

SUNLUX SHADOW

The most flexible solar control coating



Sunlux Shadow family (0Ag) 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 products an additional value - they match the recent trends in contemporary architecture. In combination with low-e glass, Sunlux Shadow family products help to maintain pleasant indoor temperatures while reducing air conditioning costs. When used as a monolithic spandrel, they allow the architect to implement even the most creative and bold design solutions.

Sunlux Shadow

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

- High level of solar control** – Help to avoid heat build-up in hot climate countries
- Low light transmission** – Prevent 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)
- No edge deletion required** – Long shelf life
- Easy and fast to process

Performances*

Product name	Coating position	Colour rendering index (%)	EN 410							EN 673	American Standards					
			LT %	SF %	LR % External	LR % Internal	EA %	SC	U-value W/(m²K)	NFRC 200 & NFRC 300			NFRC 100			
										SC	SHGC	RHG (W/m²)	LSG	U-Factor winter W/(m²K)	U-Factor summer W/(m²K)	
Monolithic application 6mm on Clear Float																
Sunlux Shadow 14	Position 2	97	15	24	37	35	55	0.27	4.7	0.31	0.27	229	0.56	4.75	4.09	
Sunlux Shadow 20	Position 2	97	18	28	31	33	57	0.32	4.9	0.37	0.32	264	0.56	4.91	4.28	
Sunlux Shadow 32	Position 2	97	30	39	21	23	55	0.45	5.1	0.49	0.43	346	0.70	5.17	4.56	
Insulating double glazing unit 6-16-6 Clear float with 100% Air																
Sunlux Shadow 14	Position 2	96	14	17	37	37	57	0.20	2.3	0.23	0.20	161	0.70	2.37	2.33	
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	
Sunlux Shadow 32	Position 2	96	27	31	22	27	58	0.35	2.5	0.38	0.33	260	0.82	2.51	2.51	
Insulating double glazing unit 6-16-6 iplus Solid #3 with 100% Air																
Sunlux Shadow 14	Position 2	93	11	15	37	27	60	0.17	1.5	0.18	0.16	126	0.69	1.84	1.56	
Sunlux Shadow 20	Position 2	93	14	18	31	26	63	0.20	1.6	0.22	0.19	148	0.74	1.84	1.57	
Sunlux Shadow 32	Position 2	94	23	26	22	20	65	0.30	1.6	0.31	0.27	206	0.85	1.85	1.58	
Insulating double glazing unit 6-12-6 Clear float with 100% Air																
Sunlux Shadow 14	Position 2	96	14	18	37	37	57	0.20	2.4	0.23	0.20	164	0.70	2.36	2.47	
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	
Sunlux Shadow 32	Position 2	96	27	31	22	27	58	0.36	2.6	0.39	0.34	263	0.79	2.51	2.64	
Insulating double glazing unit 6-12-6 iplus Solid #3 with 100% Air																
Sunlux Shadow 14	Position 2	93	11	15	37	27	60	0.17	1.8	0.19	0.16	132	0.69	1.80	1.79	
Sunlux Shadow 20	Position 2	93	14	18	31	26	63	0.21	1.8	0.22	0.19	153	0.74	1.81	1.80	
Sunlux Shadow 32	Position 2	94	23	26	22	20	65	0.30	1.8	0.31	0.27	211	0.85	1.81	1.81	

* The calculations were made with AGC Glass Configurator available at www.agc-younglass.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 family	Yes	Yes	Yes	No	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-younglass.com

Availability

Sunlux Shadow family products - Shadow 14, Shadow 20 and Shadow 32 - are available in different thicknesses and different dimensions.