

Super Spacer®

WITH SUSTAINABLE WINDOW TECHNOLOGY

SUSTAINABILITY, STRENGTH, AND DURABILITY

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 WARMEST EDGE AMONG DUAL-SEAL SYSTEMS

Up to +18°F/8°C warmer temperature at the edge of the glass.

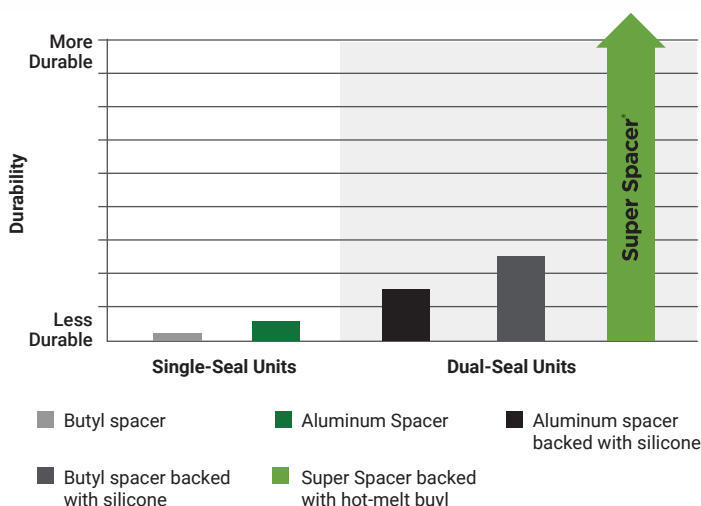
Outside Temp. 0°F/-17.8°C ± 2°F/-1.1°C

Inside Temp. 70°F/21.1°C ± 2°F/-1.1°C

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

Simulations performed using WINDOW 7.8 and THERM 7.8, according to NFRC 100-2020 and NFRC 200-2020. 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-E³ 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 both 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™ and is a trademark of Cardinal Glass Industries.

*Source: Glass Digest, November 1992; Test RLS08006B



Tested in the P-1 Chamber

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 Super Spacer survives with long term P1 performance with a low seal failure history within the industry.

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.

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.

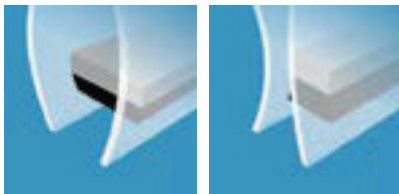


NO-Metal Super Spacer

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

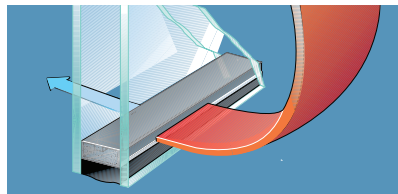
THE MANY REASONS TO CHOOSE SUPER SPACER®

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.



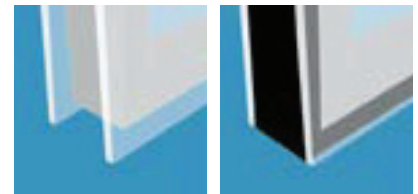
All-Foam Construction

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.



Outstanding Thermal Performance

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



Extremely Durable

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



Withstands Extreme Weather Conditions

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.



Noise Reducing

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



Reduces Harmful Condensation

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.



Learn more at
QUANEX.COM

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