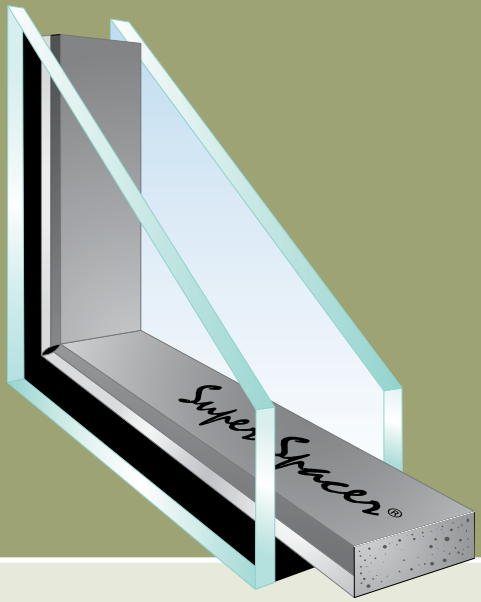
What type of spacer is in my windows?

Does it really matter?



You bet it matters! Here's why...

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 your windows an advantage in reducing energy costs, ensuring durability and adding comfort and value to your home. It's foam – a unique formula we call Super Spacer®.

Many of today's energy efficient windows offer glass packages with "Warm Edge Technology." The problem is that highly conductive metal-based insulating glass spacers are often used in these new windows.

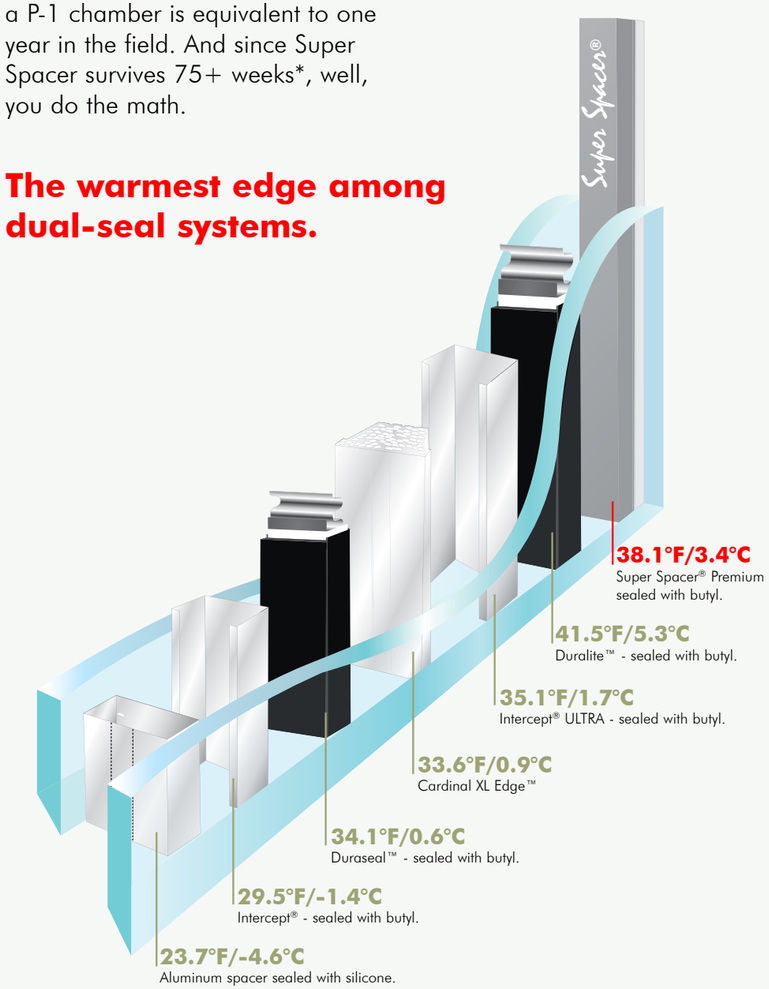
Our all-foam formula blocks heat flow, unlike most metal-based spacers on the market today. Windows lose and gain heat by conduction, convection, radiation and air leakage. Conduction is the movement of heat through a solid material. Touch a hot skillet, and you feel heat conducted from the stove through the pan. Heat flows through a window much the same way.

While windows sealed with Super Spacer protect you from the foul weather beating on your house, there's something else they keep outside – noise. Whether it's cars whizzing by, restless neighbors next door or power tools blasting on a Saturday morning, we can help keep it quiet inside. That's because the closed-cell polymer foam in Super Spacer transmits very little sound compared to conventional metal spacers. Another reason you're more comfortable with Super Spacer.

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, and is even designed to provide outstanding UV resistance.

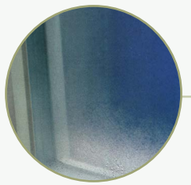
If only the strong survive, then we'll outlast all the rest. All Super Spacer products meet the challenge of the P-1 chamber, the test many engineers consider the world's toughest. One week spent in a P-1 chamber is equivalent to one year in the field. And since Super Spacer survives 75+ weeks*, well, you do the math.

The warmest edge among dual-seal systems.

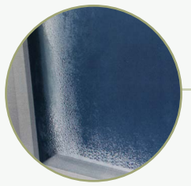


Warmer Glass Edge = Less Condensation and More Comfort

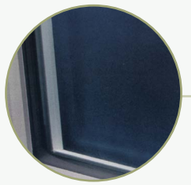
Foam vs. Metal: The Inside Story



Full Metal Spacer
With conventional metal spacers, condensation is a fact of life.



Less Metal Spacer
Mid-performance spacer systems that still contain metal improve condensation resistance.



NO-Metal Super Spacer®
Patented all-foam design dramatically reduces condensation, delivering the clearest picture in Warm Edge Technology.

up to

+14.4°F/ 8°C

warmer temperature at the edge of the glass

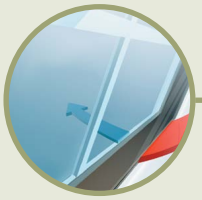
Outside 0°F/-17.78°C ± 2°F/-1.1°C
Inside 70°F/21.11°C ± 2°F/-1.1°C

Metal type spacers can drain the energy of your high performance windows.

Simulations performed by WSP Canada Ltd. using Window 7.4 and Therm 7.4, according to NFRC 100-2014 and NFRC 200-2014. All models were 1200 x 1500 mm (approx. 48" x 60") and NFRC-2010 conditions – 0°F outside, 70°F inside – were used for all simulations. Low-e glass for double-pane IG was Cardinal Low-E^2 270; low-e glass for triple-pane IG was Cardinal Low-E^3 366. 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+½"). thick. Super Spacer®, Duralite® and Duraseal® are registered trademarks of Quanex Building Products. Intercept® is a registered trademark of GED Integrated Solutions. XL Edge™ is a trademark of Cardinal Glass Industries. [QBP17M00614]

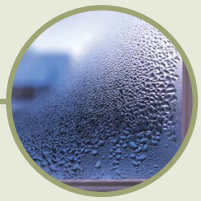
Source: WSP Canada Limited June 2017; Test QBP17M00614

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.

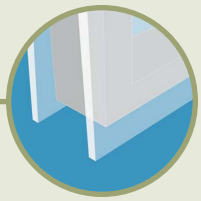
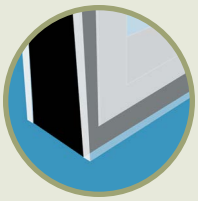
Condensation can lead to more than bacteria and molds. It can increase the likelihood of fungi, viruses and mites that cause respiratory infections, allergies and asthma.

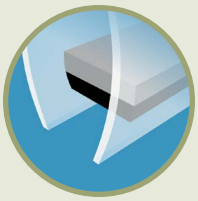
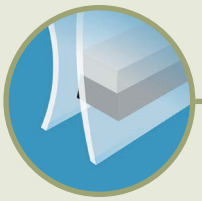




With improved sound absorption over traditional metal spacers, NO-Metal Super Spacer is a huge help in keeping the decibels down.

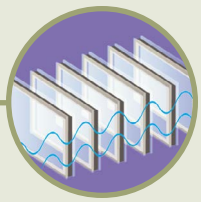
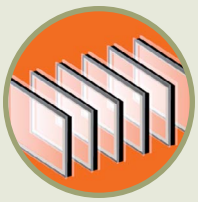
Our dual seal system helps Super Spacer insulating glass units last up to nine times longer* in durability tests than single-seal units.

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.

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.

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

Super Spacer®
www.superspacer.com

*Source: WSP Canada Limited June 2017; Test QBP17M00614