

# SGG 5MM+15A+5MM INSULATED GLASS SOUND PROOF GLASS & HEAT INSULATION GLASS & SOLAR ENERGY SAVING GLASS BUILDING MATERIAL

**5mm+15A+5mm insulated glass** also called 5mm+15A+5mm insulated glass unit (IGU), 5mm+5mm insulated glazing units, 5mm+15A+5mm hollow glass, sound-proof glass, sound insulating glazing, double insulated glass, etc. It can be composed of two pieces of [5mm clear glass](#) sheets or one piece of 5mm clear glass sheet and another piece of [5mm low E glass](#), [5mm reflective glass](#) and so on, surrounded by high-strength and high-density composite adhesive, two layers of 5mm glass sealed. The middle spacer will be filled with dry gas and desiccant to ensure that the gas in spacer is dryness. Usually the gas in the spacer can be air, argon.

## Specifications:

Product name: 5mm+15A+5mm insulated glass

Other name: 5mm+15A+5mm hollow glass, 5mm+5mm sound proof glass, insulating glass, heat proof glass, sound insulation glass, double glazing, double glazed glass, insulation glass

Shape available: flat insulated glass, curved insulated glass

Composition: glass+aluminum insulation spacer(with dry gas)+glass

Spacer: Air or argon gas

Spacer thickness: 6A 9A 12A 15A 20A

Glass color: Clear, ultra clear, bronze, blue, green, gray, etc

Thickness of single glass: 5mm 6mm 8mm 10mm 12mm

composition: Clear glass + low e glass/reflective glass/ tempered glass, etc

Size: Max size: 2700x3700mm , Min Size:180x350mm, Customized sizes

## Features:

- 1.Solar energy saving: insulated glass have a good function of heat saving.
- 2.Sound-proof: 5mm+15A+5mm insulated glass can block the sound transmission efficiently and usually used as sound-proof wall.
- 3.Preventing radiation heat: Insulated glass can prevent radiation heat, reduce dizziness of sunset and sunshine.
- 4.Optical performance: can keep indoor temperature and humidity constant.
- 5.Insulated glass can be produced by any types of colored glass and the colored insulated glass achieve artistic effect.

## Applications:

Reasonable structure and design to meet the standards of insulated glass, As hollow glass have good insulation function(such as proof noise, security, proof fire). Insulating glass is widely used for buildings that have requirement for heating, air conditioning, noise or condensation protection and avoid from direct

sunlight and special light radiation.

- 1.Used as residential window & doors
- 2.Used as sound-proof wall reduce noise pollution
- 3.Used as buildings curtain wall and facade
- 4.Used as partition wall.

### **Quality Control:**

Insulating glass is used for outer building decoration. Due to its optical properties, thermal conductivity, sound insulation coefficient, our Insulated glass Conforms to the following international standards of Europe, North American and China: ISO9001, CCC, CE, BS6206, EN12510, ANSI Z97.

### **Product Details:**

**Product pictures of 5mm+15A+5mm insulated glass :**



**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:



**Applications:**



**We promise that you will receive 5mm+15A+5mm insulated glass with high quality and safety condition from us.**