



Ti-AC 23™ LOW-E GLASS

Delivers the Lowest Solar Heat Gain Coefficient

AGC

BEYOND GLASS™

New Ti-AC 23 Low-E glass features the lowest Solar Heat Gain Coefficient (0.23) of any high-performance coating on clear-based glass. It maximizes a building's energy efficiency while enhancing exterior aesthetics, letting in more natural light and improving glare control. Ti-AC 23 is the perfect choice for commercial applications where comfort in the interior environment is as critical as the architectural statement made on the outside.



BEYOND GLASS™

Key Attributes

- SHGC (0.23)
- Beautiful blue-grey hue
- Incredibly neutral look
- Outstanding glare control

Ti-AC 23™ LOW-E GLASS

Delivers the Lowest Solar Heat Gain Coefficient

Offered exclusively by AGC Flat Glass North America, Ti-AC 23 Low-E glass offers a Solar Heat Gain Coefficient of just 0.23—the lowest SHGC of any high-performance coating on clear-based glass. It also creates an incredibly neutral look while providing excellent glare control, as well as an aesthetically pleasing exterior blue-grey hue. Ti-AC 23 is the perfect choice for applications where architectural vision and aesthetics are a priority—but energy efficiency cannot be compromised.

Performance

Ti-AC 23 Low-E glass blocks the sun's hottest wavelengths better than any competitive product, with a SHGC of 0.23. Its ability to absorb the sun's energy is a major contributor to reducing the energy costs associated with operating buildings in which the product is installed.

Aesthetics

The Ti-AC 23 coating creates an aesthetically pleasing exterior blue-grey hue. This neutral, nonreflective appearance complements a spectrum of architectural designs—making Ti-AC 23 an attractive solution for virtually any commercial building application.

Solutions

Ti-AC 23 Low-E glass also provides a high light-to-solar-gain ratio when applied to a clear substrate, enabling you to efficiently bring more natural light inside a building. The combination of a low reflectance and excellent glare control gives Ti-AC 23 a neutral look that is simply unmatched—making it as beneficial to your project on the inside as it is on the outside.

Ti-AC 23 Insulated Glass Unit Performance Data
IG Unit: Ti-AC 23 on #2 Surface outboard, 1/2" (12mm) airspace and clear float outboard lite

Glass Thickness	% Transmittance			% Reflectance			Winter U-Value		Summer U-Value		Shading Coefficient	SHGC	RHG	LSG Ratio
	Visible	Solar	UV	Visible	Solar	UV	Air	Argon	Air	Argon			Air	
SGL (2.5mm)	41	20	20	11	11	34	0.30	0.24	0.28	0.22	0.27	0.24	59	1.71
1/8" (3mm)	40	19	19	12	11	33	0.30	0.24	0.28	0.22	0.27	0.23	58	1.73
5/32" (4mm)	40	19	17	12	11	31	0.29	0.24	0.28	0.22	0.27	0.23	58	1.73
3/16" (5mm)	39	18	16	13	11	29	0.29	0.24	0.28	0.22	0.27	0.24	58	1.63
1/4" (6mm)	38	18	16	13	11	27	0.29	0.24	0.28	0.22	0.27	0.23	58	1.65

Performance values are calculated on representative samples. Actual values may vary. Data calculated using LBL Window 5.2 software.

Ti-AC 23 Stock Products

Size and Thickness	Sling Packs		Racks	
	96" x 130"	102" x 144"	72" x 84"	72" x 96"
SGL (2.5mm)			X	X
1/8" (3mm)			X	X
1/4" (6mm)	X	X		

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