

ClimaTech[®] Plus

High-Performance Insulated Glass System



Experience the comfort only ClimaTech Plus can provide.

Alside[®]

ClimaTech Plus Foam Spacer

Energy Saving Solutions.

For most people, conserving energy and reducing fuel costs is a primary reason for purchasing replacement windows. The ClimaTech Plus insulating glass package* is energy-engineered to maximize the thermal efficiency of your home. By combining our Foam Spacer System with a glass unit of UV-filtering Low-E (low-emissivity) glass and argon gas, ClimaTech Plus provides a high-performance glazing system that helps shield your home against energy loss, while also preventing condensation from forming at the window edge.

The spacer system in your window not only stabilizes the panes of glass, it also plays a key role in the window's structural integrity. Many of today's windows are constructed with highly conductive metal-based spacers, which can cause the window to lose its overall resistance to heat flow at the edge of the glass.

By combining a patented structural foam spacer with a seal of hot melt butyl to create a 'warm' non-conductive edge, the non-metal Foam Spacer System eliminates metal-to-glass contact, increasing glass edge temperatures for a superior thermal barrier and year-round energy savings. The dual-seal design also delivers outstanding durability and longevity by minimizing any subtle movement of the glass panes caused by temperature changes.



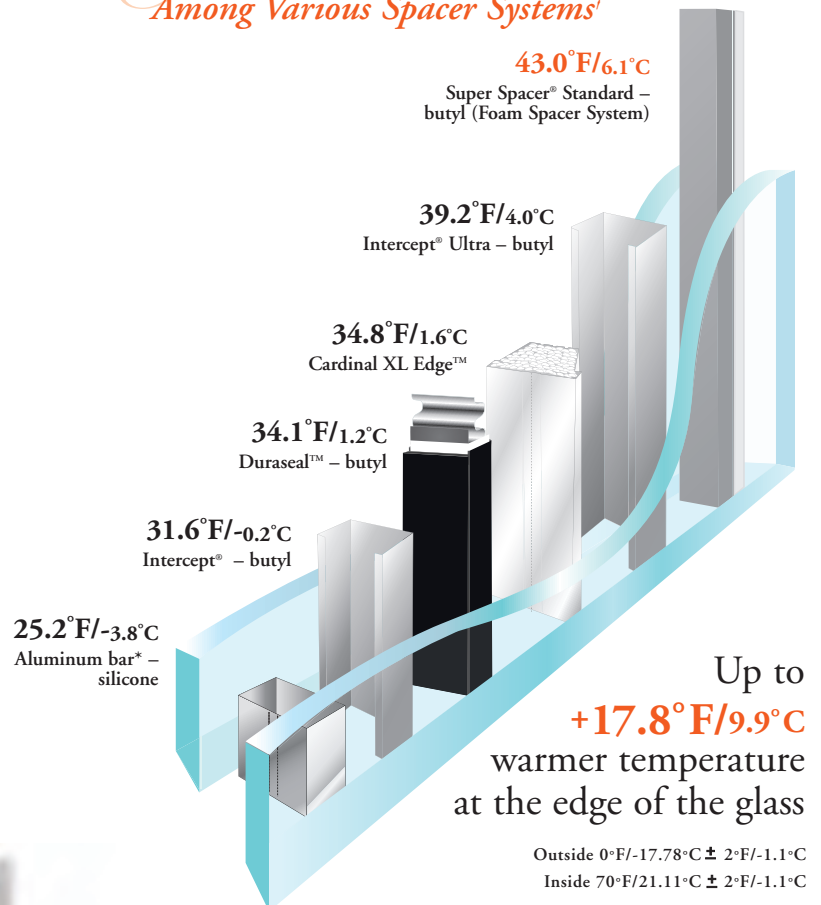
Traditional Metal Spacer

The metal edges conduct cold from the outside, which can lead to condensation problems at the window edge.

SST Warm-Edge Technology

SST's patented structural foam design blocks the path of escaping heat far more efficiently than any other type of spacer, minimizes conduction and helps prevent condensation.

Comparison of Glass Edge Temperatures Among Various Spacer Systems†



Simulations performed by Enermodal Engineering Ltd. using Window 5.2 and Therm 5.2 as per NFRC100-2001. Outside temperature 0°F, inside temperature 70°F. Low-E glass Cardinal Low-E2 272. Air spaces .500" wide, 90% argon fill. IGU's 24" x 48". The secondary butyl used with Intercept was 0.035" thick. The conductivity used for Super Spacer Premium was 0.102. Super Spacer, Duralite and Duraseal are registered trademarks of Quanex Building Products, www.Quanex.com. Intercept is a registered trademark of GED Integrated Solutions. XL Edge is a trademark of Cardinal Glass Industries. *The Keff for these spacers was calculated using ho and bi = 9999 (others were ho = 30 and bi = 8) [EIG906WK EIG906W/IEB 11-08/EIG10009W]

Foam Spacer System's Proven Advantages.

- Exclusive, patented, true warm-edge
- Advanced multi-layer vapor barrier structure
- Patented double-seal system
- Up to 71% more thermally efficient at the edge than windows made with conventional aluminum spacers
- Reduces the chance of seal failure
- Up to 18% improved sound absorption over traditional metal spacers
- Helps to lower year-round energy use
- Tested and proven durability



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