

COOL-LITE® SKN

Highly selective solar control coatings with reinforced thermal insulation





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COOL-LITE® SKN is the range of double silver solar control glass reaching a selectivity up to 1,8. This means that they provide the perfect balance between a high solar protection and light transmission.

The neutral colour of COOL-LITE® SKN solar control glass creates the effect of natural light both indoors and outdoors.

Benefits

- **Solar control**
- **Daylight comfort**
- **Temperature control (Low-E)**
- **Energy savings**
- **Neutral aesthetics**

1 Aesthetics

Very neutral from both the interior and exterior, COOL-LITE® SKN solar control adapt to all applications and diverse way of living and working (offices, mixed use, education or health sectors...), for new build as well as refurbishment.

They bring a bright, comfortable atmosphere in the room - at any time of the year.

2 Reduced energy loads

Offering highly efficient and optimum solar protection at all times, COOL-LITE® SKN solar control meet the need to deliver enhanced, sustainable performance to reduce energy consumption.

COOL-LITE® SKN offers reinforced thermal insulation (Low-E) in DGU configuration.

3 Indoor comfort

COOL-LITE® SKN help reducing the temperature of the room thus the cooling loads, so that the need for air conditioning is minimised.

4 Combinations

COOL-LITE® SKN can be heat-treated (to-be-tempered version) or laminated to bring added function such as sound insulation or injury and burglary protection.

The high selectivity and excellent thermal insulation ensures unrestricted well-being in the room in every season.

COOL-LITE® SKN are available in 2 versions, annealed and to-be-tempered to meet all designs and safety and security requirements. To-be-tempered COOL-LITE® SKN II variants offer higher mechanical and thermal resistance and are delivered with EASYPRO®, Saint-Gobain's temporary protection layer.

Applications

COOL-LITE® SKN are all solar control coatings that can be used in residential or commercial buildings, whether for façades or overhead glazing.

- Windows and Facades
- Large glazed bays, skylights and roofs

Performance

STANDARD VALUES

COATING	COLOR IN REFLECTION	Light transmission LT %	Reflection outside LRe %	Reflection inside LRi %	Solar factor g-value	Shading coefficient SC	Ug-value W/m2K
COOL-LITE® SKN in 4 mm + PVB 0.76 mm + 4 mm with coating on face # 2 according to the standards EN 410 and EN 673 ¹							
COOL-LITE® SKN 154 II	Neutral	47%	23%	29%	0.32	0.37	5.5
COOL-LITE® SKN 154	Neutral	49%	22%	25%	0.33	0.38	5.5
COOL-LITE® SKN 165 II	Neutral	57%	22%	24%	0.36	0.41	5.5
COOL-LITE® SKN 165	Neutral	58%	21%	22%	0.37	0.42	5.5
COOL-LITE® SKN 176 II	Neutral	68%	16%	18%	0.39	0.45	5.5
COOL-LITE® SKN 176	Neutral	69%	16%	17%	0.39	0.45	5.5

COOL-LITE® SKN in DGU 6 mm (Air 12 mm) 6 mm with coating on face # 2 according to the standards EN 410 and EN 673 ²

COOL-LITE® SKN 144 II	Neutral	41%	20%	15%	0.24	0.27	1.6
COOL-LITE® SKN 154 II	Neutral	50%	17%	22%	0.28	0.32	1.5
COOL-LITE® SKN 154	Neutral	50%	18%	21%	0.28	0.32	1.5
COOL-LITE® SKN 165 II	Neutral	60%	16%	18%	0.34	0.39	1.5
COOL-LITE® SKN 165	Neutral	59%	16%	18%	0.34	0.39	1.5
COOL-LITE® SKN 176 II	Neutral	68%	13%	15%	0.37	0.42	1.5
COOL-LITE® SKN 176	Neutral	69%	13%	15%	0.37	0.43	1.5

1. Interlayer compatibility list available on request

2. DGU values calculated with PLANILUX® as inner pane

3. For any inquiry related to the processing of these coatings, please contact our TSM (Technical Support Manager) and refer to the processing guidelines

4. Values may differ for toughened (II) and non-toughened coatings with the same glass compositions.

Availability

STANDARD THICKNESSES AND DIMENSIONS

Dimensions: 3210 mm x 2400 mm

Thickness: 4 mm and 6 mm

Other dimensions and thicknesses: Please contact the specification team

Processing

- Available in two versions: Annealed or to be tempered coating (II)
- To be assembled in double glazing only or laminated with coating on face #2 (see interlayer compatibility list)
- Edge deletion mandatory
- Enameling not compatible



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