

Super Spacer[®] Standard is a flexible, organic foam spacer technology by Edgetech I.G. Inc, a Quanex Building Products business. Super Spacer provides excellent 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. For a list of verified sealants, please reference IG sealants Technical Bulletin RD0018, which is available on our website at www.superspacer.com in the technical section.

Colors

Super Spacer is available in Light Grey, Charcoal and Black.

Composition

Foam EPDM (Ethylene Propylene Diene Monomer) base with desiccant pre-fill.

Desiccant Fill

3A molecular-sieve; 40% minimum by weight.

Continuous Packaged Length

For regular insulating glass production, Super Spacer Standard 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
Thermal conductivity 0.127 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 85°C / -40°F to 185°F	—
Verified secondary sealants Reference IG sealants Technical Bulletin RD0018	—
Fogging No fog in visual area. Pass with hot-melt butyl or curative butyl	ASTM E 2190 EN 1279 - 6 CAN/CGSB 12.8
Gas Retention	EN 1279 - 3
I.G. Durability	ASTM E 2190 EN 1279 - 2



building products

Insulating Glass Systems

Super Spacer® Standard

Warm-Edge Organic Foam Features & Benefits

- Superior organic 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)
- Very good UV resistance
- Excellent high/low temperature performance
- Very good dew-point drop
- Very good compression-set resistance
- Enhanced sound dampening.

Edge-Seal Durability

- Continuous vapor barrier at corners
- No chemical fogging
- High desiccant capacity.

Reverse Dual-Seal Design

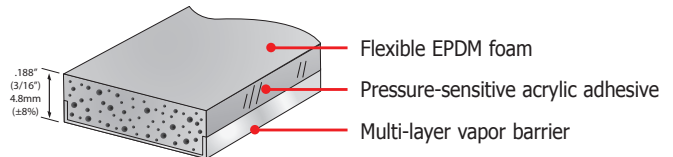
- Outer hot-melt butyl sealant for enhanced gas retention
- Inner structural acrylic side adhesive
- Immediate unit handling
- No cold flow or spacer/seal migration problems.

Improved Productivity

- Fast tape 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

- Standard charcoal grey color; good color stability
- 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	Meter/ Auto Reel	Feet/ Auto Reel
4.8 mm	0.188"	610	2000	N/A	N/A
6.0 mm	0.236"	460	1509	1380	4528
6.4 mm	0.250"	457	1500	1372	4500
7.9 mm	0.313"	335	1100	1006	3300
8.0 mm	0.315"	335	1099	1005	3297
9.5 mm	0.375"	305	1000	914	3000
10.0 mm	0.394"	305	1000	915	3002
11.1 mm	0.438"	274	900	823	2700
11.9 mm	0.468"	244	800	731	2400
12.0 mm	0.472"	245	804	735	2411
12.7 mm	0.500"	244	800	731	2400
14.0 mm	0.551"	215	705	645	2116
14.3 mm	0.563"	213	700	640	2100
15.9 mm	0.625"	206	675	617	2025
16.0 mm	0.630"	205	673	615	2018
17.5 mm	0.688"	183	600	549	1800
18.0 mm	0.709"	185	607	555	1821
19.1 mm	0.750"	175	575	526	1725
20 mm	0.787"	155	509	465	1525

Note: Tolerances for each nominal size are +/- 4% for the width (airspace) and +/- 8% for the height (thickness). All metric dimension equivalent sizes are for reference only.

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