



Insulating Glass Systems

Super Spacer® TriSeal™ Premium Plus is a flexible, silicone spacer designed to satisfy the toughest commercial glazing demands including silicone structural glazing (SSG). Its unique triple-seal design incorporates an inner acrylic adhesive seal for immediate unit handling.

Super Spacer® TriSeal™ Premium Plus



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.

Super Spacer TriSeal comes complete with a polyisobutylene primary seal for enhanced gas retention and low moisture vapor transmission. A customer-applied silicone seal provides proven structural performance. Polyurethane, polysulfide and hot melt butyl / DSE's are acceptable sealants for captured glazing applications.

Colors

Black, Grey, and Aluminum.

Composition

Silicone base with desiccant pre-fill and pre-applied PIB.

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
Thermal conductivity 0.141 W/m°K when used with PIB primary sealant	ASTM C 518
Gas / Moisture vapor barrier WVTR: Below detectable limits Oxygen: Below detectable limits	ASTM F 1249 ASTM D 3985
Primary structural seal Acrylic adhesive	
Fogging No fog in visual area.	ASTM E 2190 EN 1279 - 6 CAN/CGSB 12.8
Gas Retention	EN 1279 - 3
I.G. Durability	ASTM E 2190 EN 1279 - 2

Warm-Edge Silicone Features & Benefits

- Superior silicone 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
- Excellent 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

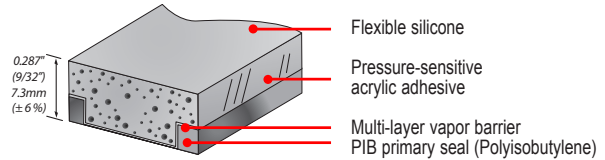
- Inner acrylic adhesive seal for immediate unit handling
- Customer applied polyisobutylene primary seal for enhanced gas retention and low moisture vapor transmission
- Outer secondary seal for proven performance

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"	244	800	8 mm	002064	150
9.5 mm	.375"	213	700	9 mm	003235	150
10.2 mm	.402"	198	650	10 mm	002455	150
11.1 mm	.438"	183	600	11 mm	003262	150
12.2 mm	.480"	168	550	12 mm	002456	150
12.7 mm	.500"	152	500	12 mm	002456	150
14.2 mm	.559"	145	475	14 mm	002457	150
14.3 mm	.563"	130	425	14 mm	002457	150
15.9 mm	.625"	137	450	15 mm	003236	150
16.2 mm	.638"	137	450	16 mm	002063	150
17.5 mm	.688"	137	450	17 mm	003263	150
18.2 mm	.717"	107	350	18 mm	002458	150
19.05 mm	.750"	107	350	19 mm	003264	150
20.2 mm	.795"	99	325	20 mm	002065	150
22.2 mm	.874"	91	300	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.

Additional Requirements Contact Quanex for:

- Shuttle - Part # E-10300000
- Reel Stand - Part # 001078

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

Rev. #	Revisions Made	Rev. Date
2	Removed minimum grams/metre preapplied PIB from Composition wording Per Johannes Von Wenserski	2/22/17

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