

# IPLUS AS

## More Free Solar Energy & More Thermal Insulation For More Comfort!



iplus AS is a soft coated double silver low emissivity glass designed for energy efficiency. It offers optimal thermal insulation without compromising on the perfect neutral view towards the outside world. Performance properties of iplus AS are tailored to meet local requirements and regulations. In combination with solar control coatings, the iplus AS helps to maintain pleasant indoor temperatures, reducing the air conditioning costs. It can be used in annealed or heat-treated version while offering similar aesthetics and performance.

### iplus AS

What's so special about it? | What does this mean for you?

- |   |   |
|---|---|
| <p><b>Low solar factor</b></p> <p><b>High light transmission</b></p> <p><b>Good thermal insulation</b></p> <p><b>Neutral colour</b></p> <p><b>Additional combinations *</b></p> | <ul style="list-style-type: none"> <li>- In combination with solar control coatings helps to avoid heat build-up in hot climate countries</li> <li>- Efficient reduction of air conditioning costs</li> <li>- Generously distributes light inside home</li> <li>- Enhances thermal comfort inside home</li> <li>- In line with current architectural trends</li> <li>- Can be silkscreen printed</li> <li>- Can be laminated</li> <li>- Can be used heat-treated or annealed</li> </ul> |
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\* Please follow the processing instructions in the "iplus AS Processing Guide" that can be found on [www.agc-obeikanglass.com.sa](http://www.agc-obeikanglass.com.sa) and [www.agc-yourglass.com](http://www.agc-yourglass.com)

### Performances\*

Product name	Coating position	Colour rendering index (%)	EN 410						EN 673	American Standards					
			LT %	SF %	LR % External	LR % Internal	EA %	SC		NFRC 200 & NFRC 300			NFRC 100		
										U <sub>v</sub> -value W/(m <sup>2</sup> K)	SC	SHGC	RHG (W/m <sup>2</sup> )	LSG	U-Factor winter W/(m <sup>2</sup> K)
<b>Insulating double glazing unit 6-12-6 Clear float with 100% Air</b>															
iplus AS	Position 2	98	79	68	12	12	22	0.78	1.7	0.76	0.66	492	1.20	1.73	1.70
<b>Insulating double glazing unit 6-16-6 Clear float with 100% Air</b>															
iplus AS	Position 2	98	79	64	12	12	22	0.78	1.4	0.76	0.66	491	1.20	1.77	1.45
<b>Insulating double glazing unit 6-12-6 iplus AS #3 with 100% Air</b>															
Sunlux BlueChroma	Position 2	98	21	21	22	28	66	0.24	1.7	0.26	0.23	176	0.91	1.72	1.69
Sunlux BronzeChroma	Position 2	96	14	17	15	8	72	0.19	1.7	0.21	0.18	146	0.78	1.72	1.69
Sunlux GreenChroma	Position 2	96	20	22	32	11	64	0.26	1.7	0.27	0.24	185	0.83	1.72	1.69
Sunlux Dark BlueChroma	Position 2	98	14	17	16	13	74	0.19	1.6	0.21	0.18	146	0.78	1.72	1.68
Sunlux Dark GreenChroma	Position 2	99	13	16	20	12	74	0.19	1.6	0.21	0.18	146	0.72	1.72	1.68
Sunlux Dark GreyChroma	Position 2	91	11	15	15	9	76	0.17	1.7	0.20	0.17	136	0.65	1.72	1.69
Sunlux Shadow 20	Position 2	97	17	18	31	32	60	0.21	1.7	0.22	0.19	153	0.89	1.72	1.69
<b>Insulating double glazing unit 6-16-6 iplus AS #3 with 100% Air</b>															
Sunlux BlueChroma	Position 2	98	21	21	22	28	66	0.24	1.4	0.25	0.22	170	0.95	1.76	1.44
Sunlux BronzeChroma	Position 2	96	14	16	15	8	72	0.18	1.4	0.20	0.18	140	0.78	1.76	1.44
Sunlux GreenChroma	Position 2	96	20	22	32	11	64	0.25	1.4	0.27	0.23	179	0.87	1.76	1.44
Sunlux Dark BlueChroma	Position 2	98	14	16	16	13	74	0.18	1.4	0.20	0.18	140	0.78	1.76	1.44
Sunlux Dark GreenChroma	Position 2	99	13	16	20	12	74	0.18	1.4	0.20	0.18	139	0.72	1.76	1.44
Sunlux Dark GreyChroma	Position 2	91	11	14	15	9	76	0.16	1.4	0.19	0.16	130	0.69	1.76	1.44
Sunlux Shadow 20	Position 2	97	17	18	31	32	60	0.20	1.4	0.22	0.19	148	0.89	1.76	1.44

\* The calculations were made with AGC Glass Configurator available at [www.agc-yourglass.com](http://www.agc-yourglass.com). All calculations are subject to fabrication tolerances and unit composition.

### Processing Options\*

	Heat treatment	Bending	Lamination	Edge deletion	Ceramic frit	Shelf life
iplus AS	Yes	Yes	Yes	Yes	Yes	3 months

\* Please refer to the iplus AS Processing Guide which can be found at [www.agc-yourglass.com](http://www.agc-yourglass.com) and [www.agc-obeikanglass.com.sa](http://www.agc-obeikanglass.com.sa)

### Availability

iplus AS is available in different thicknesses and different dimensions.