

Product Comparison Chart

Customer: St Louis Glass Works

Project: Low-e on clear

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" Pilkington Energy Advantage™ Low-E #2 AS: 1/2 inch (Air Fill) IB: 1/4" Clear	0.946	73	16	17	38	52	14	0.33	0.33	0.71	0.62	147	1.18
	OB: 1/4" PPG Solarban® 60 on Clear Low-E #2 AS: 1/2 inch (Air Fill) IB: 1/4" Clear	0.946	70	11	12	18	34	28	0.29	0.27	0.45	0.39	94	1.79
	OB: 1/4" PPG Solarban® 70XL Low-E #2 AS: 1/2 inch (Air Fill) IB: 1/4" Clear	0.946	64	12	13	6	25	52	0.28	0.26	0.32	0.27	67	2.37

NOTES:

GlasSelect® calculates center of glass performance data using the Lawrence Berkeley National Laboratory (LBNL) Window 6.3 program (version 6.3.74.0) 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 44.0; 2. Vendor supplied spectral data files. Laminated glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 44.0; 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.