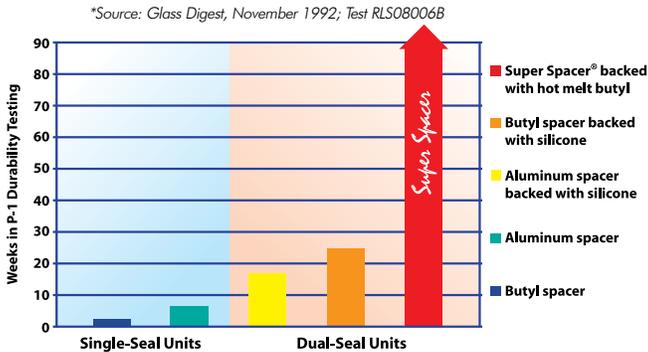


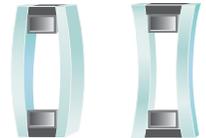
Super Spacer® sealed units have been shown to have up to nine times the life expectancy* of single seal insulating glass systems available on the market today.



The P-1 test, the world's toughest IG durability test, exposes units to 140°F (60°C), 95-100% humidity and constant UV bombardment. Each week of testing is approximately equivalent to one year of field use. Super Spacer units have tested to show a loss of less than 1% Argon gas in 5-years of service life simulation.

Super Spacer expands and contracts and always returns to its original shape protecting against stress cracks that can lead to seal failure. Super Spacer's 100% memory formula stands up to a wide range of temperatures, and is designed to provide outstanding UV resistance.

Full-Metal Spacer
 Metal spacer is rigid - Seal stress can result in seal failure



NO-Metal Super Spacer
 Flexible spacer resists stress - No seal failure



Warmest Edge = Best Performance

Protect against window condensation

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®
 All-foam design dramatically reduces interior condensation, delivering a clear view in Warm Edge technology.



Up to **+14.4°F (8°C)**
warmer temperature at the edge of the glass
 (vs. Aluminum Bar)

Outside 0°F ± 2°F
 -17.78°C ± 2°F/-1.1°C

Inside 70°F ± 2°F
 21.11°C ± 2°F/-1.1°C

38.1°F/3.4°C
 Super Spacer® Premium - butyl

35.1°F/1.7°C
 Intercept® ULTRA - butyl

33.6°F/0.9°C
 Cardinal XL Edge™

29.5°F/-1.4°C
 Intercept® - butyl

23.7°F/-4.6°C
 Aluminum spacer sealed with silicone

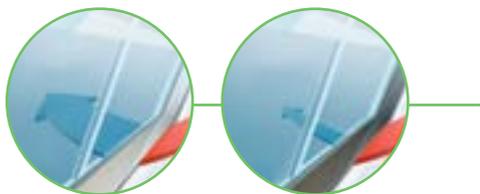


Simulations performed by WSP Canada Ltd. using Window 7.4 and Therm 7.4, according to NFRC 100-2014 and NFRC 200-2014. All models were 1200 x 1500 mm (approx. 48" x 60") and NFRC-2010 conditions - 0°F outside, 70°F inside - were used for all simulations. Low-e glass for double-pane IG was Cardinal Low-E² 270; low-e glass for triple-pane IG was Cardinal Low-E² 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®, 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]



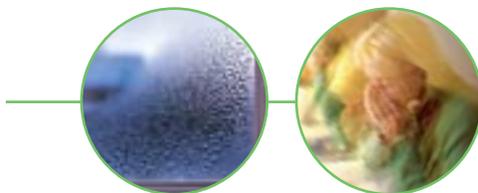
Super Spacer® ...for so many reasons

A Dual-seal, NO-Metal, warm edge spacer system featuring Super Spacer® is better able to ensure NFRC ENERGY STAR® certification by providing the best thermal conductivity, the lowest U-Factor among dual-seal systems and the best durability available in the industry.



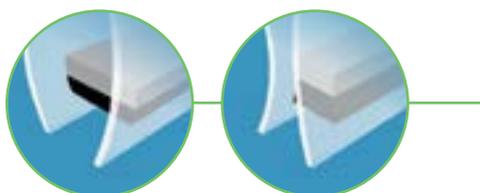
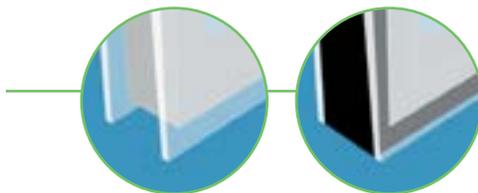
The all-foam formula of Super Spacer® blocks the heat escape path and provides one of the best thermal performances in the industry.

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.



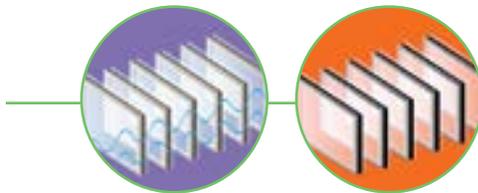
Improved sound absorption over traditional metal spacers; NO-Metal Super Spacer is a huge help in keeping the decibels down.

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.



*Source: Glass Digest, November 1992; Test RLS08006B