

COOL-LITE® ST

Standard solar control
coatings offering full
flexibility for processing





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COOL-LITE® ST is a solar control glass produced by depositing a coating of metallic oxides by magnetically enhanced cathodic sputtering under vacuum conditions on transparent float or body tinted glass.

Benefits

- **Solar control**
- **Daylight comfort**
- **Energy savings**
- **Colored, reflective or neutral aesthetics**

Tempering, bending, laminating for safety glass, printing or enamelling: COOL-LITE® ST solar control glass are really multipurpose and flexible. Their numerous processing options open up a wide range of possibilities for architectural design and technical planning.

Applications

COOL-LITE® ST is a high performance solar control glass which offers architects numerous architectural flexibility. Such glasses are ideal for all styles of structures, large projects and small buildings, such as:

- Office buildings, stores, school and industrial buildings
- Houses
- Facades and windows
- Roofs

1 Flexibility

COOL-LITE® ST can be used on face #2 of a monolithic glass or in an insulated glazing unit. Does not require edge-deletion.

They can be used annealed or heat-treated (one version for two applications).

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

COOL-LITE® ST can be enamelled and bend offering a full range of possibilities for architectural design.

2 Aesthetics

From neutral silver reflection whilst maintaining high light transmission, to elegant bluish aesthetic, there is, in the wide range of COOL-LITE® ST a solution for all design intention.

3 Multipurpose

This family is available on clear float glass and body tinted glass for a wide range of application from a curtain wall facade to windows.

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/m ² K
COOL-LITE® ST 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® ST 120	Silver	21%	30%	21%	0.29	0.34	5.5
COOL-LITE® ST 136	Grey	39%	20%	13%	0.42	0.49	5.5
COOL-LITE® ST 150	Grey	53%	15%	11%	0.55	0.63	5.5
COOL-LITE® ST 167	Neutral	70%	13%	12%	0.65	0.74	5.5
COOL-LITE® ST 436	Green	35%	17%	13%	0.37	0.43	5.5
COOL-LITE® STB 120	Blue	21%	21%	25%	0.32	0.37	5.5
COOL-LITE® STR 428	Green	26%	36%	39%	0.36	0.41	5.5

COOL-LITE® ST in DGU 6 mm (Air 12 mm) 6 mm with coating on face # 2 according to the standards EN 410 and EN 673²

COOL-LITE® ST 120	Silver	19%	31%	29%	0.22	0.25	2.6
COOL-LITE® ST 136	Grey	33%	22%	23%	0.34	0.39	2.7
COOL-LITE® ST 150	Grey	45%	20%	22%	0.45	0.51	2.8
COOL-LITE® ST 167	Neutral	60%	22%	23%	0.57	0.65	2.8
COOL-LITE® ST 436	Green	28%	18%	22%	0.25	0.29	2.7
COOL-LITE® STB 120	Blue	20%	21%	32%	0.23	0.26	2.7
COOL-LITE® STR 428	Green	18%	36%	50%	0.23	0.27	2.8

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

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

Thanks to the highly resistant coating COOL-LITE® ST are glasses easy to process. They can be:

- Curved (COOL-LITE® ST)
- Tempered
- Laminated
- Enameled and screen printed
- Used in single or double glazing, with the coating on face #2
- Does not require edge-deletion
- Used annealed or tempered, one version for two applications



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