

Glass Options 2010

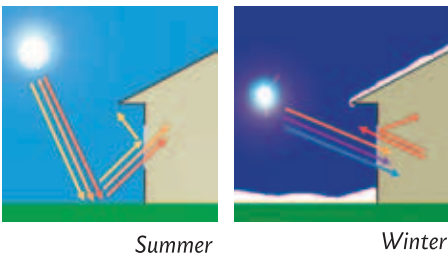
Energlass® Plus & Energlass®

Looking at windows in a different way.™

 Peter Kohler
WINDOWS & ENTRANCE SYSTEMS



Energlass®

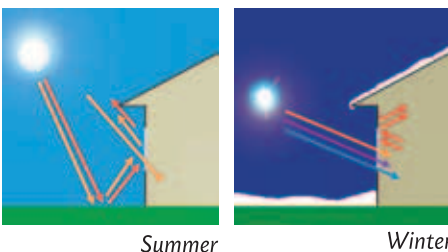


Conserving energy is a priority for you, and it is for us as well. We provide a wide variety of glass options that act to increase a home's energy efficiency.

Energlass® Plus

Energlass Plus® is technology at its best. It is an ultra high performance energy efficient triple glazed system using a warm edge spacer, two panes of LoE glass, and the two cavities are filled with high density gas.

Energlass® LSG



On our casement system we are able to take advantage of our deep sash to offer a 1 3/8" deep insulated glass unit that gives two full 1/2" argon filled spaces – the cavity depth that maximizes efficiency by best balancing losses due to convection and conduction.

On slider systems we are limited to a 7/8" deep insulated glass unit, so in addition to the more economical argon gas fill we also offer a krypton fill. Krypton performs exceptionally well in smaller cavities.

Glass Options



Energlass®

Energlass® is our most popular glazing option, and dramatically reduces heat loss. It provides a double glazed insulated glass unit with our stainless warm edge spacer system, LoE glass, and an argon gas fill. The LoE is placed on surface #3 to promote solar gain.

Both Energlass® and Energlass® Plus improve resistance to interior condensation and significantly reduce the infiltration of harmful UV rays. The LoE used in these products is a recent development from PPG that for the first time provides the lower conductivity found in soft coat LoE's with the high solar gain properties of a hard coat LoE resulting in industry leading ER values.

LSG

We also offer a low solar gain (LSG) version of Energlass® and Energlass® Plus for those looking for year round comfort and placing a high priority on keeping their house cool in the summer. The LSG versions use a pure soft coat LoE on surface #2 (and #4). These options provide the lowest U values and solar heat gain coefficients.

Ratings Chart

based on Supreme Operating Casement window using listed glass options.

	U factor (imperial)	U factor (metric)	Solar Heat Gain Coefficient	Energy Rating (ER) Value	Condensation Resistance
Clear Glass	0.41	2.33	0.49	17	45
LoE/Argon	0.30	1.70	0.44	28	59
LoE/Argon LSG	0.28	1.59	0.25	19	61
Energlass®	0.29	1.65	0.44	30	62
Energlass® LSG	0.27	1.53	0.25	20	64
Energlass® Plus	0.19	1.08	0.37	37	76
Energlass® Plus LSG	0.18	1.02	0.20	29	79

Ratings Chart

based on Supreme Single Hung window using listed glass options.

	U factor (imperial)	U factor (metric)	Solar Heat Gain Coefficient	Energy Rating (ER) Value	Condensation Resistance
Clear Glass	0.48	2.73	0.60	15	46
LoE/Argon	0.33	1.87	0.53	29	60
LoE/Argon LSG	0.31	1.76	0.31	19	61
Energlass®	0.32	1.82	0.53	31	62
Energlass® LSG	0.30	1.70	0.31	21	62
Energlass® Plus Argon	0.27	1.53	0.45	32	62
Energlass® Plus Argon LSG	0.26	1.48	0.25	22	62
Energlass® Plus	0.22	1.25	0.45	39	63
Energlass® Plus LSG	0.21	1.19	0.24	28	63



Peter Kohler
WINDOWS & ENTRANCE SYSTEMS

www.PeterKohler.com

