



Your Dreams, Our Challenge

SOLAR CONTROL GLAZING

# SUNLUX GOLD SS

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





# Magnetron Reflective Glass

Sunlux Gold SS is a zero-silver coated glass with gold appearance. It is part of AGC's latest technology in designing a coated product which provides not only good shading efficiency, but with gold aesthetics. This product is particularly well adapted for tropical climates.

It is ideal for facades with gilded aesthetic and for creating distinctive interior moods as interior glass.

## PRODUCT FEATURES

### Good Solar Control

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

### Durable coating

- > Allows for long term storage due to long shelf life.
- > Provides easy handling and multiple processing options.

### Short lead time

- > Delivery from within Asia.



**PRODUCT RANGE**

	5mm	6mm	8mm
SS 13/20 (Annealed / Tempered)	•	•	•
SS 30/35 (Annealed / Tempered)	•	•	•

AGC is committed to help you achieve your sustainability goals.



Sunlux Gold SS 13/20 (Annealed)

## PROCESSING OPTIONS

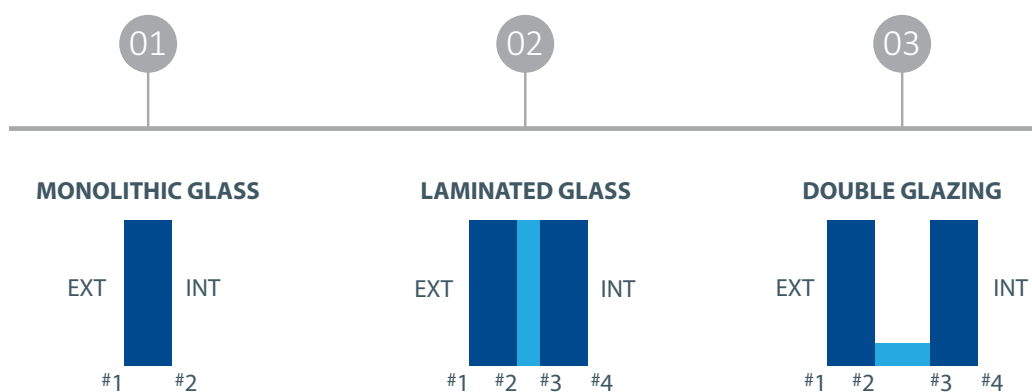
Safety	Tempering & Heat Strengthening	Yes
	Laminating	Yes
Insulation	IGU	Yes <sup>(1)</sup>
Cutting	Straight or Circular <sup>(2)</sup>	Yes
Shaping & Edge Finishing	Edge Grinding <sup>(2)</sup>	Yes
	Hole Drilling <sup>(2)</sup>	Yes
	Notches <sup>(2)</sup>	Yes
	Edge Deletion	No
Special Treatment	Curving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

<sup>(1)</sup> Recommended position #2

<sup>(2)</sup> 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

## SUNLUX GOLD SS

	Light Performances			Energy Performances							U Value (W/m <sup>2</sup> .K)	
	VLT (%)	VLR Ext (%)	VLR Int (%)	ER (%)	DET (%)	EA (%)	SF (%)		SC		EN 673	NFRC (Summer)
							ISO	EN	ISO	EN		
Single Glass 5mm, Coating Position #2												
Sunlux Gold SS 13/20 Annealed	13	24	34	27	10	63	21	21	0.24	0.24	4.1	3.3
Sunlux Gold SS 13/20 Tempered	13	27	36	29	9	62	20	19	0.23	0.22	3.9	3.1
Sunlux Gold SS 30/35 Annealed	29	14	16	17	23	60	35	34	0.40	0.39	4.6	3.9
Sunlux Gold SS 30/35 Tempered	30	15	19	17	24	58	36	35	0.41	0.40	4.5	3.8
Single Glass 6mm, Coating Position #2												
Sunlux Gold SS 13/20 Annealed	13	24	34	26	10	64	21	21	0.25	0.24	4.1	3.3
Sunlux Gold SS 13/20 Tempered	13	27	36	28	9	63	20	19	0.23	0.22	3.9	3.1
Sunlux Gold SS 30/35 Annealed	29	14	16	17	22	61	35	34	0.40	0.39	4.6	3.9
Sunlux Gold SS 30/35 Tempered	30	15	19	17	24	59	36	35	0.41	0.40	4.4	3.7
Single Glass 8mm, Coating Position #2												
Sunlux Gold SS 13/20 Annealed	13	24	34	24	9	67	21	21	0.25	0.24	4.0	3.3
Sunlux Gold SS 13/20 Tempered	12	26	36	26	9	66	20	19	0.23	0.22	3.9	3.1
Sunlux Gold SS 30/35 Annealed	29	14	16	15	21	63	34	33	0.40	0.38	4.5	3.9
Sunlux Gold SS 30/35 Tempered	30	15	19	15	23	62	35	34	0.41	0.39	4.4	3.7
Laminated, 5mm Clear + 1.52mm Clear PVB + 5mm Sunlux Gold SS #4												
Sunlux Gold SS 13/20 Annealed	13	23	34	20	8	72	21	20	0.25	0.23	3.9	3.2
Sunlux Gold SS 13/20 Tempered	12	26	36	21	8	71	20	19	0.23	0.22	3.7	3.0
Sunlux Gold SS 30/35 Annealed	29	13	16	13	19	68	33	32	0.38	0.37	4.3	3.7
Sunlux Gold SS 30/35 Tempered	30	15	19	13	21	66	34	33	0.39	0.37	4.2	3.6
Laminated, 6mm Clear + 1.52mm Clear PVB + 6mm Sunlux Gold SS #4												
Sunlux Gold SS 13/20 Annealed	13	23	34	19	8	73	21	20	0.25	0.23	3.9	3.2
Sunlux Gold SS 13/20 Tempered	12	26	36	20	8	72	20	19	0.23	0.22	3.7	3.0
Sunlux Gold SS 30/35 Annealed	28	13	16	12	19	69	33	32	0.38	0.36	4.3	3.7
Sunlux Gold SS 30/35 Tempered	29	14	19	12	20	68	33	32	0.38	0.37	4.2	3.6
Laminated, 8mm Clear + 1.52mm Clear PVB + 8mm Sunlux Gold SS #4												
Sunlux Gold SS 13/20 Annealed	13	22	34	17	8	76	21	20	0.25	0.23	3.8	3.1
Sunlux Gold SS 13/20 Tempered	12	25	36	18	7	75	20	19	0.23	0.22	3.6	2.9
Sunlux Gold SS 30/35 Annealed	28	13	16	11	17	72	32	31	0.37	0.35	4.2	3.6
Sunlux Gold SS 30/35 Tempered	29	14	19	11	19	70	33	31	0.37	0.36	4.1	3.5
Double Glazing Unit 6-12-6, 6mm Sunlux Gold SS #2 + 12mm 100% Air + 6mm Clear												
Sunlux Gold SS 13/20 Annealed	12	24	36	26	8	66	15	15	0.17	0.17	2.1	2.2
Sunlux Gold SS 13/20 Tempered	12	27	37	28	8	64	14	14	0.16	0.16	2.0	2.1
Sunlux Gold SS 30/35 Annealed	26	14	21	17	19	64	27	26	0.31	0.30	2.4	2.4
Sunlux Gold SS 30/35 Tempered	27	16	23	17	20	63	28	27	0.32	0.31	2.3	2.3
Double Glazing Unit 8-12-8, 8mm Sunlux Gold SS #2 + 12mm 100% Air + 8mm Clear												
Sunlux Gold SS 13/20 Annealed	12	24	35	24	8	68	15	14	0.17	0.17	2.1	2.1
Sunlux Gold SS 13/20 Tempered	11	27	36	26	7	67	14	14	0.16	0.16	2.0	2.0
Sunlux Gold SS 30/35 Annealed	26	14	21	16	17	67	26	25	0.30	0.29	2.4	2.4
Sunlux Gold SS 30/35 Tempered	27	16	23	16	18	66	27	26	0.31	0.30	2.3	2.3

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.



Your Dreams Our Challenge

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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