

## COOL-LITE® K

Selective solar control  
coatings with good thermal  
insulation





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COOL-LITE® K is the range of selective single-silver solar control coatings for better energy savings and providing as much daylight as possible. Thereby sustainably reducing the cooling, heating and lighting effort required; the result is a bright atmosphere and comfortable room temperature in any season.

### Main benefits

- **Solar control**
- **Daylight comfort**
- **Temperature control (Low-E)**
- **Energy savings**
- **Colored, reflective or neutral aesthetics**

#### 1 Aesthetics

From neutral from both the interior and exterior to silver aesthetic, while maintaining always a clear view to the outside, there are COOL-LITE® K suitable for all design intentions.

#### 2 Comfort

Offering efficient solar protection at all times while maintaining high light transmission, COOL-LITE® K helps reducing the temperature of the room and bring a bright and comfortable atmosphere.

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

#### 3 Combinations

COOL-LITE® K can be heat-treated or laminated to bring added function such as sound insulation or injury and burglary protection.

COOL-LITE® K II must be heat-treated.

COOL-LITE® K is manufactured by depositing a coating of metallic oxides by magnetically enhanced cathodic sputtering under vacuum, onto clear or body-tinted glass. This coating gives the glass its solar control and low-E properties, its distinctive appearance.

### Applications

Thanks to an advanced combination of solar, thermal and light output mix performances, aesthetics and processing flexibility, COOL-LITE® K is the perfect product for several architectural projects, like:

- Office buildings
- Mixed use buildings
- Education and health buildings
- Hotels, restaurants

## 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® K in 4 mm + PVB 0.76 mm + 4 mm with coating on face # 2 according to the standards EN 410 and EN 673 <sup>1</sup>							
COOL-LITE® KBT 140	Blue	32%	30%	26%	0.35	0.40	5.5
COOL-LITE® KNT 140	Neutral	34%	23%	19%	0.34	0.39	5.5
COOL-LITE® KNT 155	Neutral	48%	14%	12%	0.43	0.50	5.5
COOL-LITE® KNT 164	Neutral	59%	12%	8%	0.51	0.58	5.5
COOL-LITE® KNT 455	Green	43%	13%	12%	0.39	0.45	5.5
COOL-LITE® KS 138 II	Silver	33%	41%	28%	0.29	0.33	5.5

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

COOL-LITE® KBT 140	Blue	36%	23%	17%	0.29	0.34	1.8
COOL-LITE® KNT 140	Neutral	37%	22%	12%	0.28	0.33	1.8
COOL-LITE® KNT 155	Neutral	46%	17%	10%	0.37	0.42	1.8
COOL-LITE® KNT 164	Neutral	56%	14%	10%	0.45	0.51	1.9
COOL-LITE® KNT 455	Green	40%	14%	10%	0.27	0.31	1.8
COOL-LITE® KS 138 II	Silver	36%	38%	20%	0.25	0.29	1.6

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. KNT: Temperable coating - K II: To-be-tempered coating

## 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

- Two versions are available: temperable (heat treatment optional) or to be tempered (heat treatment mandatory)
- 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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