Super Spacer® T-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.

---

<table>
<thead>
<tr>
<th>Performance</th>
<th>Norm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thermal conductivity</strong></td>
<td>0.130 W/m°C</td>
</tr>
<tr>
<td><strong>Gas / Moisture vapor barrier</strong></td>
<td>WVTR: Below detectable limits</td>
</tr>
<tr>
<td></td>
<td>Oxygen: Below detectable limits</td>
</tr>
<tr>
<td><strong>Primary structural seal</strong></td>
<td>Acrylic adhesive</td>
</tr>
<tr>
<td><strong>Intermittent temperature range</strong></td>
<td>-40°C to 121°C / -40°F to 250°F</td>
</tr>
<tr>
<td><strong>Verified secondary sealants</strong></td>
<td>Reference IG sealants Technical Bulletin RDQ0018</td>
</tr>
<tr>
<td><strong>Fogging</strong></td>
<td>No fog in visual area.</td>
</tr>
<tr>
<td><strong>Gas Retention</strong></td>
<td>EN 1279 - 3</td>
</tr>
<tr>
<td><strong>I.G. Durability</strong></td>
<td>EN 1279 - 2</td>
</tr>
</tbody>
</table>

www.quanex.com
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 (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

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

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