



GUARDIAN® CLIMAguard®

Residential Glass Innovation

ClimaGuard 55/27

Glare-reduction low-E
for hot climates and
waterfront applications

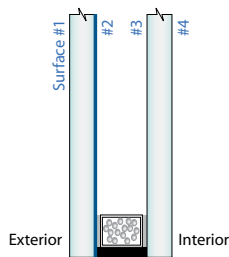
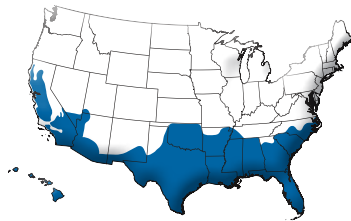
Let the sun's light in. Keep the heat and glare out.

Natural sunshine adds beauty to any home. But it can also add heat and glare. Closing blinds or drapes can help, but that will eliminate the natural sunshine. And with rising energy costs, cranking up the AC isn't the most economical or eco-friendly thing to do. ClimaGuard 55/27 allows natural light to brighten a home while keeping much of the sun's heat outside. It also minimizes glare and reduces eyestrain without overly darkening rooms.

Save on annual energy costs

When sunlight heats up a home, AC systems have to stay on longer and work harder to maintain a comfortable temperature. But with ClimaGuard 55/27, the interior of a home stays cooler, even on the hottest, sunniest days. In fact, ClimaGuard 55/27 blocks up to 65% more solar heat than ordinary clear glass. The result? Smaller electric bills.

And with U-factors of 0.25 (argon) and 0.29 (air), ClimaGuard 55/27 insulates approximately 50% better than standard double-pane windows. So more heat stays inside rather than escaping through the glass.



Double Glazed	Visible Light			UV Trans	SHGC	U-Factor	
	Trans	Reflect Out	Reflect In			1/2" Gap Argon	Air
55/27	56%	17%	19%	21%	0.28	0.25	0.29
55/27 + IS-20	54%	18%	20%	19%	0.27	0.20	0.24

Double glazed: 3.0mm Clr: Air and 90% Argon/10% Air Filled Units. Primary low-E coating on the #2 surface; ClimaGuard IS coatings are on the #4 surface. Performance data calculated for center-of-glass only (no spacer or framing) using LBNL Window 7, IGDB v.57.0.

ClimaGuard 55/27 at a glance

- Reduces solar heat gain from expansive windows, particularly those facing west and south.
- Minimizes glare and reduces eyestrain without excessively darkening rooms.
- Keeps homeowners comfortable and cooling bills low.
- Attractive appearance with a color-matching heat-treatable product.
- Easy to fabricate and available from all Guardian U.S. coating facilities.