

SGG COOL-LITE® SKN
SGG COOL-LITE® SKN II

*High selective
solar control
& low-E glass
for façade applications*



SGG COOL-LITE® SKN / SKN II

Combining energy efficiency, neutrality and versatility of processing

Applications

SGG COOL-LITE SKN / SKN II are ranges of high selective solar control glass for use in commercial and residential buildings, either for façade glazing or skylight.

Benefits

- Energy savings for air conditioned buildings, in both cooling and heating modes
- Excellent U-value
- High degree of neutrality in both transmission and reflection
- Low outside and inside light reflectance
- High light to solar gains (selectivity)
- Green buildings rules compliance
- Availability of post-temperable variations enabling a quick turnaround for tempered double glazed units.

Description

SGG COOL-LITE SKN / SKN II are offline coated glass manufactured by magnetron sputtering deposition under vacuum conditions onto float glass. The coating is specially designed to selectively reflect near and far infrared wavelengths while allowing visible light transmission.

Processing

SGG COOL-LITE SKN / SKN II must always be assembled into a double glazed unit, with the coated surface to the inside of the external pane (surface 2). It is imperative that the coating be edge-

stripped before assembly. SGG COOL-LITE SKN II products must be heat treated (either tempered or heat strengthened) before assembly into the unit. Laminating process is possible as well. Please ask our guidance for use.

Product range

	SKN 174	SKN 165	SKN 154	SKN 144 II
Clear float substrate	✓	✓	✓	✓
Extra-clear float substrate (SGG DIAMANT)	✓ SKN 074	✓ SKN 065	✓ SKN 054	
Self-cleaning coating #1 (SGG BIOCLEAN)	✓	✓	✓	
Post-temperable coating	✓ SKN 174 II	✓ ⁽²⁾ SKN 165 II	✓ SKN 154 II	✓ ⁽³⁾ SKN 144 II
Tempered cut size on clear, extra-clear and green glass		✓	✓	✓

⁽²⁾ A slightly bluer tone variation, named SGG COOL-LITE SKN 163 II, is available in some markets. Please contact us.

⁽³⁾ SGG COOL-LITE SKN 144 II exists only in post temperable version.

Standard thickness : 6 - 8 - 10 mm.
Other thickness on request.

Dimensions :
- Jumbos (6.000mm x 3.210mm)
- Split sizes.

Performances

DGU 6mm - 12mm air - 6mm

External pane	Clear float				
	174 / 174 II	165 / 165 II	154 / 154 II	144 II	
SKN coating (coating on face #2)					
Light factors	LT %	67	59	50	40
	LRe %	10	15	18	21
	LRi %	12	17	20	13
Solar factor	g	0.41	0.34	0.28	0.24
	SC ISO 9050	0.44	0.37	0.31	0.26
U-value W/(m².K)	12 mm Air filled cavity	1.6	1.6	1.6	1.6
	16 mm Argon r filled cavity	1.1	1.1	1.1 / 1.0	1.0

Average values according to EN 410 and EN 673 standards, and subject to modifications. SGG COOL-LITE SKN / SKN II comply with the requirements of the class C the of standard EN 1096 and is CE marked.

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