

*Super Spacer*



**Before you choose  
an I.G. supplier**



**Get the facts about  
Spacer Systems**



# All spacer systems are *not* created equal.

**Think about** what windows go through. They have to face extreme temperature changes all year. Plus, they're bombarded with UV rays, barometric pressure changes and nasty winds.

**Luckily,** there's a simple way to give windows an advantage in reducing energy costs, ensuring durability and adding comfort and value to any environment. Choose insulating glass made with TSS® Super Spacer®.

## TSS Technology

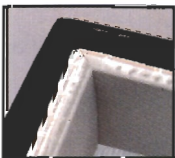
Super Spacer products are manufactured with Thermoset Spacer (TSS) Technology. Thermoset polymers are materials with crosslinks that become permanently set during the curing process. They have 100% memory, meaning they cannot be reshaped through reheating.

Window spacing systems manufactured with TSS polymers and acrylic adhesives provide superior structural integrity. They will stand up to a wide range of temperatures, and they are configured with outstanding UV resistance.

## The Thermoset Advantage

Super Spacer gives you clean lines – great aesthetics

TSS

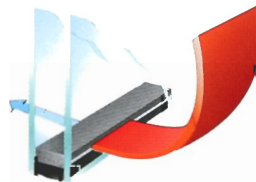


TPS



## The NO-Metal Advantage

"Thermal efficiency through no presence of conductive metals" is Super Spacer's hallmark. The edge of the insulating glass unit is indeed the most vulnerable to heat and cooling loss, condensation and frosting. Super Spacer's NO-Metal formula blocks the heat escape path and provides one of the best thermal performances in the industry. That means it keeps the heat in during the winter and keeps the cool in during the summer. Super Spacer assures comfortable humidity levels with hardly any worries about condensation and mold.



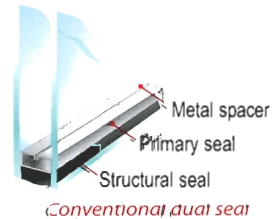
## Metal can't bounce back

the way Super Spacer can. Thanks to our Thermoset Spacer (TSS) technology, the spacer will expand and contract, but it will always return to its original shape. Rigid metal and plastic spacers cannot compensate for the natural expansion and contraction that occurs daily in insulating glass. Without all-foam Super Spacer, windows can develop stress cracks that eventually lead to seal failure. Super Spacer's 100% memory formula will stand up to a wide range of temperatures.

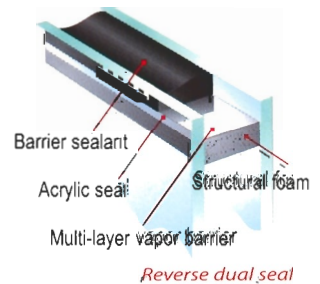


## Durability

Super Spacer's outstanding durability is directly related to its edge seal design. Conventional dual-seal technology first lays down two polyisobutylene (PIB) moisture-barrier side beads on a metal spacer, backing them up on the outside with a structural sealant to hold the spacing system together.



Super Spacer, however, reverses the process. Its structural seal is on the inside – pre-applied to the spacer itself. This takes the form of a pressure sensitive, acrylic adhesive backed up by hot-melt butyl or a comparable, low permeable sealant on the outside, where a gas/moisture barrier seal can do the most good.



The result is an unbelievably durable double seal that provides for amazingly consistent seal quality.

# Get the facts... Get the benefits!

## If only the strong survive,

then we'll outlast all the rest. All Super Spacer products meet the challenge of the P-1 chamber, the test many engineers consider the world's toughest. One week spent in a P-1 chamber is equivalent to one year in the field. And since Super Spacer survives 100 weeks, well, you do the math...

## Worldwide Standards

Super Spacer Premium Plus and Premium have met the following global standards:

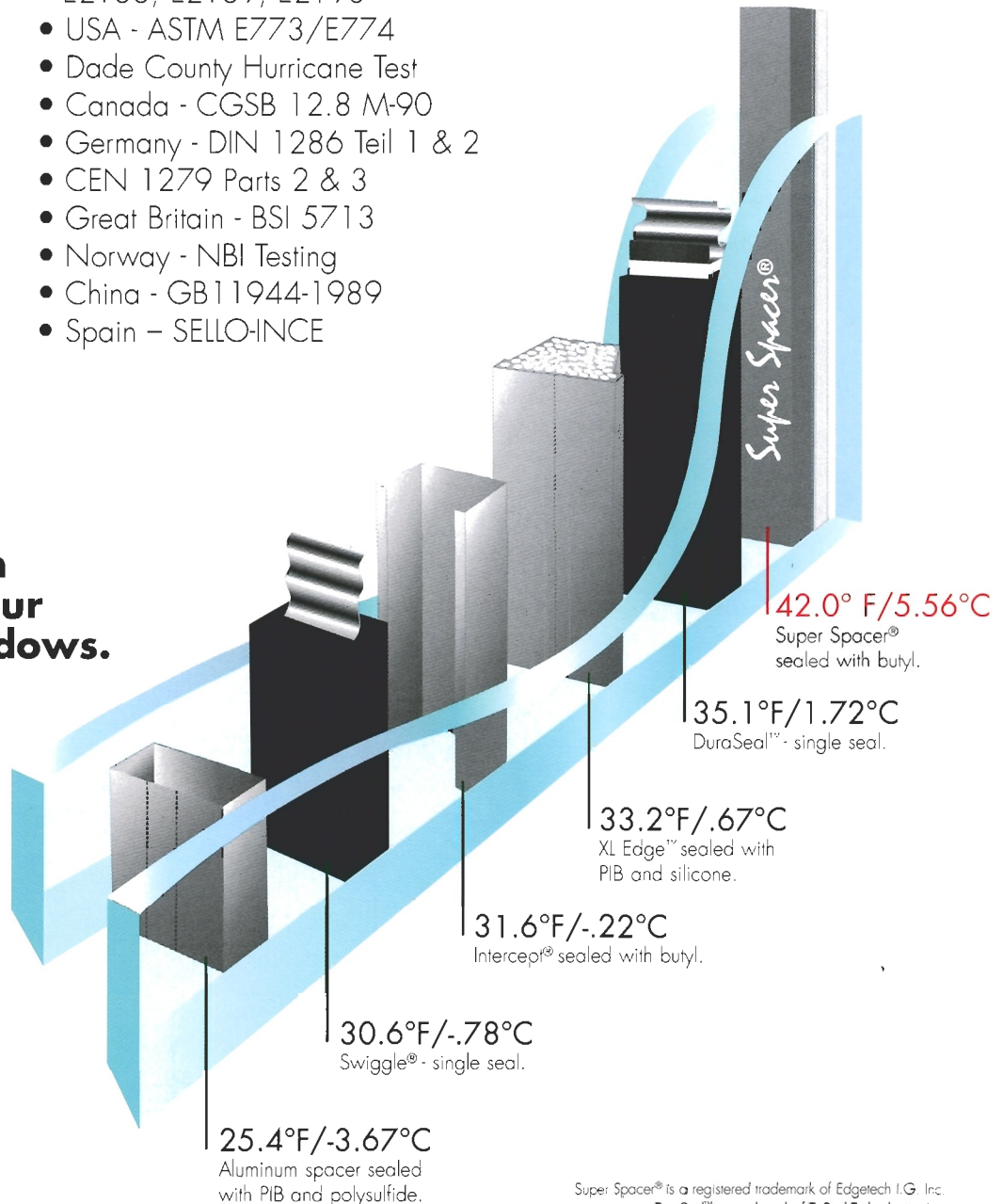
- North America - HIGS ASTM E2188, E2189, E2190
- USA - ASTM E773/E774
- Dade County Hurricane Test
- Canada - CGSB 12.8 M-90
- Germany - DIN 1286 Teil 1 & 2
- CEN 1279 Parts 2 & 3
- Great Britain - BSI 5713
- Norway - NBI Testing
- China - GB11944-1989
- Spain - SELLO-INCE

**When it's cold outside, metal type spacers can drain the energy of your high performance windows.**

up to  
**+16.6°F/  
9.23°C**

**warmer temperature at the edge of the glass**

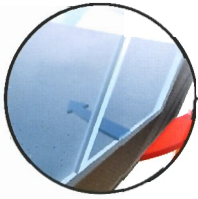
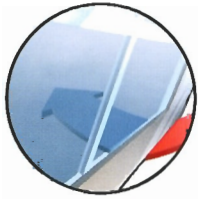
Outside 0°F/-17.78°C ± 2°F/-16.67°C  
Inside 70°F/21.11°C ± 2°F/-16.67°C



Super Spacer® is a registered trademark of Edgetech I.G. Inc.  
DuraSeal™ is a trademark of TruSeal Technologies, Inc.  
XL Edge™ is a trademark of Cardinal Glass Industries  
Intercept® is a registered trademark of PPG Industries Inc.  
Swiggle® is a trademark of TruSeal Technologies, Inc.

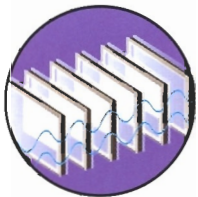
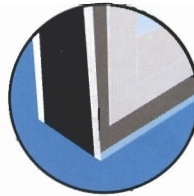
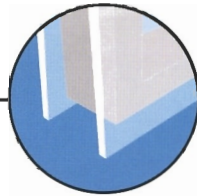
Simulations performed by Enermodal Engineering Ltd. using Window 5.2 and Therm 5.2 as per NFRC100-2001. All air spaces are .500" wide, IGUs are 24" x 48", Low-E glass is Cardinal low-E<sup>2</sup> 172.

# Super Spacer... For So Many Reasons.



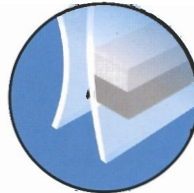
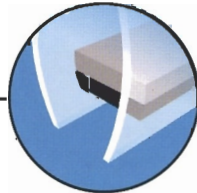
The all-foam formula of Super Spacer® blocks the heat escape path and provides one of the best thermal performances in the industry.

Our dual seal system helps Super Spacer insulating glass units last up to five times longer in durability tests than single-seal units.



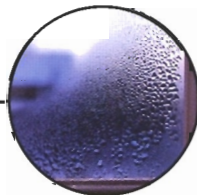
Super Spacer units withstand the 140°F/60°C temperatures, 95 - 100% humidity and constant UV bombardment in the world's toughest durability test - The P-1 chamber.

Our all-foam formula offsets the effects of temperature changes, barometric pressure, wind load and glazing pressure. The end result is less seal failure and fewer stress cracks.



With up to 18% improved sound absorption over traditional metal spacers, NO-Metal Super Spacer is a huge help in keeping the decibels down.

Condensation can lead to more than bacteria and molds. It can increase the likelihood of fungi, viruses and mites that cause respiratory infections, allergies and asthma.



For the most energy efficient and durable windows that give you the added benefits of improved sound absorption and less chance of condensation, choose IG made with Super Spacer® all-foam insulating glass spacer.

Super Spacer®

[www.superspacer.com](http://www.superspacer.com)