

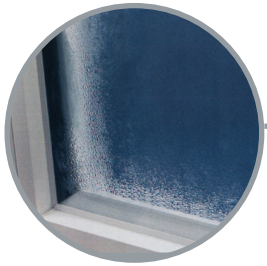
Super Spacer® COMPARISON

The Facts between Super Spacer® and XL Edge™



NO-Metal Super Spacer®

Patented all-foam design dramatically reduces condensation, delivering the clearest picture in Warm Edge technology.



Windows made with Cardinal XL Edge™

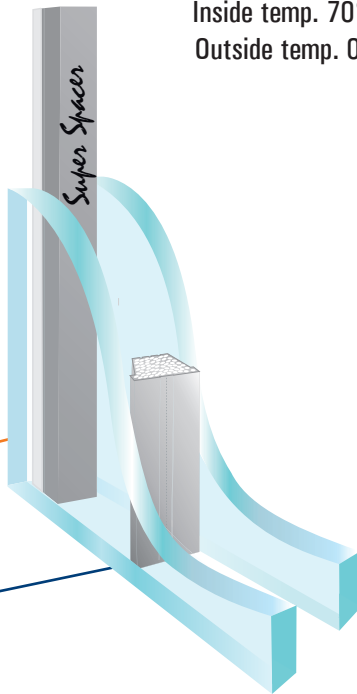
Mid-performance spacer systems that still contain metal do little to improve condensation resistance.

- “Super Spacer is the world’s leading 100% polymer foam, NO-Metal Spacing System.”
- Super Spacer is 950 times less conductive than aluminum spacers, 85 times less than stainless steel.
- Windows with Super Spacer result in improved energy savings and improved window performance.
- Windows with Super Spacer have dramatically more condensation resistance than windows with XL Edge.

Super Spacer® Comparison Up to 70% better.

As much as + 18.5°F warmer temperature at the edge of the glass.

Inside temp. 70°F
Outside temp. 0°F.



Super Spacer® is a registered trademark of Quanex Building Products. XL Edge™ is a trademark of Cardinal Glass.

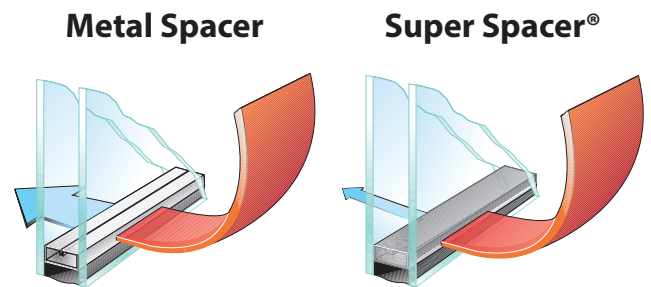
Simulations performed by Enermodal Engineering Ltd. using Window 5.2 and Therm 5.2 as per NFRC100-2001. Outside temperature 0° F, inside temperature 70° F. Low-e glass Cardinal Low-e² 272. Air spaces .500" wide, 90% argon fill. IGU's 24" x 48". The secondary butyl used with Intercept® was 0.035" thick. [EIG906W/EB 11-08/EIG10009W]

43.7°F/6.5°C
Super Spacer® sealed with butyl.

34.8°F/1.6°C
Cardinal XL Edge™

The Lowest Conductivity & IG U-factor Block heat from escaping through the glass edge

The all-foam formula of Super Spacer® is proven to be less conductive providing optimal thermal performance and the lowest U-Value in the industry. Reducing conductivity also reduces condensation.



Spacer System	Condensation Resistance	Edge of Glass Temperature	Effective Thermal Conductivity	Total IGU factor
Super Spacer® Structural Foam / butyl	44.9	43.7°F / 6.5°C	0.171 W/m·K	0.277
Cardinal XL Edge™	32.2	34.8°F / 1.56°C	0.459 W/m·K	0.293

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