

Glass Performance

Regardless of where your home is located, choosing windows that provide you with the highest level of comfort and energy savings year-round is extremely important. And choosing the right glass for your windows is the most important factor in the decision.

Sun Gain ER

When the weather turns frigid, Sun Gain glass is the perfect cold remedy. It keeps homes warmer and more comfortable by blocking heat loss to the outside and letting the sun's heat stream in - ideal for passive solar applications. Sun Gain ER extends a warm welcome home while achieving the highest ER (Energy Rating) values.

Solar Block U

Who says you can't do anything about the weather? Solar Block U glass delivers year-round comfort in all types of weather. In summer, it rejects the sun's heat and damaging UV rays. In winter, with its low U-value, Solar Block U reflects heat back into the room. Regardless of where your home is located, enjoy the highest level of comfort and energy savings year-round.

Solar Block U-I

Give your dual pane windows a boost to triple pane energy code guidelines. Solar Block U-I has low-e on the room side surface of the glass, thus reflecting escaping heat back into the room and lowering U-values. This dual pane sealed unit delivers performance better than clear triple-pane

LOW-E AND GLASS UNIT TYPE	VISIBLE LIGHT			FADE TRANSMISSION		SOLAR	U-VALUE	
	Trans-mission	Ext. Reflectance	Int. Reflectance	UV	ISO	Heat Gain Coefficient	Air fill	Argon fill
Sun Gain ER Dual pane Surface 3	79%	15%	15%	28%	62%	0.62	1.76	1.48
Solar Block U Dual pane Surface 2	72%	11%	12%	16%	55%	0.41	1.70	1.42
Solar Block U-I Dual pane Surface 2 & 4	70%	11%	11%	16%	53%	0.41	1.31	1.14
Sun Gain ER Triple Pane Surface 2 & 5	70%	20%	20%	13%	50%	0.56	1.08	0.85
Solar Block U Triple pane Surface 2 & 5	57%	13%	13%	5%	40%	0.35	1.02	0.79

Comparison information is glass unit only. For Total Window performance ratings ask for our Energy Performance Information sheet



About our Supplier

Visit www.cardinalcorp.com for more information

Cardinal Glass Industries is the leader in the development of residential glass for windows and doors maintaining a clear vision: design and fabricate the most advanced residential glass products that regular homeowners can use.



Sun Gain ER



Solar Block U



Solar Block U-I



Diamond Fusion® coating turns ordinary glass into extraordinary glass. The coating creates a covalent molecular bond making glass smooth and clear. As a result, enjoy crystal-clear, high-performing windows for the entirety of their lifetime, guaranteed.



Ordinary Glass



DFI



Cut your cleaning time by up to 90%



All you need is water, no more harsh cleaners



Repels moisture and all other contaminants



100% optically-clear windows



Won't yellow, haze, fade, or corrode