



## Low E Performance Data Comparison Chart

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Sealed Unit Configuration	Dual Units						Triple Units										
	Outer Lite >		Center Lite >		Inner Lite >		3mm Clear		3mm Clear		3mm Sungate 500		3mm Solarban 60		3mm Solarban 60		
	3mm Clear	3mm Clear	3mm Clear	3mm Sungate 500	3mm Clear	3mm Clear	3mm Clear	3mm Clear	3mm Sungate 500	3mm Sungate 500	3mm Sungate 500	3mm Clear	3mm Clear	3mm Clear	3mm Clear	3mm Solarban 60	
PERFORMANCE DATA																	
		Air	Argon	Air	Argon	Air	Argon	Air	Argon	Air	Argon	Air	Argon	Air	Argon	Air	Argon
<b>U VALUE</b>																	
Winter Nighttime (BTU/hr/ft <sup>2</sup> /F)		0.48	0.45	0.35	0.31	0.30	0.25	0.31	0.29	0.24	0.21	0.20	0.17	0.22	0.19	0.16	0.13
Summer Daytime (BTU/hr/ft <sup>2</sup> /F)		0.50	0.48	0.35	0.31	0.28	0.23	0.35	0.33	0.27	0.24	0.22	0.19	0.22	0.18	0.17	0.13
R Value ( Average of Winter and Summer)		2.04	2.15	2.86	3.23	3.45	4.17	3.03	3.23	3.92	4.44	4.76	5.56	4.55	5.41	6.06	7.69
Shading Coefficient		0.86	0.86	0.80	0.80	0.44	0.44	0.77	0.77	0.71	0.71	0.64	0.64	0.40	0.40	0.38	0.37
Solar Heat Gain Coefficient		0.75	0.75	0.70	0.70	0.39	0.38	0.67	0.67	0.62	0.62	0.56	0.56	0.35	0.35	0.33	0.33
Relative Heat Gain - English (BTU/hr.ft <sup>2</sup> )		179	179	165	165	93	91	159	158	147	146	132	131	84	83	78	77
<b>Transmittance (%)</b>																	
Visible		81		76		72		74		69		64		65		58	
Ultraviolet		58		48		21		48		40		34		18		7	

**Notes:**

While PPG believes this calculated performance data to be reasonably accurate, it may not precisely agree with similar performance data calculated using the LBL Window 5.2 program. PPG's published data is based on the LBL Window 5.2 program. Information published above is from the Performance Glass Calculator Calculated Center-of-Glass Thermal and Optical Properties Based on NFRC 100-2001 Environmental Design Conditions. All calculations have been calculated using 1/2" spacer cavities.

Low E Coatings - All low e that are placed on outer lite the low e coating is on surface #2. Low e product placed on the inner lite of glass is on surface #3 in the case of duals and Surface #5 in the case of triple units.

Argon is calculated based on a 90% argon and 10 % air mixture.

Performance values subject to change.

**Glossary:**

**Shading Coefficient** - A measure of the ability of a window or skylight to transmit solar heat, relative to that ability for 3 mm (1/8-inch) clear, double-strength, single glass. Shading coefficient is being phased out in favor of the solar heat gain coefficient (SHGC), and is approximately equal to the SHGC multiplied by 1.15. The shading coefficient is expressed as a number without units between 0 and 1. The lower a window's solar heat gain coefficient or shading coefficient, the less solar heat it transmits, and the greater is its shading ability.

**Relative Heat Gain** is the combination of solar heat gain (the transmitted energy plus that amount of absorbed energy that is radiated to the interior) and heat transfer due to the indoor/outdoor temperature differential.

**R-value** is an assigned number derived from a specific testing procedure to determine a materials (or building assemblage) "resistance to conductive heat transfer". The higher the R-value, the more resistant a material (or building assemblage) is to conductive heat transfer.