

Energy

Remarkable properties and multifunctionality at its best



Energy product family consisting of Energy Light and Energy 72/38T is a range of multifunctional glass products combining the characteristics of low-emissivity and solar-protection glass. Energy Light and Energy 72/38T are medium-reflective glasses 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 products protect the glass from condensation due to their low emissivity level. High light transmission ensures the room is filled with large amount of the natural light.

Energy

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

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| Excellent energy efficiency and solar protection | – Efficient reduction of air conditioning costs |
| Low solar factor | – Prevents the building from overheating due to solar energy transmission and ensures the greatest possible comfort for occupants |
| Optimal external reflection | – Gives the building a unique look |
| Neutral appearance | – Combines perfectly with deep colours of solar control coatings |

* Please follow the processing instructions in the "Energy Light Processing Guide" and "Energy 72/38T 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-value W/(m²K)	SC	SHGC	RHG (W/m²)	LSG	U-Factor winter W/(m²K)	U-Factor summer W/(m²K)

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
Energy 72/38T	Position 3	95	71	47	14	13	29	0.54	1.3	0.49	0.43	321	1.65	1.67	1.28

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
Energy 72/38T	Position 3	95	71	47	14	13	29	0.54	1.5	0.49	0.43	322	1.65	1.62	1.55

* 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
Energy 72/38T	Yes*	Yes*	Yes*	Yes	Yes	3 months

* Please refer to the "Energy 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 and Energy 72/38T are available in different thicknesses and different dimensions.