

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.

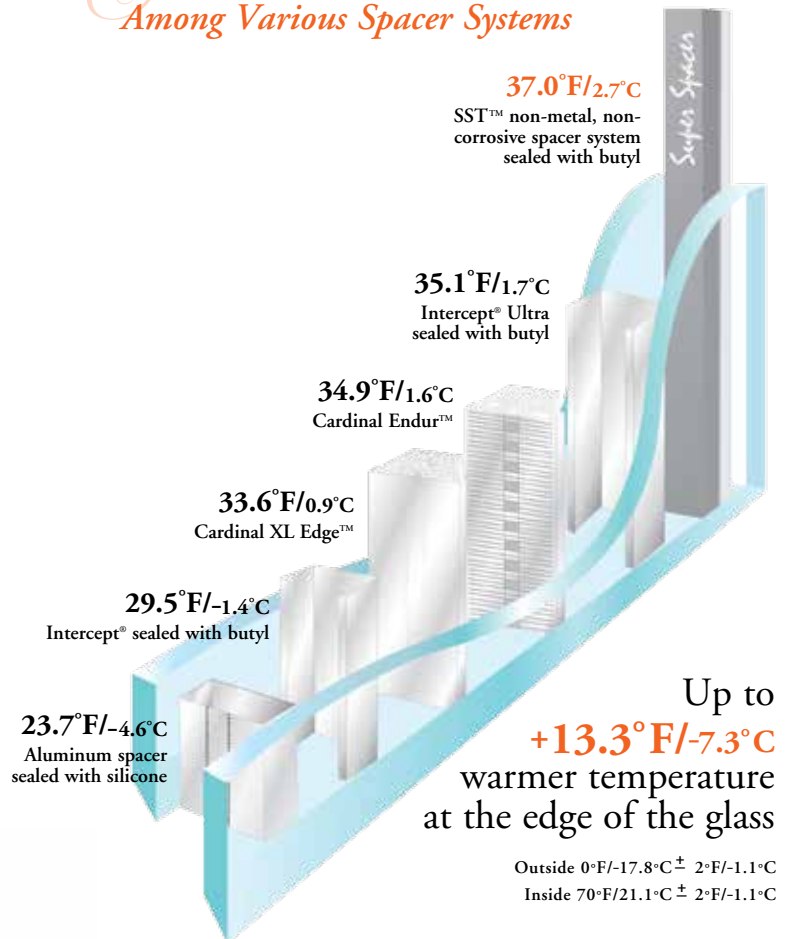
By combining a structural foam spacer with a seal of hot melt butyl to create a 'warm' non-conductive edge, the non-metal Foam Spacer System eliminates metal-to-glass contact, increasing glass edge temperatures for a superior thermal barrier and year-round energy savings. The dual-seal design also delivers 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 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 WSP Canada Ltd. using Window 7.4 and Therm 7.4 according to NRFC 100-2014 and NRFC 200-2014. All models were 1200 x 1500 mm (approx. 48" x 60") and NRFC-2010 conditions -0°F outside, 70°F inside - were used for all simulations. Low-E glass for double-pane IG was Cardinal Low-E² 270; Low-E glass for triple-pane IG was Cardinal Low-E³ 366. All air spaces 0.500" wide with 90% argon fill. Doubles were modeled as IG units only and in Mikron 1400 series SSTDH; triples were modeled as IG only and in Mikron 10700 (EnergyQuest) series SSTDH. Secondary sealant materials and depths are as listed. Temperature values shown are from modeling results and were measured at the sightline (SL) and at 0.5" above the sightline (SL+1/2") thick. Super Spacer is a registered trademark of Quانع Building Products. SST is a trademark of AMI. XL Intercept is a registered trademark of GED Integrated Solutions. XL Edge is a trademark of Cardinal Glass Industries. [QBP17M00614]

Foam Spacer System's Proven Advantages.

- True warm-edge
- Advanced multi-layer vapor barrier structure
- Double-seal system
- Up to 56% 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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