

STOPRAY SMART

AGC Obeikan

The best coatings for solar control and thermal insulation

AGC Obeikan presents its top-class magnetron-coated glazings: Stopray Smart 30 and Stopray Smart 51. With a silver layer that provides maximum solar control and thermal insulation, these coatings offer a neutral and coloured appearance. Furthermore, all Stopray Smart products can be used in toughened or non-toughened versions and do not require any edge-deletion of the coating*.

Stopray Smart 30 and Smart 51

What's so special about it?

What does this mean for you?

New generation of coatings combining high level of solar control and thermal insulation

– Offer glass products boasting a U value of 1.36 W/(m²K).

– Get the best balance between a high level of natural light and low level of heat throughput.

– Maintain pleasant indoor temperatures while reducing air conditioning costs.

– Lower heating costs.

Stopray Smart coatings have been developed for exterior applications in facades on all types of commercial buildings

– Meet all your aesthetic and functional requirements.

– Stopray Smart 51 has a neutral colour, whereas Stopray Smart 30 has an attractive neutral bluish colour.

Attractive neutral and coloured appearance

– Stopray Smart 30 and Smart 51 coatings are available in four new colours of superior aesthetics: Bronze, Dark Blue, Green and Grey.

– In line with current architectural trends.

Low interior light reflection

– Guarantee a neutral aspect and a perfect view towards the outside world.

One product: two uses

– All Stopray Smart products can be used toughened or non-toughened

– The processor's decision will depend on how the building is specified. The toughened and non-toughened versions deliver the same energy, light and insulation performance.

– One product in stock, less storage space required.

No edge deletion needed*

– Easy and faster to process.

– Facilitate subsequent processing of the glass, yield remarkable appearance when used in a structural facade.

Additional combinations

– Stopray Smart 30 and Smart 51 neutral and coloured coatings are used exclusively in double glazing.

– They can all be laminated by the processor.

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

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Performances

Product name	Coating position	Color Rendering Index	EN 410 (2011)						EN 673	American Standards (NFRC 100 – 2010)					
			LT %	SF %	LR % external	LR % internal	EA %	SC	U _a - value W/(m ² K)	SC	SHGC	RHG (W/m ²)	LSG	U value winter W/(m ² K)	U value summer W/(m ² K)
Insulating double glazing unit: 6-12-6 Clear Float with 100% Air															
Stopray Smart 30	Position 2	95	30	22	29	15	47	0.25	1.6	0.25	0.22	171	1.36	1.67	1.62
Stopray Smart 30 on Bronze	Position 2	92	17	16	12	15	73	0.18	1.6	0.20	0.17	137	0.98	1.67	1.62
Stopray Smart 30 on Dark Blue	Position 2	78	19	15	15	15	78	0.18	1.6	0.19	0.16	131	1.17	1.67	1.62
Stopray Smart 30 on Green	Position 2	86	24	17	21	15	75	0.19	1.6	0.20	0.17	139	1.40	1.67	1.62
Stopray Smart 30 on Grey	Position 2	92	15	15	10	15	76	0.17	1.6	0.19	0.16	132	0.89	1.67	1.62
Stopray Smart 51	Position 2	95	51	34	26	17	33	0.40	1.6	0.38	0.33	249	1.56	1.67	1.62
Stopray Smart 51 on Bronze	Position 2	94	29	23	11	16	64	0.26	1.6	0.27	0.23	183	1.22	1.67	1.62
Stopray Smart 51 on Dark Blue	Position 2	77	33	23	14	17	71	0.26	1.6	0.26	0.23	176	1.45	1.67	1.62
Stopray Smart 51 on Green	Position 2	86	42	25	19	17	67	0.28	1.6	0.28	0.24	190	1.70	1.67	1.62
Stopray Smart 51 on Grey	Position 2	92	25	22	10	16	68	0.25	1.6	0.26	0.22	174	1.12	1.67	1.62
Insulating double glazing unit: 6-16-6 Clear Float with 100% Air															
Stopray Smart 30	Position 2	95	30	22	29	15	46	0.25	1.4	0.25	0.21	166	1.40	1.71	1.36
Stopray Smart 30 on Bronze	Position 2	92	17	15	12	15	73	0.17	1.4	0.19	0.17	130	1.03	1.71	1.36
Stopray Smart 30 on Dark Blue	Position 2	78	19	15	15	15	77	0.17	1.4	0.18	0.16	125	1.20	1.71	1.36
Stopray Smart 30 on Green	Position 2	86	24	16	21	15	75	0.18	1.4	0.19	0.17	133	1.42	1.71	1.36
Stopray Smart 30 on Grey	Position 2	92	15	14	10	15	75	0.16	1.4	0.18	0.16	125	0.95	1.71	1.36
Stopray Smart 51	Position 2	95	51	34	26	17	32	0.39	1.4	0.37	0.32	245	1.57	1.71	1.36
Stopray Smart 51 on Bronze	Position 2	94	29	22	11	16	64	0.25	1.4	0.26	0.23	177	1.26	1.71	1.36
Stopray Smart 51 on Dark Blue	Position 2	77	33	22	14	17	70	0.25	1.4	0.25	0.22	170	1.50	1.71	1.36
Stopray Smart 51 on Green	Position 2	86	42	24	19	17	67	0.28	1.4	0.28	0.24	184	1.76	1.71	1.36
Stopray Smart 51 on Grey	Position 2	92	25	21	10	16	68	0.24	1.4	0.25	0.22	168	1.15	1.71	1.36

The calculations were made with LBNL Window according to standards NFRC 100-2010 Summer and NFRC 100-2010 Winter.

Processing options*

	Toughening	Bending	Lamination	Edge deletion	Ceramic frit	Shelf life
Stopray Smart 30	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 30 on Bronze	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 30 on Dark Blue	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 30 on Green	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 30 on Grey	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 51	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 51 on Bronze	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 51 on Dark Blue	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 51 on Green	Yes	Yes	Yes	No*	Yes	9 months
Stopray Smart 51 on Grey	Yes	Yes	Yes	No*	Yes	9 months

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

Availability

All Stopray Smart 30 and Smart 51 products are available in different thicknesses and different dimensions.