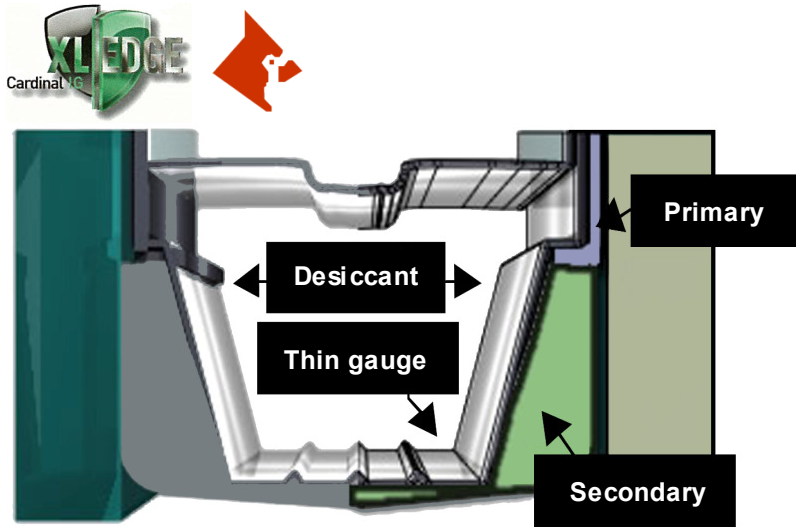


It All Starts With The Glass...

Minnkota Windows™ and Cardinal Glass Industries have teamed up to provide our customers the most reliable and energy efficient insulated glass system in the industry. The combination of Cardinal's LoE (low emissivity) glass and their patented XL Edge® spacer deliver peace of mind.



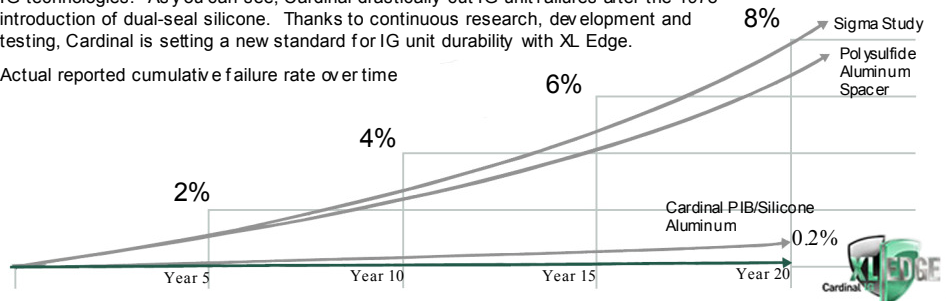
XL Edge is at the forefront, incorporating a stainless steel spacer with airtight bent corners and a dual-seal construction of compressed polyisobutylene (PIB) and silicone. Desiccants are contained in the spacer to eliminate any potential for moisture. Argon is filled inside the IG unit, improving window U-factor. Since XL Edge is a warm-edge IG, the possibility of indoor condensation is greatly reduced.

Cardinal's superior IG construction translates into a 0.2% seal failure rate over twenty years—clearly the lowest in the industry. Modern competitive spacer systems simply cannot match the long-term durability characteristics of XL Edge IG.

Failure Rates for Installed IG Units

This graph contrasts the failure rates of legacy Cardinal products and current Cardinal IG technologies. As you can see, Cardinal drastically cut IG unit failures after the 1978 introduction of dual-seal silicone. Thanks to continuous research, development and testing, Cardinal is setting a new standard for IG unit durability with XL Edge.

Actual reported cumulative failure rate over time



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