



## Insulating Glass Systems

## Super Spacer® T-Spacer™ Premium

Super Spacer® T-Spacer™ Premium is a flexible, silicone foam spacer designed to satisfy the toughest commercial and residential captured glazing demands. T-spacer is the base product for creating the unique triple seal design of Super Spacer TriSeal. It incorporates an inner acrylic adhesive seal for immediate unit handling.



### Basic Use

Super Spacer is a dual seal insulating glass spacer system that uses a high-performance acrylic adhesive for its structural seal and is backed with a proprietary multi-layer moisture vapor seal.

A polyisobutylene primary seal is required for enhanced gas retention and low moisture vapor transmission. Featuring a vapor barrier backing, the product must be used in combination with conventional IG sealants. For a list of verified sealants, please reference IG sealants Technical Bulletin RDQ0018, which is available on our website at [www.quanex.com](http://www.quanex.com) in the technical section. T-Spacer, polyisobutylene, and structural sealant are all customer-applied using automated equipment.

### Colors

Black, Aluminum, Grey and Almond.

### Composition

Silicone foam base with desiccant pre-fill.

### Desiccant Fill

3A molecular-sieve; 47% minimum by weight.

### Protective Packaging

To provide desiccant protection, the reels are sealed in moisture-proof foil bags. The reels are then shipped in recyclable cardboard boxes.

Performance	Norm
<b>Thermal conductivity</b> 0.130 W/m <sup>2</sup> K	ASTM C 518
<b>Gas / Moisture vapor barrier</b> WVTR: Below detectable limits Oxygen: Below detectable limits	ASTM F 1249 ASTM D 3985
<b>Primary structural seal</b> Acrylic adhesive	
<b>Intermittent temperature range</b> -40°C to 121°C / -40°F to 250°F	—
<b>Verified secondary sealants</b> Reference IG sealants Technical Bulletin RDQ0018	—
<b>Fogging</b> No fog in visual area.	ASTM E 2190 EN 1279 - 6 CAN/CGSB 12.8
<b>Gas Retention</b>	EN 1279 - 3
<b>I.G. Durability</b>	ASTM E 2190 EN 1279 - 2

### Warm-Edge Silicone Foam Features & Benefits

- Superior silicone foam insulation
- Low thermal conductivity
- Substantially reduced perimeter condensation
- Typical overall 0.2 W/m<sup>2</sup>K (0.04 BTU/h-ft<sup>2</sup>-°F) U-value window improvement (vs. aluminum)
- Excellent UV resistance
- Extreme temperature performance
- Fast dew-point drop
- Superior compression-set resistance
- Excellent color stability
- Enhanced sound dampening

### Edge-Seal Durability

- High performance multi-layer vapor barrier film
- Continuous vapor barrier at corners
- No chemical fogging
- Very high desiccant content
- Proven edge-seal technology
- Thermoset silicone durability

### Unique Triple-Seal Design

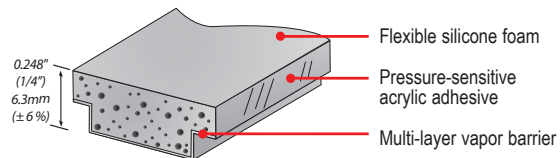
- Inner acrylic adhesive seal for immediate unit handling
- Customer applied polyisobutylene primary seal for enhanced gas retention and low moisture vapor transmission
- Outer secondary seal for proven performance

### Improved Productivity

- Fast spacer application
- Elimination of desiccant filling
- No corner key assembly
- No butyl extruding of frames
- Simplified production of shaped units
- High-volume production with reduced labor force

### Pleasing Aesthetic Appearance

- Smooth matte surface finish
- No surface blistering or bubbling
- Straight-line application with sharp 90° corners



### Reel Sizes

Width mm	Width inches	Meter/Reel	Feet/Reel	Final Corner Sealing Strip* Nominal Width	Final Corner Sealing Strip* Part Number	Final Corner Sealing Strip* pieces per bag
8.2 mm	.323"	884	2900	8 mm	002064	150
10.2 mm	.402"	731	2400	10 mm	002455	150
12.2 mm	.480"	610	2000	12 mm	002456	150
12.7 mm	.500"	549	1800	12 mm	002456	150
14.2 mm	.559"	526	1725	14 mm	002457	150
16.2 mm	.638"	457	1500	16 mm	002063	150
18.2 mm	.717"	389	1275	18 mm	002458	150
20.2 mm	.795"	366	1200	20 mm	002065	150
22.2 mm	.874"	335	1100	22 mm	002459	150

Note: Nominal sizes larger than 0.375" (3/8") have a tolerance of +/- 3% for the width (airspace) and +/- 6% for the height (thickness). For nominal sizes 0.375" (3/8") and lower the tolerance is +/- 0.010" on the width (airspace) and +/- 6% for the height (thickness).

Note: All metric dimension equivalent sizes are for reference only.

\*Based upon testing, for systems using secondary sealants other than hot melt butyl or curative butyl, sealing of final corner with PIB backed strips are mandatory for inert gas retention and resistance to moisture ingress.



Quanex warm-edge IG spacer systems are used by our customers to assemble ENERGY STAR® qualified windows and doors.



ISO 9001:2008 with design Certificate Registration 08.185.1

**Quanex IG Systems**  
 800 Cochran Avenue  
 Cambridge, OH 43759  
 T 800-233-4383  
 F 740-439-0121  
[www.quanex.com](http://www.quanex.com)