

## ClimaGuard IS Interior Surface Low-E Glass

Lower U-Value. Increased Comfort. Greater Energy Savings.

ClimaGuard IS Low-E glass products are engineered to have the one characteristic window manufacturers and homeowners need most - lower U-values. Designed to be used on the interior surface of double-glazed or triple-glazed windows with Low-E, ClimaGuard IS glass will provide a lower U-value to increase comfort and improve energy savings.

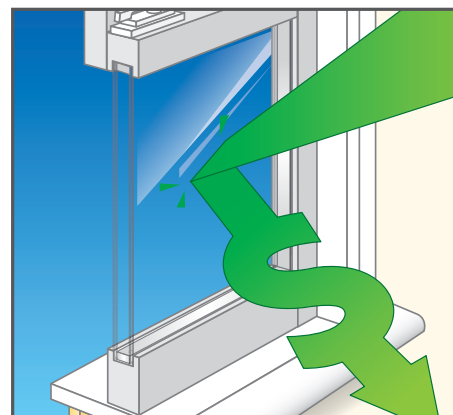
- *ClimaGuard IS-20* can help many windows meet new energy codes & ENERGY STAR® standards without the need for argon gas.
- *ClimaGuard IS-15* is specifically designed to help windows meet R5 without the need for triple-glazing.
- Neutral color with low haze and ultra-smooth surface.
- Can be cleaned with common household glass cleaners.
- Durable and scratch-resistant.
- Can be used in monolithic applications including storm windows.
- Easy to fabricate - single product for annealed or tempered applications.
- Available in full truckloads, LTL or case quantities.



### Maximize Energy Savings with ClimaGuard IS



Improves nighttime and cool weather insulating performance.



# ClimaGuard® IS Interior Surface Low-E products increase energy savings in regions with significant heating requirements.

Maintaining a comfortable indoor environment when it's cold outside can be challenging. ClimaGuard IS products help reduce the U-value of windows and increases insulating capabilities. Minimizing heat loss through windows is the key to comfort and energy efficiency. The data below demonstrates how ClimaGuard IS products improve the performance of dual-pane, low-E coated windows.

ClimaGuard High Performance Low-E	Visible Light			UV Trans %	SHGC	U-Value	
	Trans %	Reflect Out %	Reflect In %			Argon	Air
ClimaGuard 71/38	71	10	12	24	0.38	0.244	0.291
71/38 w/ ClimaGuard IS-20	69	10	12	23	0.38	0.202	0.237
71/38 w/ ClimaGuard IS-15	67	10	11	20	0.37	0.197	0.231
ClimaGuard 70/36	70	11	13	30	0.36	0.247	0.294
70/36 w/ ClimaGuard IS-20	68	12	13	28	0.35	0.205	0.239
70/36 w/ ClimaGuard IS-15	65	11	12	25	0.34	0.200	0.233
ClimaGuard 63/31	63	12	15	24	0.31	0.244	0.291
63/31 w/ ClimaGuard IS-20	62	12	15	22	0.30	0.202	0.237
63/31 w/ ClimaGuard IS-15	59	12	14	19	0.30	0.197	0.231
ClimaGuard 62/27	62	13	13	5	0.27	0.241	0.291
62/27 w/ ClimaGuard IS-20	60	13	14	5	0.26	0.201	0.236
62/27 w/ ClimaGuard IS-15	58	13	12	4	0.25	0.196	0.230
ClimaGuard 55/27	55	12	17	18	0.27	0.243	0.290
55/27 w/ ClimaGuard IS-20	53	12	18	17	0.27	0.201	0.236
55/27 w/ ClimaGuard IS-15	51	12	16	15	0.26	0.196	0.230

Glass configuration: 3 mm / 1/2" air space / 3 mm. All primary Low-E coatings are on the #2 surface, ClimaGuard IS coatings are on #4 surface.

ClimaGuard IS glass can be used in monolithic applications to improve U-value while reducing solar heat gain.

ClimaGuard IS Glass Monolithic Data	Visible Light			UV Trans %	SHGC	U-Value
	Trans %	Reflect Out %	Reflect In %			
ClimaGuard IS-20 (3 mm)	88	9	9	69	0.79	0.676
ClimaGuard IS-15 (3 mm)	85	8	8	59	0.66	0.646

## Typical Insulating Glass Configuration With ClimaGuard IS Glass

