BEFORE YOU CHOOSE A WINDOW SYSTEM
GET THE FACTS ABOUT SPACER SYSTEMS

Super Spacer®
**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® Technology.

**TSS TECHNOLOGY**

Super Spacer® products are manufactured with Thermoset Spacer (TSS) Technology. Rigid metal and plastic spacers cannot compensate for the natural expansion and contraction that occurs daily in insulating glass. Without all-foam spacer 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.

**THE FOAM 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 spacer technology, 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 polysisobutylene (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.

**WORLDWIDE STANDARDS**

Super Spacer has been tested and has met the following global standards:
- North America E2188/E2189/E2190
- European EN 1279
- Canadian CGSB 12.8
- ASTM E330
- (120° psf positive, 155° psf negative)
- French Standard CSTB for CEKAL.
- Passive House phA+ certificate for Arctic climate
- Industry type P-1 testing.

No failure, maximum limitations of testing equipment.

**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 40+ weeks¹, well, you do the math.

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**The warmest edge among dual-seal systems.**

**DUAL-SEAL SYSTEMS**

- **Conventional dual-seal**
  - Metal spacer
  - Primary seal
  - Secondary seal
  - Structural foam

**NEWDUAL-SEAL SYSTEMS**

- **Reverse dual-seal**
  - Multi-layer vapor barrier
  - iamazingly consistent seal
  - Multi-layer vapor barrier
  - Structural foam
  - Primary seal
  - Multi-layer vapor barrier
  - Secondary seal
  - Structural foam

**METAL TYPE SPACERS CAN**

- **be worn out by**
  - **heat**
  - **cold**
  - **humidity**
  - **condensation**

**WHEN IT’S COLD OUTSIDE,**

**METAL TYPE SPACERS CAN**

- **dual-seal systems.**

**WARMER TEMPERATURE AT THE EDGE OF THE GLASS**

- Outside 0°F/-17.8°C ± 2°F/-1.1°C
- Inside 70°F/21.1°C ± 2°F/-1.1°C

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**GET THE FACTS... GET THE BENEFITS!**
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 nine 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 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.