



Insulating Glass Systems - Residential

Warm-Edge Silicone Foam Features & Benefits

- Superior silicone foam insulation
- Low thermal conductivity
- Substantially reduced perimeter condensation
- Typical overall 0.2 W/m²K (0.04 Btu/h·ft²·°F) U-value window improvement
- Excellent UV resistance
- Extreme temperature performance
- Fast dew-point drop
- Superior compression-set resistance
- Excellent color stability
- Enhanced sound dampening

Edge-Seal Durability

- Continuous vapor barrier at corners
- No chemical fogging
- High desiccant content

Unique Tri-Seal Design

- Outer hot-melt butyl sealant for enhanced gas retention
- Inner structural acrylic side adhesive
- P.I.B. adhesive sealant as primary seal
- No cold flow or spacer/seal migration problems

Performance	Norm
Thermal conductivity 0.102 W/m ² K	ASTM C 518
Gas / Moisture vapor barrier WVTR < 0.020 gm/m ² /day Oxygen < 0.009 cc/m ² /day	ASTM F 1249 ASTM D 3985
Primary structural seal Acrylic adhesive	
Intermittent temperature range -40°C to 121°C / -40°F to 250°F	—
Verified secondary sealants Reference IG sealants Technical Bulletin RDQ0018	—
Fogging No fog in visual area	ASTM E 2190 EN 1279 - 6 CAN/CGSB 12.8
Gas Retention Pass with hot-melt butyl Or curative butyl	EN 1279 - 3
I.G. Durability Pass with hot-melt butyl Or curative butyl	ASTM E 2190 EN 1279 - 2