Product Comparison Chart

Project: GUARDIAN GLASS

Color	Product Description - Performance Characteristics	Thickness (inches)	Visible Trans. (%)	Visible Refl. Out (%)	Visible Refl. In (%)	UV Trans. (%)	Solar Trans. (%)	Solar Refl. Out (%)	Winter U-factor	Summer U-factor	Shading Coeff.	Solar Heat Gain Coeff.	Relative Heat Gain	Light to Solar Gain
	OB: 1/4" Guardian SunGuard® SuperNeutral® 68 on Clear Low-E #2 AS: 1/2 inch (Air Fill) IB: 7/16" Laminate - 3/16" Clear - 0.060" Clear PVB - 3/16" Clear	1.149	66	11	12	<1	30	32	0.29	0.27	0.43	0.37	89	1.78
	OB: 1/4" Guardian SunGuard® SNX 62/27 on Clear Low-E #2 AS: 1/2 inch (Air Fill) IB: 7/16" Laminate - 3/16" Clear - 0.060" Clear PVB - 3/16" Clear	1.149	60	11	12	<1	22	39	0.28	0.26	0.30	0.26	64	2.31
	OB: 1/4" Guardian SunGuard® SNX 51/23 on Clear Low-E #2 AS: 1/2 inch (Air Fill) IB: 7/16" Laminate - 3/16" Clear - 0.060" Clear PVB - 3/16" Clear	1.149	50	14	13	<1	18	35	0.28	0.26	0.27	0.23	57	2.17

NOTES:

GlasSelect® calculates center of glass performance data using the Lawrence Berkeley National Laboratory (LBNL) Window 7.4 program (version v7.4.8.0) with Environmental Conditions set at NFRC 100-2010. Gas Library ID#1 (Air) is used for Insulating Glass units with air. Gas Library ID#9 (10% Air/90% Argon) is used for Insulating Glass units with argon. Monolithic glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 53.0; 2. Vendor supplied spectral data files. Laminated glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 53.0; 2. LBNL Optics 6 (version 6.0 Maintenance Pack 1); 3. Vendor supplied spectral data files; 4. Vendor supplied data.5. Based on vendor testing, clear acid-etched glass performance data is estimated using regular clear glass of equivalent thickness.

Glass colors represented herein are included only for the general purpose of glass selection. Accurate representation of optical properties, including color and reflectivity, can only be achieved by viewing glass mock-ups in conditions that are similar to the actual job. User assumes all responsibility and liability for glass color selection. Thermal values are in Imperial units.