

COOL- LITE E series

The next dimension



DESCRIPTION

Change is a constant in contemporary architecture. This metamorphosis is reflected in the evolution of transparent façades, lighter tones of shades and colors, energy efficient buildings, minimal reflection, etc - making today, into a yesterday at the blink of an eye.

Presenting ^{SGG} COOL- LITE E - a revolutionary and world class product from Saint- Gobain Glass that celebrates this dynamic spirit of the modern architectural evolution.

RANGE

^{SGG} COOL- LITE E is available in three different aesthetics in exterior reflection: neutral, green and blue. All ^{SGG} COOL- LITE E products are to be tempered.

PERFORMANCE

DGU (6+12+6 mm)

Product	^{SGG} COOL- LITE E 125 II	^{SGG} COOL- LITE E 425 II	^{SGG} COOL- LITE E 725 II	^{SGG} COOL- LITE E 150 II	^{SGG} COOL- LITE E 450 II	^{SGG} COOL- LITE E 750 II
Light Transmittance LT (%)	25	21	16	45	37	29
Solar factor g	0.24	0.18	0.17	0.42	0.30	0.28
Shading Coefficient	0.27	0.21	0.20	0.48	0.35	0.32
Selectivity LT/ g	1.04	1.17	0.94	1.07	1.23	1.04
External light reflectance LRe (%)	29	21	14	15	12	9
Internal light reflectance LRi (%)	15	15	15	17	17	16
U- Value (EN 673) W/ (m ² .K)						
12mm air	2.0	2.0	2.0	2.6	2.6	2.6
16mm argon	1.6	1.6	1.6	2.3	2.3	2.3

PRODUCT APPLICATION

^{SGG} COOL- LITE E can be used in both single glazing and double glazing applications, such as:

- Windows in traditional façades
- Curtain wallings
- Exterior structural sealant glazing
- Exterior bolted glass assemblies
- Double- skin applications
- Cladding of external walls
- Overhead and atria glazing

ADVANTAGE

Transparency

^{SGG} COOL- LITE E combines the twin requirements of more light and less heat. With optimised light transmission, it is designed to allow more natural light inside thus ensuring optimum lighting for the interiors and cut down the spend on artificial lighting. Transparency also extends spaces and blends interiors with exteriors. Studies have time and again proved that such better controlled environments improve occupants' health, productivity and comfort levels.

Lighter Shades and Hues

SGG COOL- LITE E comes in a range of light shades and hues which accord pleasant appearance to the façade due to lower external reflection. An added advantage of lower reflection is the true color rendering of the building.

Energy Efficiency

Sustainable architecture becoming today's main focus area, the thrust now is an energy efficient "green" materials. SGG COOL- LITE E has been designed to meet green architecture's needs.

Lower Internal Reflection

SGG COOL- LITE E's low internal reflection levels help to maintain clear vision both during daytime as well as night and add to the soothing appearance of the façade resulting in enhanced aesthetics.

[SGG COOL- LITE E brochure](#)