

IPLUS SOLID

A new low-e glass designed for the Middle East climates



AGC Obeikan presents its new low-emissivity glass: iplus Solid. This coating is designed especially for the Middle East climates which have to deal with an abundance of light and heat from the sun. Furthermore, iplus Solid provides a good thermal insulation. This product must be heat-treated*.

iplus Solid

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

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| <p>New generation of a low-emissivity coating</p> <p>Good thermal insulation</p> <p>Very high light transmission</p> <p>Low interior light reflection</p> <p>No edge deletion needed*</p> <p>Other features</p> | <ul style="list-style-type: none"> - Offers glazing boasting a U_g-value of 1.6 W/(m²K) (details can be referred to performances table) - Enhances thermal comfort while reducing heating costs - In combination with solar control coatings, it maintains pleasant indoor temperatures while reducing air conditioning costs - Generously distributes natural light in the building - Guarantees a neutral aspect and a perfect view towards the outside world - Easy and faster to process - iplus Solid coating is used exclusively in double glazing - Can be laminated by a glass processor* - Must be heat-treated |
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* Please follow the processing instructions in the "iplus Solid Processing Guide" that can be found on www.agc-obeikanglass.com.sa and 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 _g -value W/(m ² K)	SC	SHGC	RHG (W/m ²)	LSG	U-Factor winter W/(m ² K)	U-Factor summer W/(m ² K)
Insulating double glazing unit 6-12-6 Clear float with 100% Air																
iplus Solid	Position 2	95	67	53	11	11	36	0.61	1.8	0.59	0.51	384	1.31	1.82	1.82	
Insulating double glazing unit 6-16-6 Clear float with 100% Air																
iplus Solid	Position 2	95	67	53	11	11	36	0.61	1.6	0.58	0.51	380	1.32	1.86	1.59	
Insulating glazing unit 6-12-6 iplus Solid #3 with 100% Air																
Sunlux BronzeChroma	Position 2	98	11	17	15	8	74	0.19	1.8	0.21	0.18	147	0.61	1.80	1.80	
Sunlux BlueChroma	Position 2	96	17	21	21	22	69	0.24	1.8	0.26	0.22	175	0.77	1.80	1.80	
Sunlux GreenChroma	Position 2	99	17	22	32	10	67	0.25	1.8	0.27	0.23	183	0.74	1.81	1.80	
Insulating glazing unit 6-16-6 iplus Solid #3 with 100% Air																
Sunlux BronzeChroma	Position 2	98	11	16	15	8	74	0.18	1.5	0.20	0.18	141	0.62	1.84	1.57	
Sunlux BlueChroma	Position 2	96	17	20	21	22	69	0.23	1.5	0.25	0.22	170	0.78	1.84	1.57	
Sunlux GreenChroma	Position 2	99	17	21	32	10	67	0.25	1.6	0.26	0.23	178	0.74	1.84	1.57	
Insulating double glazing unit 6-12-6 iplus Solid #3 with 100% Air																
Sunlux Shadow 20	Position 2	93	14	18	31	26	63	0.21	1.8	0.22	0.19	153	0.73	1.81	1.80	
Insulating double glazing unit 6-16-6 iplus Solid #3 with 100% Air																
Sunlux Shadow 20	Position 2	93	14	18	31	26	63	0.20	1.6	0.22	0.19	148	0.75	1.84	1.57	

* 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
iplus Solid	Yes*	Yes	Yes	No**	Yes	9 months

* This product must be heat-treated

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

Availability

iplus Solid is available in different thicknesses and different dimensions.