

COOL-LITE[®] XTREME 51/23 & 51/23 II

Striking Harmony

EXTREMELY SELECTIVE SOLAR CONTROL COATINGS



COOL-LITE® XTREME 51/23 (II)

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COOL-LITE® XTREME 51/23 is Saint-Gobain Glass latest high-performance triple-silver solar control glass designed to strike the perfect balance between natural light and effective solar energy management. Its delivers exceptional selectivity, combining a high light transmission of 51% with a remarkably low solar factor of just 23%¹ balancing daylight with protection against overheating. The result is a sleek, neutral aesthetic with minimal light reflection - ideal for modern architectural design.

Benefit from daylight, cut energy cost: COOL-LITE® XTREME 51/23 (II) offers world-leading selectivity (LT/g-value: 2.22)¹, maximizing natural light intake while minimizing energy consumption, reducing thus operational costs. It delivers superior solar protection without compromising on natural light, enhancing occupant comfort, by ensuring a pleasant indoor climate, making even the sunniest spaces liveable thanks a low solar factor.

A refined neutral look: Driven by Saint-Gobain Glass's long-standing innovation and expertise, COOL-LITE® XTREME 51/23 (II) was meticulously designed to look as beautifully as it performs; to align perfectly with today's architectural ambitions, this product embodies modernity and delivers a new neutral appearance, low reflectivity, and consistent color tone across all viewing angles.

Bridging visionary design with expansive application potential: COOL-LITE® XTREME 51/23 blends seamlessly into multiple purpose and possibility. By offering both annealed and to-be-tempered versions of this product- with similar performance and aesthetics- it provides greater flexibility for all design needs.

Furthermore, the to-be-tempered version is protected by EASYPRO®, temporary surface protection coating, delivering an easier and sustainable processing with several potential cost and energy savings.

COOL-LITE® XTREME 51/23 (II) is also available on ORAÉ® low-carbon glass, to combine performance and sustainability and provide the best of both embodied and operational carbon levels.

➤
COOL-LITE® XTREME 51/23 (II)
in transmission (white background) offering a neutral aesthetic



◀
COOL-LITE® XTREME 51/23 (II)
in reflection (black background) offering a neutral aesthetic and low reflectivity



PROCESSING

In order to achieve its performances and aesthetics, COOL-LITE® XTREME 51/23 (II) must be:

- Tempered; compatible with Heat Soak Test (only applicable for COOL-LITE® XTREME 51/23 II)
- Edge deleted prior to assembling
- Assembled into an insulated glazing unit
- Positioned on the face 2 (inside the IGU)

RANGE

COOL-LITE® XTREME 51/23 & 51/23 II, respectively the annealed and to-be-tempered versions are available:

- in standard thicknesses (up to 12mm)
- on PLANICLEAR®, DIAMANT® and ORAÉ® substrates
- in standard sizes as well as in overlength (up to 18m)

PERFORMANCES

	Ug-Value ²	Light Transmission (LT) ³	Solar Factor (g-value) ³	Selectivity (LT/g)	Outside reflection (LRe) ³	Inside reflection (LRI) ³
	[W/m ² K]	[%]	[%]	[%]	[%]	[%]

Standard build-up double glazing unit (DGU) 6/16/4 mm - coating on face 2, 90% Argon

COOL-LITE® XTREME 51/23 & 51/23 II (on PLANICLEAR® or ORAÉ®)	1.0	51	23	2.22	13	18
COOL-LITE® XTREME 51/23 & 51/23 II (on DIAMANT®)	1.0	52	23	2.26	13	18

Standard build-up triple glazing unit (TGU) 6/12/4 /12/4 mm - coating on face 2 and PLANITHERM® XN on face 5, 90% Argon

COOL-LITE® XTREME 51/23 & 51/23 II (on PLANICLEAR® or ORAÉ®)	0.7	46	21	2.19	14	20
COOL-LITE® XTREME 51/23 & 51/23 II (on DIAMANT®)	0.7	47	22	2.14	14	20

Standard build-up triple glazing unit (TGU) 6/12/4 /12/4 mm - coating on face 2 and ECLAZ® LUMI on face 5, 90% Argon

COOL-LITE® XTREME 51/23 & 51/23 II (on PLANICLEAR® or ORAÉ®)	0.7	47	21	2.24	14	20
COOL-LITE® XTREME 51/23 & 51/23 II (on DIAMANT®)	0.7	48	22	2.18	14	20

¹in standard configuration 6/16/4mm with coating on face #2 ²according to EN673 ³according to EN410; all panes of the IGU with the same substrate.



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OTHER CONFIGURATIONS
IN OUR ONLINE GLAZING
CONFIGURATOR



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