

Energy Light

Remarkable properties and multifunctionality at its best



Energy Light is a product from the range of multifunctional glass products combining the characteristics of low-emissivity and solar-protection glass. Energy Light is a medium-reflectivity glass with a neutral appearance designed to be used in facade glazing and in the premium residential real estate market. Apart from reducing the air conditioning costs, Energy Light protects the glass from condensation due to its low emissivity level. High light transmission ensures the room is filled with large amount of the natural light. Product can be used heat treated or annealed.

Energy Light

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

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| <p>Excellent energy efficiency and solar protection</p> <p>Low solar factor</p> <p>Optimal external reflection</p> <p>Neutral appearance</p> | <p>– Efficient reduction of air conditioning costs</p> <p>– Prevents the building from overheating due to solar energy transmission and ensures the greatest possible comfort for occupants</p> <p>– Gives the building a unique look</p> <p>– Combines perfectly with deep colours of solar control coating</p> |
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* Please follow the processing instructions in the "Energy Light 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)
Insulating double glazing unit 6-12-6 Clear Float with 100% Air															
Energy Light	Position 2	97	64	42	26	24	23	0.48	1.5	0.46	0.40	298	1.60	1.65	1.59
Insulating double glazing unit 6-16-6 Clear float with 100% Air															
Energy Light	Position 2	97	64	42	26	24	23	0.48	1.3	0.45	0.39	295	1.64	1.69	1.33
Insulating double glazing unit 6-12-6 Energy Light #3 with 100% Air															
Sunlux BlueChroma	Position 2	96	17	17	22	37	69	0.20	1.5	0.21	0.18	141	0.94	1.65	1.59
Sunlux BronzeChroma	Position 2	95	11	13	15	24	75	0.15	1.5	0.16	0.14	115	0.79	1.65	1.59
Sunlux GreenChroma	Position 2	95	16	17	33	25	68	0.20	1.5	0.21	0.18	141	0.89	1.65	1.59
Sunlux Dark BlueChroma	Position 2	97	11	13	17	27	77	0.15	1.5	0.17	0.15	119	0.73	1.65	1.59
Sunlux Dark GreenChroma	Position 2	98	11	13	20	26	77	0.15	1.5	0.17	0.15	118	0.73	1.65	1.59
Sunlux Dark GreyChroma	Position 2	91	9	12	15	24	79	0.14	1.5	0.15	0.13	109	0.69	1.65	1.59
Sunlux Shadow 20	Position 2	96	14	14	32	40	63	0.16	1.5	0.17	0.15	123	0.93	1.65	1.59
Insulating double glazing unit 6-16-6 Energy Light #3 with 100% Air															
Sunlux BlueChroma	Position 2	96	17	16	22	37	69	0.18	1.3	0.20	0.17	135	1.00	1.69	1.32
Sunlux BronzeChroma	Position 2	95	11	12	15	24	75	0.14	1.3	0.16	0.14	109	0.79	1.69	1.32
Sunlux GreenChroma	Position 2	95	16	16	33	25	68	0.18	1.3	0.20	0.17	135	0.94	1.69	1.32
Sunlux Dark BlueChroma	Position 2	97	11	12	17	27	77	0.14	1.3	0.16	0.14	112	0.79	1.69	1.32
Sunlux Dark GreenChroma	Position 2	98	11	12	20	26	77	0.14	1.3	0.16	0.14	111	0.79	1.69	1.32
Sunlux Dark GreyChroma	Position 2	91	9	11	15	24	79	0.13	1.3	0.15	0.13	102	0.69	1.69	1.32
Sunlux Shadow 20	Position 2	96	14	14	32	40	63	0.16	1.3	0.17	0.15	117	0.93	1.69	1.32

* 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
Energy Light	Yes**	Yes*	Yes*	Yes	Yes	3 months

* Please refer to the "Energy Light Processing Guide" which can be found at www.agc-yourglass.com and www.agc-obeikanglass.com.sa

** Product can be used heat treated or annealed. Due to the difference in visual appearance heat treated and annealed products cannot be combined in the same façade.

Availability

Energy Light is available in different thicknesses and different dimensions.