

SGG 5MM+5MM LOW E INSULATED GLASS- SOUND PROOF GLASS & HEAT INSULATION GLASS & SOLAR ENERGY SAVING GLASS BUILDING MATERIAL

5mm+5mm 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 Insulated glass is composed of one layer of 5mm low e glass and one layer of [5mm clear glass](#), surrounded by high-strength and high-density composite adhesive, two layers of 5mm glass sealed. The middle spacer is filled with dry gas and desiccant to ensure that the gas in spacer is dryness. The function of air/argon gas spacer is to reduce water vapor penetration.

Specifications:

- 1.Raw glass type: clear glass, tinted glass, reflective glass, low e glass, [tempered glass](#), [laminated glass](#) etc.
- 2.Glass thickness: 5mm+5mm 6mm+6mm 8mm+8mm etc
- 3.Aluminum spacer thickness: 6A 9A 12A 15A 20A
- 4.Gas in air spacer: Air or argon gas
- 5.Glass color: Clear, ultra clear, bronze, blue, green, gray, etc
- 6.Max size: 2700x3700mm
Min Size:180x350mm
Custom sizes based on customers requirements
- 7.Insulated glass composition: Clear tempered glass + low e tempered glass/reflective tempered glass/tinted tempered glass etc

Features:

1. Solar energy saving function: insulated glass have a good function of heat saving.
2. Preventing radiation heat: Insulated glass can prevent radiation heat, reduce dizziness of sunset and sunlight.
- 3.Various colors and artistic performance; insulated glass can be produced by any types of colored glass and the colored insulated glass achieve artistic effect.
- 4.Keep indoor constant temperature and humidity: insulated glass can keep inside temperature constant in some degree.
5. Sun protection: insulated glass have a good function against sun shine and protect humans from sun irradiation.

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.Residential window & doors
- 2.Office buildings curtain wall and facade

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+5mm 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 TOWERS
in 2015



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