

## Super Spacer® Premium Plus Enhanced

Super Spacer® Premium Plus is a flexible, silicone foam spacer that provides the maximum in perimeter insulation for sealed glazing units. Desiccant-filled with pre-applied side adhesive, the structural foam product significantly simplifies insulating glass (IG) production.



### 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.

Featuring a vapor barrier backing, the spacer must be used in combination with conventional IG sealants.

### Colors

Super Spacer Premium is available in Black, Aluminum, Grey and Almond.

### Composition

Silicone foam base with desiccant pre-fill.

### Desiccant Fill

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

### Continuous Packaged Length

For regular insulating glass production, Super Spacer Premium Plus is supplied on reels with the continuous packaged length varying depending on the spacer width.

### 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><br>0.127 W/m°K  | ASTM C 518                                  |
| <b>Gas / Moisture vapor barrier</b><br>WVTR < 0.020 gm/m <sup>2</sup> /day<br>Oxygen < 0.009 cc/m <sup>2</sup> /day | ASTM F 1249<br>ASTM D 3985                  |
| <b>Primary structural seal</b><br>Acrylic adhesive  |   |
| <b>Fogging</b><br>No fog in visual area.  | ASTM E 2190<br>EN 1279 - 6<br>CAN/CGSB 12.8 |
| <b>Gas Retention</b><br>Pass with hot-melt butyl<br>or curative butyl   | EN 1279 - 3                                 |
| <b>I.G. Durability</b><br>Pass with hot-melt butyl<br>or curative butyl   | ASTM E 2190<br>EN 1279 - 2                  |



building products

## Insulating Glass Systems

## Super Spacer® Premium Plus Enhanced

### 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

- Continuous vapor barrier at corners
- No chemical fogging
- High desiccant content
- Same spacer material and edge-seal technology as the proven Premium Plus product.

### Unique Dual-Seal Design

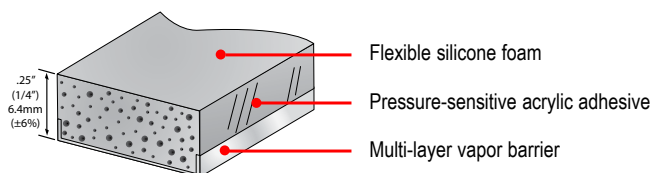
- Outer hot-melt butyl sealant for enhanced gas retention
- Inner structural acrylic side adhesive
- Immediate unit handling
- No cold flow or spacer/seal migration problems

### Improved Productivity

- Fast application
- Elimination of desiccant filling
- No corner key assembly
- Simplified production of shaped units
- Limited equipment investment
- High-volume production with reduced labor force

### Pleasing Aesthetic Appearance

- Black, Aluminum, Grey or Almond colors
- Smooth matte surface finish
- No surface blistering or bubbling
- Straight-line application with sharp 90° corners



### Reel Sizes

| Width<br>mm | Width<br>inches | Meter/<br>Reel | Feet/<br>Reel | Meter/<br>Auto<br>Reel | Feet/<br>Auto<br>Reel |
|-------------|-----------------|----------------|---------------|------------------------|-----------------------|
| 3.2 mm      | .125"           | 457            | 1500          | N/A                    | N/A                   |
| 4.8 mm      | .188"           | 457            | 1500          | 1372                   | 4500                  |
| 6.4 mm      | .250"           | 335            | 1100          | 1006                   | 3300                  |
| 7.9 mm      | .313"           | 305            | 1100          | 914                    | 3000                  |
| 9.5 mm      | .375"           | 274            | 900           | 823                    | 2700                  |
| 11.1 mm     | .438"           | 244            | 800           | 731                    | 2400                  |
| 12.7 mm     | .500"           | 213            | 700           | 640                    | 2100                  |
| 14.3 mm     | .563"           | 190            | 625           | 571                    | 1875                  |
| 15.9 mm     | .625"           | 175            | 575           | 526                    | 1725                  |
| 17.5 mm     | .688"           | 152            | 500           | N/A                    | N/A                   |
| 19.1 mm     | .750"           | 152            | 500           | 457                    | 1500                  |
| 20 mm*      | .787"           | 122            | 400           | N/A                    | N/A                   |

\* All even metric sizes are not available in North American market.

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.

Quanex's Quality Management System is certified to ISO 9001 by Smithers Quality Assessments

| Rev. # | Revisions Made  | Rev. Date |
|--------|---|-----------|
| 1      | Smithers mark removed per Ashton Rentsch, W/mK performance changed per Vince Warne, Energy star mark removed per Lori Postak. | 1/6/17    |

### Quanex IG Systems

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