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.

<table>
<thead>
<tr>
<th>Double Glazed</th>
<th>Visible Light</th>
<th>UV Trans</th>
<th>SHGC</th>
<th>1/2” Gap Argon</th>
<th>1/2” Gap Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>53/23</td>
<td>53% Trans</td>
<td>13% Reflect Out</td>
<td>12% Reflect In</td>
<td>11% Trans</td>
<td>0.23</td>
</tr>
<tr>
<td>53/23 + IS-20</td>
<td>52% Trans</td>
<td>14% Reflect Out</td>
<td>13% Reflect In</td>
<td>10% Trans</td>
<td>0.23</td>
</tr>
</tbody>
</table>

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.