

## SGG 6MM+6MM CLEAR LOW E INSULATED GLASS- SOUND PROOF GLASS & HEAT INSULATION GLASS & SOLAR ENERGY SAVING GLASS BUILDING MATERIAL

**CLEAR LOW E INSULATED GLASS**/Insulated glass units(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 is made of two or more pieces of glass with the middle part separated by the insulation Aluminum spacer which is filled with dehydrated air or gas. The hollow glass part is filled with dry air or inert gas and sealed by butyl glue, sulfur glue or structural sealant. 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 from [clear glass](#) ,[tinted glass](#), reflective glass, low-e glass, [tempered glass](#) and [laminated glass](#).

Air spacer are with 6mm 9mm 12mm 15mm 20mm thickness. SGG insulated glass has enough desiccant in the space bar and from three sides that are primary seal and secondary seal by machinery operation.

Single Glass thickness	5mm 6mm 8mm 10mm
Spacer thickness	6A, 9A, 12A, 15A, 20A
Gas in Spacer	Air, Argon
Glass color	Clear, ultra clear, bronze, blue, green, gray
Insulated glass size	1.Max: 2700x3700mm 2.Min:180x350mm 3.Custom sizes
Insulated glass composition	1.Clear tempered glass+ Low e tempered glass 2.Clear tempered glass+Reflective tempered glass 3.Or 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.Perfect transparency:** insulated glass unit allows maximum light penetration and keeps the interior side warm by reducing the incidence of condensation on the warm air side.
- 2.Low enery consumption:** insulated glass unit reduces solar heat, and helps to save energy and protect the environment.
- 3.Advanced thermal insulation:** insulated glass unit Provides the possibility of using larger glazed areas without increasing energy consumption.
- 4.Sound insulation/proof:** insulated glass unit have a good function of sound insulation.

### **Applications:**

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 Conforms to the standards of Europe, North American and China: ISO, CCC, CE, BS6206, EN12510, ANSI Z97.

### **Product Details:**

**Product pictures of Clear low e insulated glass 6mm+6mm:**



**Clear 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%			
			Outside	Inside						
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:**



Philippines  
Avida Centera  
in 2014



Philippines  
AVIDA TOWERS  
in 2015



**Our promise is that you receiving clear low e insulated glass 6mm +6mm with high quality and safety condition from us.**