

SUNLUX SHADOW 20

The most flexible
solar control coating



The new Sunlux Shadow 20 (0Ag) coating offers a combination of high solar protection, unique silver aesthetics and great flexibility. It can be used heat-treated, annealed and in a laminated version with coating against the PVB. The modern silver appearance brings Sunlux Shadow 20 an extra value - it matches the recent trends in contemporary architecture. In combination with low-e glass iplus Solid, Sunlux Shadow 20 helps to maintain pleasant indoor temperatures while reducing air conditioning costs. When used as a monolithic spandrel, it allows the architect to implement even the most creative and bold design solutions.

Sunlux Shadow 20

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

High level of solar control	– Helps to avoid heat build-up in hot climate countries – SHGC less than 0.25 (details can be referred to performances table) – Efficient reduction of air conditioning costs
Low light transmission	– Prevents internal glare issues during day light hours ensuring the perfect indoor comfort
High external light reflection	– Attractive silver aesthetics in line with the architectural trends
A unique magnetron sputtering process	– Resistant coating that can be used monolithic (glazing or spandrel) – Long shelf life
No edge deletion required*	– Easy and fast to process
Additional combinations*	– Can be used in a laminated version with coating against PVB – Can be used heat-treated or annealed – Can be assembled in double glazing unit (coating in position 2)

* Please follow the processing instructions in the "Sunlux Shadow 20 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															
Sunlux Shadow 20	Position 2	96	17	21	31	35	59	0.24	2.5	0.27	0.24	192	0.71	2.42	2.54
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 Clear float with 100% Air															
Sunlux Shadow 20	Position 2	96	17	21	31	35	59	0.24	2.4	0.27	0.23	188	0.74	2.42	2.40
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
Sunlux Shadow 20	Yes	Yes	Yes*	No	Yes	12 months

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Availability

Sunlux Shadow 20 is available in different thicknesses and different dimensions.