



**GUARDIAN®
CLIMAGUARD®**
Residential Glass Solutions

ClimaGuard® 53/23

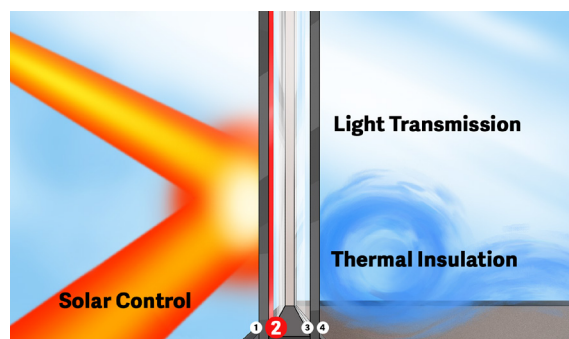
Low-E Glass for Warmer Climates

Control heat, glare and energy costs

Guardian ClimaGuard® 53/23 low-E coated residential glass delivers what every southern homeowner needs—year-round comfort. With three powerful layers of silver, it blocks heat to keep cooling costs low. It controls glare and lets in the right amount of daylight for clear views and bright interiors. During the heat of summer or when cold weather visits the south, ClimaGuard 53/23 ensures comfortable living for homeowners.

Key features

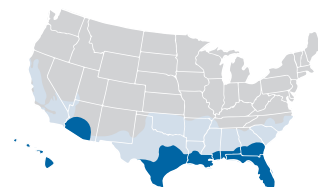
- Allows 53% of the sun's visible light to shine through the glass
- Blocks 77% of the sun's heat to reduce energy bills and create comfort
- Insulates better than standard double-pane windows to improve heating expenses
- Controls glare while offering daylighting and views



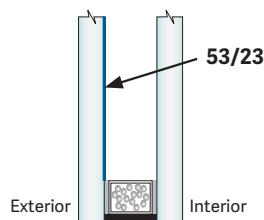


For South and South-Central ENERGY STAR® Zones

In hot and humid regions that can experience the occasional chill, ClimaGuard 53/23 can help balance a home's cooling and heating needs from season to season.

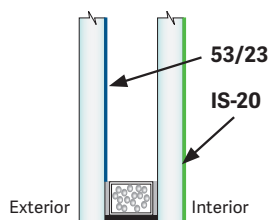


On the second surface, ClimaGuard 53/23 blocks heat, insulates and transmits daylight.



Double Glazed	Visible Light			UV Trans	SHGC	U-Factor	
	Trans	Reflect Out	Reflect In			1/2" Gap Argon	Air
ClimaGuard 53/23 #2 surface	53%	12%	12%	14%	0.23	0.24	0.29

Adding ClimaGuard IS-20 on the fourth surface enhances insulating performance by lowering U-factor.



Double Glazed	Visible Light			UV Trans	SHGC	U-Factor	
	Trans	Reflect Out	Reflect In			1/2" Gap Argon	Air
ClimaGuard 53/23 #2 surface + IS-20 #4 surface	51%	13%	12%	13%	0.23	0.20	0.24

*Configuration: 3.0mm clear glass, Air filled and 90% Argon/10% Air filled.
Performance data calculated for center-of-glass only (no spacer or framing) using LBNL Window 7.6, IGDB 71.*