

GUARDIAN® CLIMAGUARD®

Residential Glass Innovation

Control heat, glare and energy costs with three layers of silver.

ClimaGuard 53/23 Low-E glass from Guardian delivers what every southern homeowner wants: Solar heat control to keep cooling bills down when it's hot outside and a low U-value to reduce heating bills when it's cold.

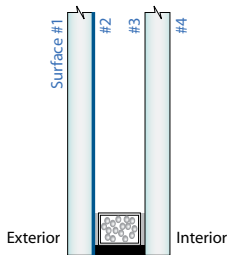
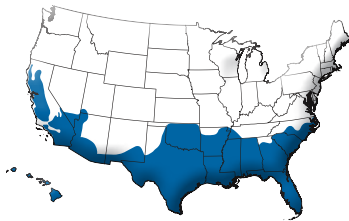
The power of triple-silver technology

You can't see it, but there are three powerful layers of silver within the coating on the glass. Most residential low-E windows have just one or two layers. With ClimaGuard 53/23, a third layer of silver helps the window block more of the sun's heat on hot summer days and reduce glare, all while maintaining the right level of light transmission for a southern climate.

Cool and comfortable in the summer heat - and in cold southern weather, too

With ClimaGuard 53/23, solar heat gain can be significantly reduced without sacrificing clear views and daylight. ClimaGuard 53/23 blocks 77% of the sun's heat resulting in lower air conditioning expenses and a more comfortable living environment.

It's not always hot in the deep south – cold weather systems from the north can bring a chill to the south for weeks at a time. That's when your window's U-value is most important. With U-factors of 0.24 (argon) and 0.29 (air), ClimaGuard 53/23 insulates better than standard double-pane windows. So more heat stays inside rather than escaping through the glass.



	Visible Light			UV Trans	SHGC	U-Factor	
	Trans	Reflect Out	Reflect In			1/2" Gap Argon	Air
Double Glazed							
53/23	53%	13%	12%	11%	0.23	0.24	0.29
53/23 + IS-20	52%	14%	13%	10%	0.23	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 53/23 at a glance

- Allows 53% of the sun's visible light to shine through the glass.
- Significantly reduces solar heat gain from expansive windows, particularly those facing west and south.
- Minimizes glare and reduces eyestrain without excessively darkening rooms.
- Helps keep homeowners comfortable and cooling bills low.
- Attractive crystal-blue appearance accents southern architectural styles.
- Easy to fabricate and available from all Guardian U.S. coating facilities.