

## **SZG 8MM TEMPERED GLASS+12A+8MM TEMPERED LOW E INSULATED GLASS**-Energy saving ,sound proof and Light pollution prevention

**Low e insulated glass/Insulated glass units**(IGUs) is made of two or more pieces of glass glazing sheets which might be low e or reflective glass or normal float colored glass and use sealant gumming and aluminum spacers which was filled with desiccant together. Insulated glass/ Hollow glass/IGU/Double glazing glass with the perimeter of the spacer that gets in contact with the glass is properly sealed with primary and secondary sealants to ensure it with air/argon tight.the most of advantages with insulated glass is reduce thermal losses,lower energy consumption,with the high efficient energy saving and thermal remain,it can save a lot home application consumption.

### Specifications:

Each single glass sheets thickness:8mm,5mm,6mm,10mm available

Air space thickness:6A,9A,12A,15A,20A

Gas in space options:Air,Argon

Glass thickness:5mm,6mm,8mm,

Max: 2700x3700mm

Min:180x350mm

Custom sizes based on customers requirements

Available 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.

Other glass options:clear float glass,low iron float glass,,tinted glass,reflective glasssolar coated glass, and laminated glass.

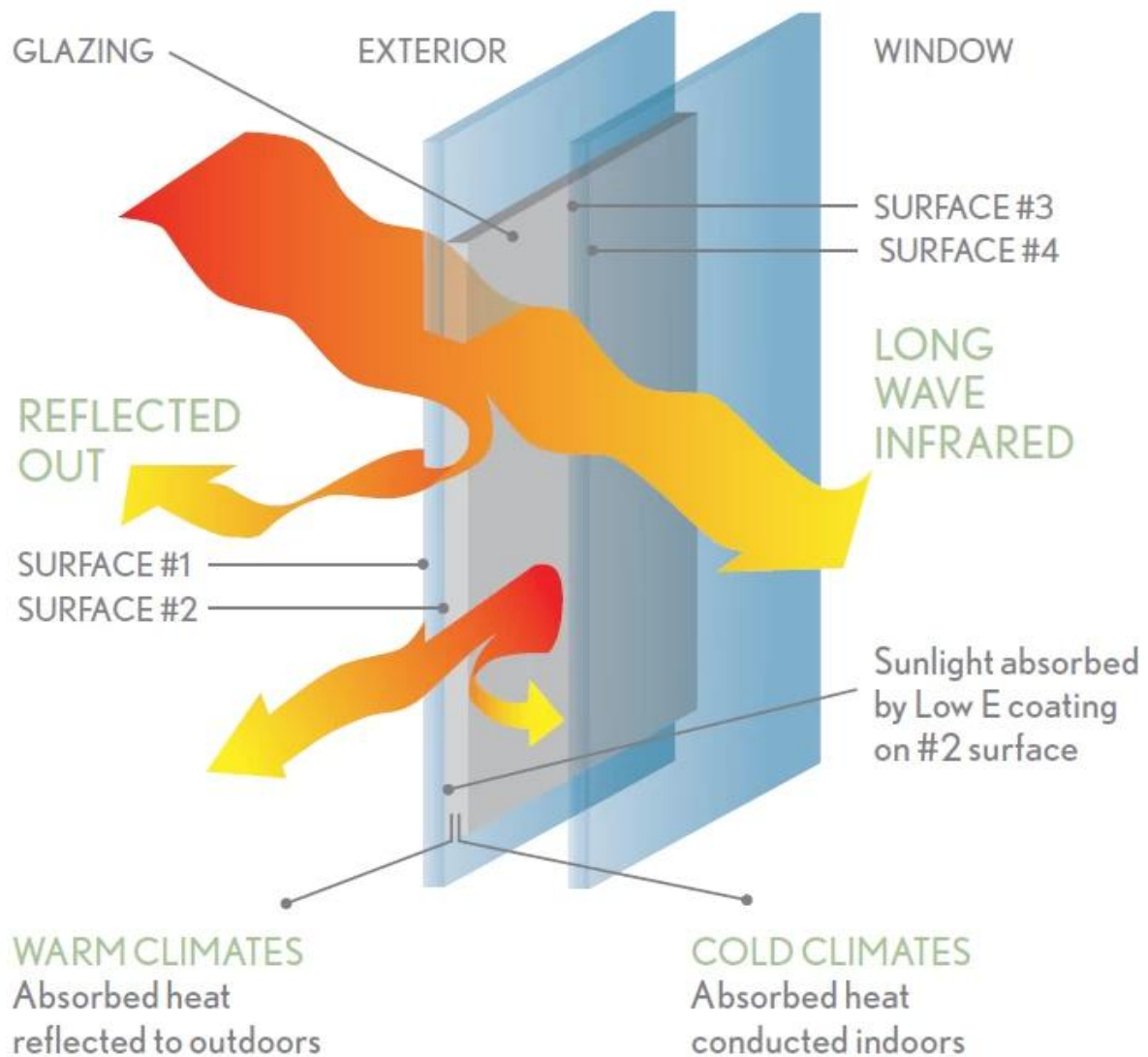
### **Features:**

- 1). Optical performance Visible LT 10%-80% and LR13%-35% depends on different panes of Insulated glass
- 2). Thermal feature Insulating glass can reduce U value, especially when filled with inert gas
- 3). Sound insulation Insulated glass can lower the noise, if applied with laminated pane,80 decibels of traffic noise could be as low as 45 decibels
- 4) Anti-dew: Double glazing glass is filled enough desiccant which can efficiently absorb vapor in the inner space or penetrated from outside to ensure the gas in inner space is absolutely dry and won't dew.

### **How does Energy saving glazing work?**

Heat always flows towards the cold. Therefore, window glass without a low-e coating will absorb the heat from your home and radiate it onto the colder outside surface, where it is lost. Low-e insulated glass has a

special coating which is a poor radiator of heat and does not allow heat to be transferred to the outside. Instead, the low-e coating actually reflects the heat back into your room.



### **Applications:**

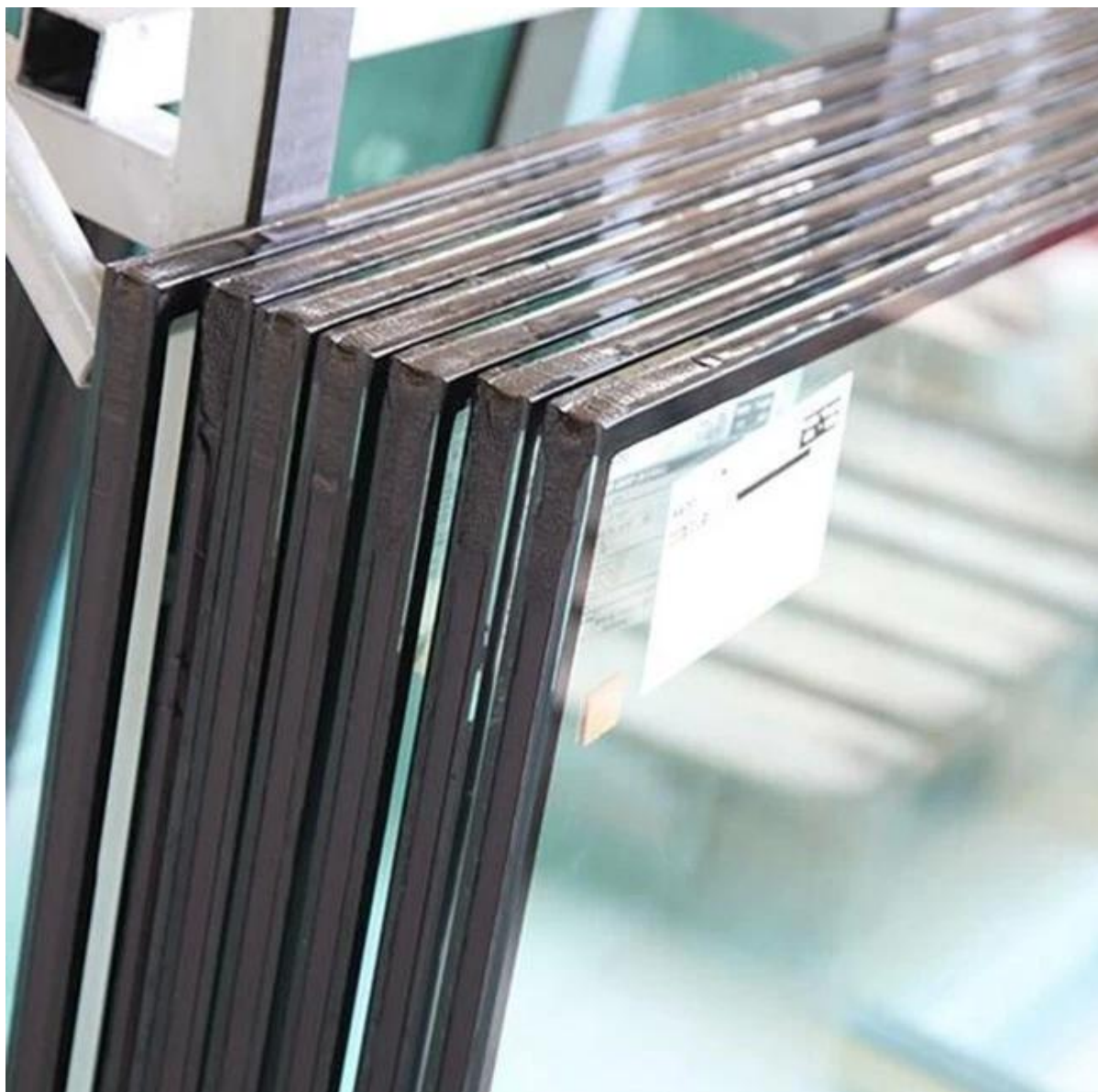
Insulated glass have high energy saving and sound proof ,anti UV rays,so insulated can widely used in curtain wall glass,glass facade,double glazing units window glass pane,double glazing partition.especially residential windows and curtain wall,

### **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 8MM TEMPERED GLASS+12A ARGON SPACER+8MM TEMPERED LOW E 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:**



### **Our Projects:**



Philippines  
Avida Centera  
in 2014



Philippines  
AVIDA TOWERS  
in 2015



**Our promise is that you receiving 8MM+8MM LOW E INSULATED GLASS with high quality and safety condition from us.**