



Your Dreams, Our Challenge

SOLAR CONTROL GLAZING

SUNERGY

Energy-saving
Glass Solutions for Façades



Leading Glass Supplier & Manufacturer in Asia

Delivering glass solutions for the cities of tomorrow.

AGC Glass Asia Pacific, part of the global AGC Group, is a recognised Glass Supplier & Manufacturer in Asia, providing unrivalled expertise in glass technologies.

With AGC's unique network of experience and expertise, our customers enjoy a one-stop integrated opportunity to a wide range of world-class products and solutions for all their glass needs, with a wide range of glass solutions for a multitude of applications – Residential, Commercial Buildings, Interior and Appliances.

AGC Glass Asia's Glass Solutions towards Net Zero Building

Green Building rating systems such as LEED, WELL, BCA Green Mark, Green Star etc. are widely used to support building owners, architects and consultants in the design and construction of sustainable buildings. The prioritisation of sustainable building materials has been increasingly amplified over the years.

In commitment of promoting sustainable practices in the green built environment, AGC aims to contribute to the sustainability of the global environment through product optimisation and innovation.

AGC is committed in ensuring our glass products are safe and responsibly made, combining functionality and sustainability. Our energy-saving coated glass range supports green buildings with EPD verifications and green product certifications.

We adopt a holistic approach to support the sustainability efforts of Asia Pacific's building industry.

We are

- A founding partner in the World Green Building Council Asia Pacific Regional Network.
- The fore runner in producing our glass products in Asia Pacific region to obtain Environmental Product Declaration (EPD) verification, and being awarded with green product certifications under the Singapore Green Building Product (SGBP) Certification Scheme and Cradle to Cradle Certified® Product Standard.

GLASS FOR QUALITY LIFE





Versatile with neutral aesthetics

Sunergy is a pyrolytic coated glass that is highly scratch-resistant and can be bent, tempered and laminated, making it one of the favorite choices for complex constructions.

Together with its excellent solar control properties, low reflection and neutral appearance, Sunergy is definitely an ideal product in today's architectural world.

PRODUCT FEATURES

Excellent Solar Control

- > Keeps the heat out thereby maintaining comfortable temperatures indoor.
- > Reduces energy cost needed for air-conditioning.

Low Emissivity

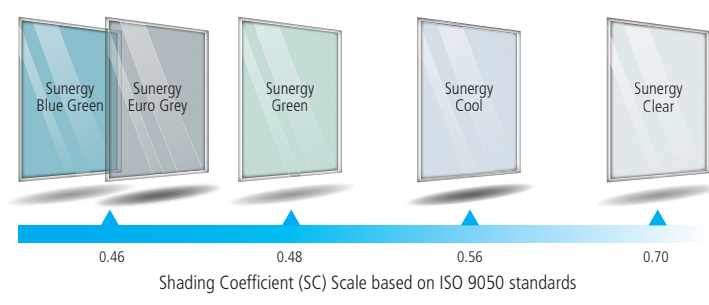
- > Delivers thermal insulation properties to keep comfortable temperatures within the building.

Wide variety of visual appearances

- > Provides architects with an array of aesthetic choices.

Durable Pyrolytic Coating

- > Withstands harsh environmental conditions such as extreme temperature changes, pollution and corrosion.
- > Allows for long term storage due to infinite shelf life.
- > Provides easy handling and multiple processing options.



Disclaimer: Illustrated colors are only an indication of actual color. Please refer to actual glass samples to get the accurate glass color.

PRODUCT RANGE

	Colour	3mm	4mm	5mm	6mm	8mm	10mm
Clear	Clear	•	•	•	•	•	•
	Cool			•	•	•	•
Tinted	Green				•	•	
	Blue Green				•	•	
	Euro Grey				•	•	

AGC is committed to help you achieve your sustainability goals.
Laminated Sunergy Cool is certified under the Singapore Green Building Product Certification (Excellent).



PROCESSING OPTIONS

Safety	Tempering & Heat Strengthening	Yes
	Laminating	Yes ⁽¹⁾
Insulation	IGU	Yes ⁽²⁾
Cutting	Straight or Circular ⁽⁴⁾	Yes
	Edge Grinding ⁽⁴⁾	Yes
	Hole Drilling ⁽⁴⁾	Yes
	Notches ⁽⁴⁾	Yes
Shaping & Edge Finishing	Edge Deletion	No
	Curving or Bending	Yes
Special Treatment	Silkscreen Printing	Yes ⁽³⁾

⁽¹⁾ Coating is not low-E if placed next to PVB

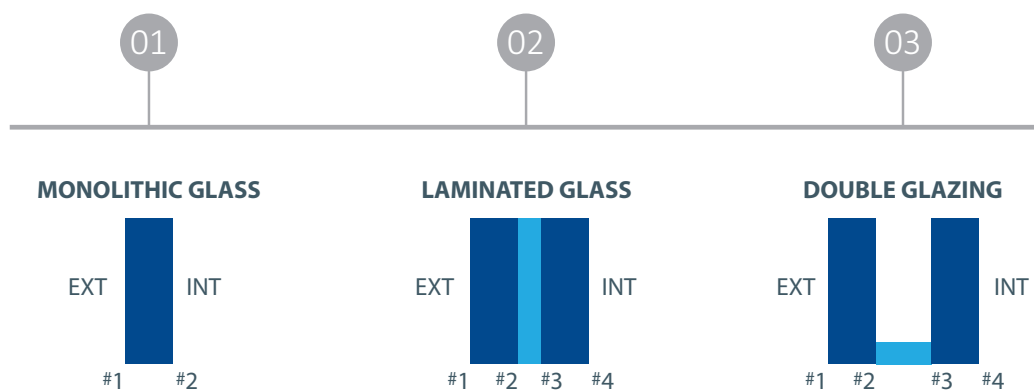
⁽²⁾ Recommended position #2

⁽³⁾ Certain conditions apply

⁽⁴⁾ After tempering, all glasses cannot be cut, edge grind, drill and notches

GLASS CONFIGURATION

The numbering of glass surfaces and position of coatings for various glass configurations are given below.



Performance Table

SUNERGY

	Light Performances			Energy Performances							U Value (W/m ² ·K)	
	VLT (%)	VLR Ext (%)	VLR Int (%)	ER (%)	DET (%)	EA (%)	SF (%)		SC		EN 673	NFRC (Summer)
							ISO	EN	ISO	EN		
Single Glass 6mm, Coating Position #2												
Sunergy Clear	69	8	10	9	52	39	59	59	0.68	0.68	4.0	3.3
Sunergy Cool	50	6	9	7	38	55	48	48	0.56	0.55	4.4	3.6
Sunergy Green	56	7	10	6	30	64	42	41	0.48	0.47	4.1	3.3
Sunergy Blue Green	47	7	9	6	27	67	40	39	0.46	0.45	4.1	3.6
Sunergy Euro Grey	34	6	8	6	28	66	40	39	0.46	0.45	4.1	3.3
Single Glass 8mm, Coating Position #2												
Sunergy Clear	68	8	10	8	50	41	58	57	0.66	0.66	4.0	3.2
Sunergy Cool	50	6	9	7	36	57	47	47	0.55	0.54	4.3	3.6
Sunergy Green	51	7	9	6	25	70	38	37	0.43	0.43	4.1	3.3
Sunergy Blue Green	42	6	9	5	22	72	36	35	0.41	0.40	4.1	3.3
Sunergy Euro Grey	27	5	8	6	22	72	35	34	0.41	0.39	4.0	3.3
Double Glazing Unit 6-12-6, 6mm Sunergy #2 + 12mm 100% Air + 6mm Clear												
Sunergy Clear	62	12	16	11	43	46	51	51	0.59	0.58	2.1	2.1
Sunergy Cool	45	9	15	8	31	60	40	39	0.46	0.45	2.3	2.3
Sunergy Green	51	10	16	7	26	67	33	33	0.38	0.38	2.1	2.2
Sunergy Blue Green	42	8	15	7	23	70	31	31	0.36	0.36	2.2	2.2
Sunergy Euro Grey	30	6	15	7	23	70	31	31	0.36	0.36	2.1	2.2

Performance Table

SUNERGY

	Light Performances			Energy Performances							U Value (W/m ² ·K)	
	VLT (%)	VLR Ext (%)	VLR Int (%)	ER (%)	DET (%)	EA (%)	SF (%)		SC		EN 673	NFRC (Summer)
							ISO	EN	ISO	EN		
Double Glazing Unit 6-12-6, 6mm Sunergy #2 + 12mm 100% Air + 6mm Planibel G #3												
Sunergy Clear	56	13	17	11	38	50	49	49	0.56	0.56	1.8	1.8
Sunergy Cool	41	9	16	9	28	64	38	37	0.43	0.43	1.9	1.9
Sunergy Green	46	11	16	7	23	70	31	31	0.36	0.36	1.8	1.8
Sunergy Blue Green	39	9	16	7	21	72	29	29	0.34	0.34	1.8	1.8
Sunergy Euro Grey	28	7	15	7	20	73	30	29	0.34	0.34	1.8	1.8
Double Glazing Unit 8-12-8, 8mm Sunergy #2 + 12mm 100% Air + 8mm Clear												
Sunergy Clear	61	12	16	10	40	49	49	49	0.56	0.56	2.1	2.1
Sunergy Cool	44	8	15	8	29	63	38	38	0.44	0.44	2.3	2.3
Sunergy Green	46	9	15	6	21	72	29	29	0.34	0.33	2.1	2.1
Sunergy Blue Green	37	8	15	6	19	75	27	27	0.31	0.31	2.1	2.2
Sunergy Euro Grey	24	6	14	6	18	76	27	26	0.31	0.30	2.1	2.1
Double Glazing Unit 8-12-8, 8mm Sunergy #2 + 12mm 100% Air + 8mm Planibel G #3												
Sunergy Clear	55	13	16	11	36	53	47	47	0.54	0.54	1.8	1.8
Sunergy Cool	40	9	16	8	26	66	36	36	0.42	0.42	1.8	1.9
Sunergy Green	42	10	16	7	19	74	27	27	0.32	0.31	1.8	1.8
Sunergy Blue Green	34	8	16	6	17	77	25	25	0.29	0.29	1.8	1.8
Sunergy Euro Grey	22	6	15	6	16	78	25	25	0.29	0.28	1.8	1.8

Performance Table

SUNERGY

	Light Performances			Energy Performances							U Value (W/m ² .K)	
	VLT (%)	VLR Ext (%)	VLR Int (%)	ER (%)	DET (%)	EA (%)	SF (%)		SC		EN 673	NFRC (Summer)
							ISO	EN	ISO	EN		
Laminated, 6mm Clear + 1.52mm Clear PVB + 6mm Sunergy #4												
Sunergy Clear	67	8	10	7	44	49	53	52	0.61	0.60	3.8	3.1
Sunergy Cool	49	6	9	6	32	62	44	43	0.51	0.50	4.1	3.5
Sunergy Green	55	7	10	5	27	68	39	38	0.45	0.44	3.9	3.2
Sunergy Blue Green	46	6	9	5	24	71	37	36	0.43	0.42	3.9	3.2
Sunergy Euro Grey	33	5	8	5	24	71	37	36	0.42	0.41	3.9	3.2
Laminated, 6mm Sunergy #2 + 1.52mm Clear PVB + 6mm Planibel G #4												
Sunergy Clear	62	8	10	9	40	51	48	48	0.56	0.55	3.5	2.8
Sunergy Cool	46	6	9	7	29	64	40	39	0.46	0.45	3.5	2.8
Sunergy Green	48	7	9	6	23	71	35	34	0.40	0.39	3.5	2.8
Sunergy Blue Green	43	6	9	6	22	72	34	34	0.39	0.39	3.5	2.8
Sunergy Euro Grey	31	5	9	6	22	71	34	33	0.39	0.38	3.5	2.8
Laminated, 8mm Clear + 1.52mm Clear PVB + 8mm Sunergy #4												
Sunergy Clear	66	8	10	6	41	53	50	50	0.58	0.57	3.8	3.1
Sunergy Cool	48	6	9	6	30	64	43	42	0.49	0.48	4.1	3.4
Sunergy Green	50	6	9	5	22	73	36	35	0.41	0.40	3.8	3.1
Sunergy Blue Green	40	6	9	5	20	75	34	33	0.39	0.38	3.8	3.1
Sunergy Euro Grey	26	5	8	5	19	77	33	31	0.37	0.36	3.8	3.1
Laminated, 8mm Sunergy #2 + 1.52mm Clear PVB + 8mm Planibel G #4												
Sunergy Clear	61	8	10	8	37	54	46	46	0.53	0.53	3.5	2.7
Sunergy Cool	45	6	9	6	27	66	38	37	0.44	0.43	3.5	2.7
Sunergy Green	43	6	9	5	19	75	32	31	0.36	0.36	3.5	2.7
Sunergy Blue Green	38	6	9	5	18	77	31	30	0.36	0.35	3.5	2.7
Sunergy Euro Grey	25	5	9	6	17	77	30	29	0.34	0.34	3.5	2.7

All data are calculated using spectral measurements that conform to standards ISO 9050 (2003) (light & energy performances), EN 673 and NFRC 100-2010/200-2010 (U-values) and are subjected to change without prior notice. AGC cannot be held responsible for any deviation between the data introduced and the conditions on site. AGC strongly recommends to apply heat soak test to reduce the risk of spontaneous breakage. AGC cannot guarantee against spontaneous breakage due to characteristics of glass. For additional glass configurations, please contact our sales person.



TAS: Technical Advisory Service

The AGC Technical Advisory Service is a team of glass experts offering technical support to AGC Certified Processors, who are well-qualified and experienced independent glass fabricators, certified to handle and process AGC's high-performance glass products. This technical support covers topics such as: technical data sheets, thermal analysis including evaluation of the risk of thermal stress, acoustic advice, installation guidelines, engineering support for special glass applications and more.

If you would like to find out more about the AGC TAS Team or are interested to be an AGC Certified Processor, please contact your local AGC representative for assistance.



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With our Asia headquarters located in Singapore, AGC Asia Pacific is dedicated to provide solutions in the Architectural, Automotive, Industrial and Solar industry in the region. As part of the global AGC group, we take pride in offering our customers a unique global network of experience & expertise with a one-stop integrated access to our wide range of world-class products and solutions that contributes to the global sustainable environment.

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