

Kaufmann Storm Windows

Deluxe Energy Saving Package

The numbers speak for themselves

Kaufmann Deluxe storms with Low E glass have a neutral-color coating that significantly reduces heat loss. Storm panels retain an incredible 58% more heat than single pane windows alone.

A source of free energy

Storms with Low E glass not only block heat loss, they actually help to heat your home as well! The special properties of Low E glass direct more of the sun's energy into your house and help to keep it there, thus reducing overall energy consumption. According to U. S. Department of Energy tests Low E glass contributes 200% more useable heat energy than ordinary clear glass. It doesn't matter where you live, Low E glass is so efficient that it can convert solar energy into heat with as little as 30% sunshine.

More than energy savings

Less Condensation Low E glass minimizes unpleasant condensation. It permits you to enjoy a more comfortable humidity level in your home and protects against mildew and rot.

Higher room glass temperatures By minimizing the cold air convection drafts from a window, Low E glass makes rooms more comfortable even at lower thermostat settings.

Reduced ultraviolet penetration. Low E glass helps reduce ultraviolet light minimizing fading of drapes, carpeting and furniture.

No color distortion Because Low E glass is a neutral color, it will perfectly match your existing windows and decor.

Kaufmann Window & Door
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GLASS PERFORMANCE COMPARISON							
	Clear	Clear w/ Clear Sash	Clear Insulated	Clear w/ Low-E Storm Sash	Low-E Insulated	Clear Insulated w/ Low-E Sash	Low-E Insulated w/ Low-E Sash
GLASS U-VALUE (winter) Air Filled Argon Filled	1.12	0.51	0.50	0.35	0.30 0.24	0.25	0.19 0.16
GLASS R-VALUE (winter) Air Filled Argon Filled	0.89	1.96	2.00	2.86	3.33 4.17	3.97	5.30 6.14
SHADING COEFFICIENT	1.00	0.93	0.93	0.82	0.46	0.75	0.43
DAYLIGHT TRANSMITTANCE	91%	83%	83%	76%	71%	70%	65%
UV TRANSMITTANCE	85%	73%	73%	64%	63%	50%	40%
CONDENSATION RESISTANCE FACTOR ² Air Filled Argon Filled	23	64	64	73	74 78	81	85 86
INSIDE NIGHTTIME SURFACE TEMPERATURE Air Filled Argon Filled	16°F	45°F	45°F	51°F	52°F 55°F	57°F	59°F 60°F
SOLAR HEAT GAIN COEFFICIENT [SHGC]	0.88	0.80	0.79	0.65	0.49	0.58	0.36

Note: Performance figures are based on 3/32" glass, 1/2" space for insulated glass unit and 1 1/4" air space for storm sash spacing. All performance values per 1.81 window 3.1. All R values are center of glass. Winter U and R values are based on an outdoor temperature of 0°F and an indoor temperature of 70°F and a 15 MPH wind velocity with no sun. CRF value is inside center of glass surface temperature, higher value means less condensation.

Illustration: OUTSIDE is to the left and INSIDE is to the right.

Pyrolytic Low E (hard coat) used in storm sash.

Sputter coated Low E (soft coat) used in insulated units.

Includes:

- *Low E Glass*
- *Finned weatherstrip and sash anti bow clips for the lowest possible air infiltration.*
- *Frame tie bar for frame stability and ease of installation.*

