

COOL-LITE[®] SKL 170

TO BE LAMINATED SOLAR CONTROL COATING
HIGHLY SELECTIVE TO IMPROVE EFFICIENCY
OF COMPLEX FAÇADES



COOL-LITE® SKL170

TO BE LAMINATED SELECTIVE SOLAR CONTROL COATING

COOL-LITE® SKL 170 is a highly selective solar control coating, specifically designed for use embedded in laminated glass, in position 2, against the interlayer.

L stand for to-be-laminated; developed for this configuration, COOL-LITE® SKL 170 offers not only a neutral aesthetic, consistent whatever the viewing angles, but also high selectivity. This double silver coating provides a high light transmission above 70% and enhanced solar protection.

As external skin of a Double Skin Façade (DSF) or Close Cavity Façade (CCF) it ensures:

- a high visible light transmission (TL), to optimize the daylight entering the building through such complex, multi-panel façades.
- A low solar factor, helping to reduce the temperature inside the cavity and ensuring the durability of the blinds, as well as enabling savings in ventilation system sizing.
- A neutral and angle-stable aesthetic, with a low level of reflection, meeting market demands and local regulations.

Other applications can also benefit from the advantages of COOL-LITE® SKL 170, such as:

- Skylights and Roof Glazing, to provide solar protection while allowing daylight to enter. It's ideal for large, glazed roof areas where insulation is less critical.
- Entrance Structures and Canopies, to enhance visual appeal while reducing glare and heat. It's often used in public buildings, shopping centers, and transport hubs.
- Train Station Halls and Atriums, to control solar gain in large open spaces. It maintains visual comfort and reduces cooling loads.

APPEARANCE

COOL-LITE® SKL 170 has been developed and is produced for a use embedded; in this configuration it delivers a neutral and angle-stable appearance.



All images based on GlassPro physico-realistic glass rendering service by Saint-Gobain Glass. 66.2mm, coating on #2; all pan clear glass PLANICLEAR®. Displayed colors are intended to represent actual color but may change according to your screen or printing quality of the document.

PERFORMANCES

	Light Transmission (LT) ¹ [%]	Solar Factor (g-value) ¹ [%]	Selectivity (LT/g) [%]	Outside reflection (LRe) ¹ [%]	Inside reflection (LRi) ¹ [%]
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Laminated glass 66.2 mm - coating on face 2 (inside the assembly)

COOL-LITE® SKL 170 (on PLANICLEAR® or ORAÉ®)	72	46	1,57	13	12
COOL-LITE® SKL 170 (on DIAMANT®)	73	46	1,59	13	12

¹according to EN410; all panes with the same substrate.

COOL-LITE® SKL 170 offers a lower g-value compared to standard coatings used for outer skin of Double Skin Façade (DSF) or Close Cavity Façade (CCF); calculations showed it allowed a better control of the temperature inside the cavity (up to - 15 °C) and of the temperature of the blinds (up to - 20 °C)

RANGE

COOL-LITE® SKL 170 is available:

- in standard thicknesses (3 to 12mm).
- on PLANICLEAR®, DIAMANT® and ORAÉ® substrates.
- in standard sizes.

PROCESSING

COOL-LITE® SKL 170 is an annealed product, to be laminated; in order to achieve its performances and aesthetics, it must be:

- Edge deleted prior to assembling.
- Assembled on face #2 of a laminated glass (in contact with the interlayer).



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