

COOL-LITE® SKN



Description

COOL-LITE SKN is a solar control glass with a special coating designed to reduce the heat coming into a building. It mirrors and absorbs heat along with filtering light for decreased glare. The use of a solar control glass can reduce air conditioning and blinds requirements. Many types of solar control glass offer various aesthetic options; tinted, reflective, and neutral.

Applications

COOL-LITE SKN are all solar control coatings that can be used in residential or commercial buildings, whether for façades or overhead glazing. They are ideally suited for applications requiring high light transmission and low g-value because of the unique properties of the coating.

- Windows and Facades
- Roofs
- Large glazed bays and skylights

RANGE

COOL-LITE SKN are available in

- Sizes: Jumbo size (PLF) 6000 x 3210mm, Overlength up to 18000mm (for coatings supplied from Europe)
- Split sizes on request
- Standard thickness: 4-6-8mm (other on request)

NEW ! Discover our new [COOL-LITE SKN 183 \(II\)](#)

PROCESSING

- To be tempered coating
- To be assembled in double glazing only
- Edge deletion mandatory
- Enameling not compatible

Refers to the processing guidances of each product for more details about the processing conditions or contact the local Technical Support Manager.

Performance

The tables below detail the performances of our coatings. Values are given for DGU with clear substrate Planiclear. 3 tables are available :

- DGU 6+12+6 mm with coating on surface #2, according to the standards ISO 9050 m1 / EN 6732

- DGU 6+12+6 mm with coating on surface #2, according to the standards NFRC 100

- DGU 6+16+4 mm with coating on surface #2, according to the standards EN 410, EN 673 and EN ISO 140-3/717-1

Saint-Gobain Glass Glass reserves the right to change product performance features without notice or obligation. Contact your Saint-Gobain sales representative to check the availability of each product in your country.

DGU 6-12-6 / Standards ISO 9050 m1 / EN 6732

PRODUCT	Light Transmittance LT (%)	Solar Factor g	Shading Coefficient SC	Selectivity LT/g	External Light Reflectance LRe (%)	Internal Light Reflectance LRI (%)	U-Value W/(m ² .K) 12mm air	U-Value W/(m ² .K) 16mm argon	Process
COOL-LITE SKN 183 (II)	74	0.39	0.45	1.89	12	12	1.54	1.03	Annealed & to be tempered
COOL-LITE SKN 176 (II)	68	0.36	0.41	1.88	12	14	1.54	1.03	Annealed & to be tempered
COOL-LITE SKN 165 (II)	60	0.32	0.37	1.87	16	17	1.54	1.03	Annealed & to be tempered
COOL-LITE SKN 154 (II)	50	0.27	0.31	1.85	18	26	1.54	1.03	Annealed & to be tempered
COOL-LITE SKN 146 II	40	0.24	0.28	1.66	11	11	1.60	1.12	To be tempered
COOL-LITE SKN 144 II	40	0.23	0.26	1.73	20	12	1.60	1.11	To be tempered
COOL-LITE SKN 133 II	30	0.19	0.22	1.57	13	10	1.60	1.11	To be tempered

DGU 6-12-6 / Standard NFRC 100

PRODUCT	Light Transmittance LT (%)	Solar Factor g	Shading Coefficient SC	Selectivity LT/g	External Light Reflectance LRe (%)	Internal Light Reflectance LRI (%)	U-Value W/(m².K) 12mm air	U-Value W/(m².K) 16mm argon	Processing
COOL-LITE SKN 183 (II)	74	0.36	0.42	2.05	13	13	1.60	1.38	Annealed & to be tempered
COOL-LITE SKN 176 (II)	68	0.33	0.38	2.06	12	14	1.61	1.39	Annealed & to be tempered
COOL-LITE SKN 165 (II)	60	0.30	0.35	2.00	16	17	1.63	1.41	Annealed & to be tempered
COOL-LITE SKN 154 (II)	50	0.25	0.29	2.00	18	26	1.61	1.39	Annealed & to be tempered
COOL-LITE SKN 146 II	40	0.23	0.27	1.73	11	11	1.65	1.44	To be tempered
COOL-LITE SKN 144 II	40	0.22	0.25	1.81	20	12	1.64	1.42	To be tempered
COOL-LITE SKN 133 II	30	0.18	0.21	1.66	13	10	1.65	1.43	To be tempered

DGU 6-16-4 / Standards ISO 9050 m1 / EN 6732

PRODUCT	Light Transmittance LT (%)	Solar Factor g	Shading Coefficient SC	Selectivity LT/g	External Light Reflectance LRe (%)	Internal Light Reflectance LRI (%)	U-Value W/(m².K) 16mm argon	Processing	Color reflect
COOL-LITE SKN 183 (II)	75	0,40	0,46	1,88	12	13	1,0	Annealed	neutral
COOL-LITE SKN 176 (II)	70	0,37	0,43	1,89	13	15	1,0	Annealed	neutral
COOL-LITE SKN 165 (II)	61	0,34	0,39	1,79	16	18	1,0	Annealed	neutral
COOL-LITE SKN 154 (II)	52	0,28	0,32	1,85	19	22	1,0	Annealed	neutral
COOL-LITE SKN 146 II	41	0,24	0,28	1,70	11	11	1,1	To be tempered	neutral
COOL-LITE SKN 144 II	42	0,23	0,26	1,83	20	15	1,1	To be tempered	neutral

PRODUCT	Light Transmittance LT (%)	Solar Factor g	Shading Coefficient SC	Selectivity LT/g	External Light Reflectance LRe (%)	Internal Light Reflectance LRI (%)	U-Value W/(m ² .K) 16mm argon	Processing	Color reflect
---------	----------------------------	----------------	------------------------	------------------	------------------------------------	------------------------------------	--	------------	---------------

COOL-



1,1

To be tempered

neutral

EASYPRO®



COOL-LITE®

XTREME



DIAMANT®



COOL-LITE® K

[Find a distributor](#)