



RavenWindow®: Performance Specifications

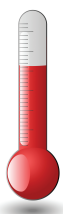
Make the transition... Intuitive. Logical. Smart.

RavenWindow is a thermochromic technology applied on the outboard pane of glass in an insulating glass unit (IGU) during window fabrication. As a solar-reactive filter, it requires no additional wiring or installation process, making RavenWindow the natural choice for retrofits and new construction.

The chart below provides performance specifications for RavenWindow's clear and tinted states applied to a number of IGU configurations. Go to RavenBrick.com to request data specific to a region or product requirement.

Window Application	Tint State	Transmittance Percentage			Reflectance Percentage				U-Value	Solar Heat-Gain Coefficient	Shade Coefficient
		Visible	UV	Solar	Visible Out	Visible In	Solar Out	Solar In			
1-Inch IGU W/ Standard Low-E	Clear	0.320	0.0144	0.3440	0.1074	0.1691	0.1480	0.1422	0.347	0.486	0.558
1-Inch IGU W/ Standard Low-E	Tint	0.028	0.0004	0.1856	0.0801	0.1618	0.1211	0.1346	0.347	0.332	0.382
1-Inch IGU W/ Double Silver Low-E	Clear	0.278	0.0032	0.1070	0.0993	0.1227	0.4381	0.4939	0.284	0.190	0.219
1-Inch IGU W/ Double Silver Low-E	Tint	0.024	0.0001	0.0110	0.081	0.1172	0.3676	0.4918	0.284	0.075	0.086
Gas Fill	Clear	0.320	0.0144	0.3440	0.1074	0.1691	0.1480	0.1422	0.305	0.486	0.486
Gas Fill	Tint	0.028	0.0004	0.1856	0.0801	0.1618	0.1211	0.1346	0.305	0.328	0.377
1-Inch IGU Clear Dual Pane	Clear	0.343	0.0165	0.3991	0.1033	0.1566	0.1369	0.1352	0.473	0.516	0.593
1-Inch IGU Clear Dual Pane	Tint	0.030	0.0005	0.2277	0.0801	0.1481	0.1140	0.1270	0.473	0.369	0.424
1-Inch IGU W/ Standard Low-E	No RW Filter	0.736	0.419	0.5210	0.1739	0.1653	0.1495	0.1360	0.347	0.658	0.756

Calculations derived from Lawrence Berkeley National Lab SUNGATE® 500 as the standard Low-E, the equivalent to Cardinal 180 LoE-180, Double Silver Low-E: Solarban 70XL, Gas Fill: Argon



Customizable Transitioning Threshold

RavenWindow provides architects, developers, and contractors the ability to customize the transitioning threshold based on location/heat zone.



LEED

RavenWindow is a valuable component to achieve LEED certification. To learn more about how dynamic glass addresses LEED requirements, RavenBrick® offers the accredited online course; "The Role of Dynamic Glazing in Driving Energy Efficiency in Buildings," an AIA and GBCI Continuing Education Course available at RavenBrick.com.