

# SUNLUX ORION

A new solar control coating designed for hot climates



The Sunlux Orion range by AGC Obeikan Glass features magnetron coated glass products that present a perfect combination of high external light reflection and good solar control. Sunlux Orion gives superior aesthetics to the outside of a building, while maintaining a neutral aspect along with a clear view when seen from the inside, thanks to a low internal reflection. A perfect match for residential buildings and commercial facades in hot climates. The products can be heat-treated, laminated, bent, ceramic frit printed and are easy to process.

## Sunlux Orion

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

- |   |   |
|---|---|
| <p>New generation of solar control glass combining high external light reflection with solar protection</p> <p>A unique magnetron sputtering process presenting a durable coating</p> | <ul style="list-style-type: none"> <li>- Superior aesthetics from the outside and privacy for building occupants</li> <li>- Good solar control with 0.38 of SHGC for Sunlux Orion (refer to performance table)</li> <li>- Can be heat-treated, laminated, bent and has long shelf life</li> </ul> |
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### Performances

Product name	Coating position	Colour rendering index (%)	EN 410						EN 673	American Standards					
			LT %	SF %	LR % external	LR % internal	EA %	SC	U <sub>g</sub> -value W/(m <sup>2</sup> K)	NFRC 200 & NFRC 300			NFRC 100		
										SC	SHGC	RHG (W/m <sup>2</sup> )	LSG	U-Factor winter W/(m <sup>2</sup> K)	U-Factor summer W/(m <sup>2</sup> K)
<b>Insulating double glazing unit 6-16-6 iplus Solid #3 with 100% Air</b>															
Sunlux Orion	Position 2	95	30	31	27	11	58	0.36	1.6	0.36	0.31	239	0.97	1.85	1.58
Sunlux Orion on Bronze	Position 2	95	17	21	12	10	77	0.24	1.6	0.26	0.23	178	0.74	1.85	1.58
Sunlux Orion on Green	Position 2	85	24	21	20	10	77	0.24	1.6	0.25	0.22	170	1.09	1.85	1.58
Sunlux Orion on Grey	Position 2	91	14	19	9	17	80	0.22	1.6	0.24	0.21	166	0.67	1.85	1.58
<b>Insulating double glazing unit 6-12-6 iplus Solid #3 with 100% Air</b>															
Sunlux Orion	Position 2	95	30	31	27	11	58	0.36	1.8	0.37	0.32	243	0.94	1.81	1.81
Sunlux Orion on Bronze	Position 2	95	17	21	12	10	77	0.24	1.8	0.26	0.23	184	0.74	1.81	1.81
Sunlux Orion on Green	Position 2	85	24	21	20	10	77	0.24	1.8	0.25	0.22	176	1.09	1.81	1.81
Sunlux Orion on Grey	Position 2	91	14	20	10	10	80	0.23	1.8	0.25	0.22	172	0.64	1.81	1.81
<b>Insulating double glazing unit 6-16-6 Clear Float with 100% Air</b>															
Sunlux Orion	Position 2	97	35	36	28	13	50	0.41	2.7	0.44	0.38	300	0.92	2.57	2.70
Sunlux Orion on Bronze	Position 2	93	20	26	12	13	72	0.30	2.7	0.34	0.30	240	0.67	2.57	2.70
Sunlux Orion on Green	Position 2	88	29	25	20	13	72	0.29	2.7	0.32	0.28	223	1.04	2.57	2.70
Sunlux Orion on Grey	Position 2	94	17	24	10	13	76	0.28	2.7	0.33	0.29	227	0.59	2.57	2.70
<b>Insulating double glazing unit 6-12-6 Clear Float with 100% Air</b>															
Sunlux Orion	Position 2	97	35	36	28	13	50	0.41	2.7	0.44	0.38	300	0.92	2.57	2.70
Sunlux Orion on Bronze	Position 2	93	20	26	12	13	72	0.30	2.7	0.34	0.30	240	0.67	2.57	2.70
Sunlux Orion on Green	Position 2	88	29	25	20	13	72	0.29	2.7	0.32	0.28	223	1.04	2.57	2.70
Sunlux Orion on Grey	Position 2	94	17	24	10	13	76	0.28	2.7	0.33	0.29	227	0.59	2.57	2.70

\* 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
Sunlux Orion	Yes	Yes	Yes	No*	Yes	12 months

\* Please follow the processing instructions in the "Sunlux 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).

### Availability

Sunlux Orion products are available in different thicknesses and different dimensions.