,tinted glass, reflective glass, low-e glass, tempered glass and laminated glass, etc.

Air spacer are with 6mm 9mm 12mm 15mm 20mm thickness.

Sun Global Glass insulated glass has enough desiccant in the space bar and from three sides that are primary seal and secondary seal by machinery operation.

- 1.Max: 3300x8000mm
- 2.Min:180x350mm
- 3.Custom sizes based on customers requirements

Single Glass thickness	5mm+5mm 6mm+6mm 8mm+8mm 10mm+10mm
Spacer thickness	6A, 9A, 12A, 15A, 20A
Gas in Spacer	Air, Argon Gas
Glass color	Clear, ultra clear, bronze, blue, green, gray
Insulated glass size	1.Max: 3300x8000mm 2.Min:180x350mm 3.Custom sizes based on customers requirements
Insulated glass composition	1. Clear tempered glass+ Low e tempered glass 2. Clear tempered glass+Reflective tempered glass 3. Clear tempered glass + Tinted tempered glass 4. Customized composition based on requirements.

### **Features:**

Insulated glass combine with a solar control glass in a double glazed unit. The best advantages for insulated glass is to reduce thermal losses and the best way to improve the energy efficiency of a window or facade is insulated glass units.

- 1.Energy-saving effect, To reduce the indoor heating, play a great efficiency. Therefore, the greater the window opened, the more obvious energy-saving effect.

2.Improve the indoor environment, High-performance insulating glass can intercept the considerable energy from the sun into the room, thus preventing discomfort caused by radiant heat and reducing dizziness caused by sunset sunlight.

3.Rich colors and artistic, high-performance insulating glass has a variety of colors, can be selected according to the color, in order to achieve better artistic results.

4.Constant temperature and humidity of the special buildings, high-performance insulating glass use, For office buildings, exhibition rooms, libraries and other public facilities and computer rooms, precision instrument workshops, chemical plants and other requirements of constant temperature and humidity of the special buildings.

5. Sun protection and anti-evening light dazzling place,insulated glass can be used for sun protection and anti-evening light dazzling place.

### **Applications:**

Insulating glass is mainly used for outer glass decoration. Its optical properties, thermal conductivity, sound insulation coefficient should be consistent with international standards. Reasonable structure and design to meet the standards of the hollow glass, in order to play its insulation, proof noise, security, proof fire effect.

Insulating glass is mainly used for buildings that require heating, air conditioning, noise or condensation protection, and the need for direct sunlight and special light. Widely used in residential, hotels, office buildings, schools, hospitals, shops and other indoor air conditioning. Can also be used for trains, cars, ships, doors and windows,freezer, etc.

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

1.Outside usage, curtain wall glass, facade glass etc

2.Inside usage, window glass, door glass, railing glass etc.

### **Quality:**

Insulated glass 5mm+5mm Conforms to the standards of Europe, North American and China: ISO, CCC, CE, BS6206, EN12510.

### **Product Details:**

**Product pictures of insulated glass 5mm+5mm:**



### low e insulated glass performance:

SGG ONLINE LOW-E IGU GLASS DATA										
Single 2 #	Thickness	可见光Visible Light			阳光Solar Energy			U值	太阳得热系数	遮阳系数
		LT%	LR%		投射率 %	反射率 %	UV透射率%			
Monolithic	mm	Transmittance	Outside	Inside	Transmittance	Reflectance	TUV	U Value	SHGC	SC
Clear glass +12mm spacer + SGG LOW-E GLASS Same Thickness, 2#	3	75	17	18	59	15	45	1.9	0.65	0.75
	4	74	16	17	56	14	42	1.9	0.63	0.73
	5	74	17	17	55	14	41	1.9	0.63	0.73
	6	73	16	17	52	13	37	1.8	0.62	0.71
	8	71	15	16	47	12	32	1.8	0.58	0.67
	10	69	15	16	43	12	29	1.8	0.56	0.64
	12	68	15	16	39	10	28	1.9	0.54	0.62

**Production Line:**



**Package and Loading:**







**Our Projects:**



**Our promise is that you receiving insulated glass 5mm+5mm with high quality and safety condition from us.**