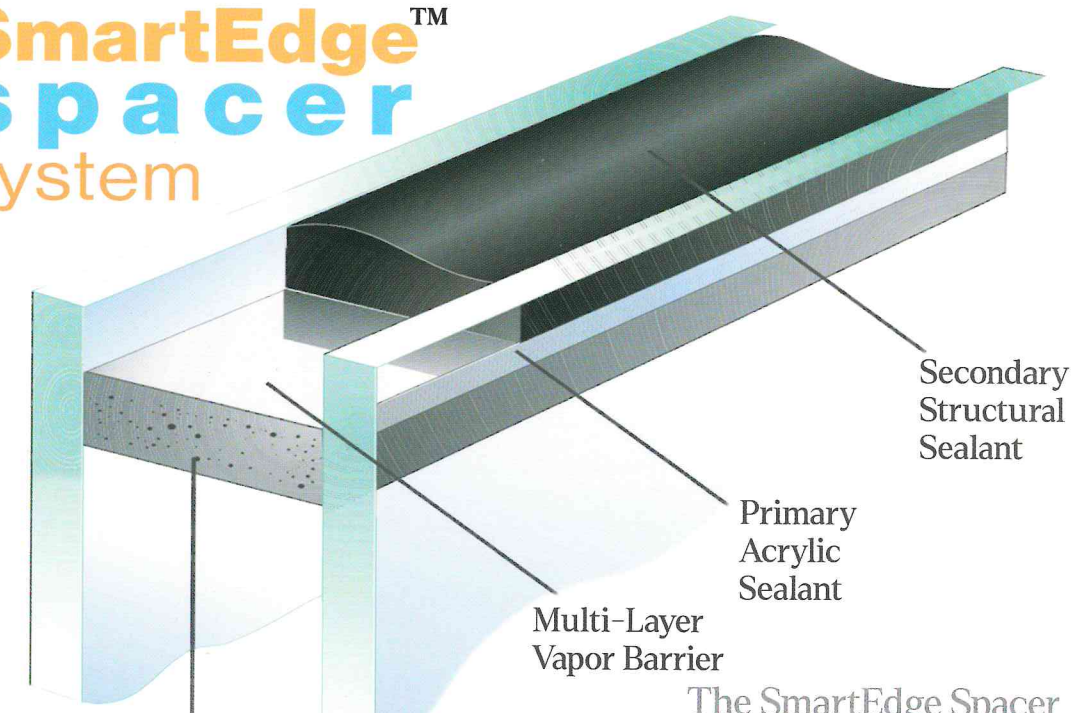


energy efficiency

U-factor the rate of thermal heat loss through an entire window assembly



SmartEdgeTM
spacer
system



The SmartEdge Spacer System is designed to maintain full adhesion to the panes of glass as they flex with temperature variances, resulting in one of the highest Argon gas retention rates in the industry. Since no metal is used, the SmartEdge Spacer keeps interior glass surfaces up to 60% warmer than the leading metallic spacer system. This spacer system truly has a warm edge above the rest.

Thermal Barrier

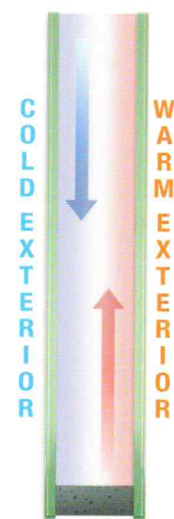
WINTER PERFORMANCE GLASS

The SmartShieldTM Glass System comes standard with a ceramic-based indium oxide coating located on the interior glass surface that acts as a thermal barrier, reflecting the thermal heat back into your home. This further reduces the convection current between the panes of glass, dramatically improving the overall U-factor of the Eloquence Window. This ceramic indium coating is the same type of coating used on your smartphone, which reacts to the energy from your finger to manipulate the screen.

Smartphone = SmartShield.



Ar⁹⁰ argon
Contrasting temperatures from the outdoors and the indoors meet between the panes of an insulated glass unit. This creates a convection current that promotes thermal transfer. Ar90 Argon gas fill helps reduce this heat loss by up to 17%. Every Ar90 glass package is certified by the Insulated Glass Certification Council.



Heavier cold air from outside falls as warm air from interior rises.



This convection current facilitates thermal heat loss from inside home.



Argon gas fill provides resistance to convection current improving thermal value.



J-CORE Insulated Window System

J-CORE is a structural cellular polymer that ensures a complete fill in the mainframe and sash through a precise injection process. This results in a thermal value nearly 10% better than typical hollow chamber vinyl windows. With twice the insulation of fiberglass, J-Core enhances energy efficiency, indoor comfort, and long-term savings.