

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 efficient 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?

- New generation of solar control glass combining high external light reflection with solar protection
- A unique magnetron sputtering process presenting a durable coating
- Superior aesthetics from the outside and privacy for building occupants
- Good solar control with SHGC = 0.21 for Sunlux Orion Grey (refer to performance table)
- Can be heat-treated, laminated, bent and has long shelf life

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 _g -value W/(m ² K)	SC	SHGC	RHG (W/m ²)	LSG	U-Factor winter W/(m ² K)
Insulating double glazing unit 6-16-6 iplus Solid #3 with 100% Air															
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 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 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 Grey	Position 2	91	14	19	9	17	80	0.22	1.6	0.24	0.21	166	0.67	1.85	1.58
Insulating double glazing unit 6-12-6 iplus Solid #3 with 100% Air															
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 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 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 Grey	Position 2	91	14	20	10	10	80	0.23	1.8	0.25	0.22	172	0.64	1.81	1.81
Insulating double glazing unit 6-16-6 Clear Float with 100% Air															
Sunlux Orion	Position 2	97	35	36	28	13	50	0.41	2.5	0.44	0.38	297	0.92	2.56	2.58
Sunlux Orion Bronze	Position 2	93	20	26	12	13	72	0.30	2.5	0.34	0.30	237	0.67	2.56	2.58
Sunlux Orion Green	Position 2	88	29	25	20	13	72	0.29	2.5	0.32	0.28	220	1.04	2.56	2.58
Sunlux Orion Grey	Position 2	94	17	24	10	13	76	0.28	2.5	0.32	0.28	224	0.61	2.56	2.58
Insulating double glazing unit 6-12-6 Clear Float with 100% Air															
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 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 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 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. 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	Not required*	Yes	12 months

* Please follow the processing instructions in the "Sunlux Processing Guide" that can be found on www.agc-obeikanglass.com.sa and www.agc-yourglass.com.

Availability

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