



## GUARDIAN® CLIMAguard®

Residential Glass Innovation

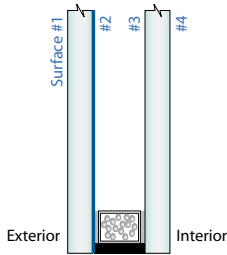
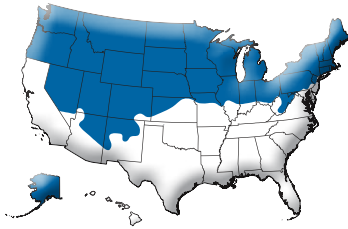
### Low-E glass that cools in the summer and warms in the winter.

Maintaining a comfortable indoor environment is a challenge when temperatures fluctuate, sometimes dramatically, throughout the day, between seasons, and across climate zones. ClimaGuard 70/36 from Guardian is glass for all seasons. It insulates in the winter, blocks heat in the summer, and makes homes more comfortable and energy efficient all year long.

#### All season comfort

ClimaGuard 70/36 can lower heating energy costs and improve insulating value by as much as 50% over standard clear glass. Less interior heat is lost through windows and room-side glass temperatures stay warm, helping to maintain a uniform comfort level throughout the house.

And, solar heat gain and damaging radiation can be significantly reduced without sacrificing clear views and daylight. ClimaGuard 70/36 blocks up to 50% more unwanted solar energy than standard clear glass, and up to 40% more than even dark tinted glass. This results in lower air conditioning expenses and a more comfortable



	Visible Light			UV Trans	SHGC	U-Factor			
	Trans	Reflect Out	Reflect In			1/2" Gap Argon	Air	5/16" Gap Argon	Air
<b>Double Glazed</b>									
70/36	70%	11%	13%	25%	0.38	0.25	0.29	n/a	n/a
70/36 + IS-20	68%	12%	13%	23%	0.37	0.20	0.24	n/a	n/a
<b>Triple Glazed</b>									
70/36 + 70/36	55%	14%	14%	10%	0.33	0.12	0.16	0.16	0.22
70/36 + 80/70	63%	14%	17%	16%	0.35	0.13	0.17	0.18	0.22

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. Triple glazed: 3.0mm Clr: Air and 90% Argon/10% Air Filled Units. Low-E coatings in the triple-glazed configurations are on the #2 and #5 surfaces respectively. Performance data calculated for center-of-glass only (no spacer or framing) using LBNL Window 7, IGDB v.57.0.

### ClimaGuard 70/36 at a glance

- Helps meet ENERGY STAR® requirements.
- Brightens homes with 70% of the sun's visible light.
- Saves money on utility bills all year long.
- Uniform, neutral appearance that enhances the beauty of any home.
- Easy to fabricate and available from all Guardian U.S. coating facilities.