



Durable-By-Design™

ClimaGuard RLE 70/36 meets the highest application performance requirements in the most fabrication friendly package. By following the Durable-by-Design™ philosophy, Guardian has created the most scratch resistant, high performance low-E product available, so getting it done right the first time can become a habit instead of a goal. And because speed, flexibility and quality are so critical to earning and keeping customers, Guardian introduces a pair of heat treatable partner products that may be used by your local fabricator to meet custom tempered glass requirements.

PERFORMANCE COMPARISON OF TYPICAL GLASS PACKAGES (CENTER OF GLASS)					
Glass Package	Winter U-Factor (Insulating Performance) Air / Argon	SHGC (Solar Performance)	Visible Transmission (Daylight)	Visible Reflectance (Outdoor Glare)	Damaging Transmission (Fading Radiation)
Single pane, clear glass	1.11 / n/a	0.87	90%	8.1%	74%
Double pane, clear glass	0.49 / 0.46	0.77	82%	14.7%	61%
High solar gain low-E	0.34 / 0.29	0.65	75%	14.5%	65%
<i>ClimaGuard RLE 70/36</i>	<i>0.29 / 0.24</i>	<i>0.36</i>	<i>70%</i>	<i>11.0%</i>	<i>57%</i>

CLIMAGUARD RLE 70/36 INSULATING GLASS PERFORMANCE (CENTER OF GLASS)							
Clear Glass, #2 Coated Surface	Emissivity	Winter U-Factor Air / Argon	SHGC	Visible Transmission	Visible Reflection	Damaging Transmission	Ultraviolet Transmission
2.3 mm glass, 1/2" gap, 2.3 mm glass	0.035	0.30 / 0.24	0.36	70%	11.0%	58%	31%
3.0 mm glass, 1/2" gap, 3.0 mm glass	0.035	0.29 / 0.24	0.36	70%	11.0%	57%	29%
4.0 mm glass, 1/2" gap, 4.0 mm glass	0.035	0.29 / 0.24	0.36	69%	10.9%	56%	28%
5.0 mm glass, 1/2" gap, 5.0 mm glass	0.035	0.29 / 0.24	0.36	68%	10.8%	55%	27%
6.0 mm glass, 1/2" gap, 6.0 mm glass	0.035	0.29 / 0.24	0.35	68%	10.7%	54%	25%

For ClimaGuard Residential Glass Sales, Contact:

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Carleton, MI 48117
1-800-521-9040
Fax: 1-800-521-0211

50 Forge Avenue
Geneva, NY 14456
1-888-880-0507
Fax: 1-315-787-7065

3801 S. Highway 287
Corsicana, TX 75109
1-800-527-2511
Fax: 1-903-874-8647

11535 E. Mountainview
Kingsburg, CA 93631
1-800-955-4567
Fax: 1-559-896-6479

www.guardian.com



ENERGYSTAR® Windows is a partnership/program between the U.S. Department of Energy and manufacturers of windows, doors and skylights designed to help consumers identify energy efficient products. Windows with ClimaGuard RLE 70/36 that are rated and certified by the NFRC can comply with ENERGYSTAR® requirements for all climates in the country. Look for the ENERGYSTAR® label to ensure you're getting the most energy efficient window for your climate zone. For more information regarding ENERGYSTAR® go to <http://www.energystar.gov/ople/windowspec>.



The National Fenestration Rating Council (NFRC) administers a voluntary window rating/labeling program to produce window U-factor, SHGC and visible transmission ratings that can be directly compared due to identical evaluation procedures. Guardian encourages you to look for an NFRC label to ensure accurate, comparable performance specifications. For more information regarding NFRC go to <http://www.nfrc.org>.



The EWC is a coalition of window, door, skylight, component manufacturers, research organizations, federal, state and local agencies, and others interested in expanding the market for high-efficiency fenestration products. Guardian Industries is a charter member of the Efficient Windows Collaborative. For more information regarding EWC go to <http://www.efficientwindows.org>.

CLIMAGUARD IS A TRADEMARK OF GUARDIAN INDUSTRIES