



A Quanex Building Products Company

Super Spacer® TriSeal™ Premium Plus

Super Spacer® TriSeal™ Premium Plus is a flexible, silicone foam 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.



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™ Premium Plus 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.

Colours

Super Spacer® TriSeal™ Premium Plus is available in black and grey. Other colours are available on request.

Composition

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

Desiccant Fill

Molecular-sieve.

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 0.15 W/mK when used with PIB primary sealant	EN 12667 IFT WA17/1
Gas / Moisture vapor barrier WVTR: Below detectable limits Oxygen: Below detectable limits	ASTM F 1249 ASTM D 3985
Primary structural seal Acrylic adhesive	
Intermittent temperature range -40°C to +121°C	—
Fogging No fog in visual area.	ASTM E 2190 EN 1279 - 6 CAN/CGSB 12.8
Verified Secondary Selants Referenece Technical Bulletin RDQ0024	—
Gas Retention	EN 1279 - 3
I.G. Durability	ASTM E 2190 EN 1279 - 2
Compulsory national certification	CEKAL Avis Technique

Warm Edge Features & Benefits

- Superior silicone foam insulation
- Low thermal conductivity
- Substantially reduced perimeter condensation
- Typical overall 0.2 W/m²K U-value window improvement (vs. aluminum)
- Excellent UV resistance
- Extreme temperature performance
- Fast dew-point drop
- Superior compression-set resistance
- Excellent colour stability

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

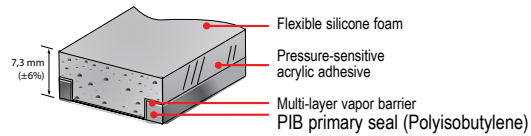
- Inner acrylic adhesive seal for immediate unit handling
- Customer applied polyisobutylene primary seal for enhanced gas retention and low moisture vapor transmission
- Outer secondary seal for proven performance

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)	Meter/Reel	Final Corner Sealing Strip* Nominal Width
6.0 mm	244	-
8.2 mm	244	8 mm
9.5 mm	213	8 mm
10.2 mm	198	10 mm
11.1 mm	183	10 mm
12.2 mm	168	12 mm
12.7 mm	152	12 mm
13.2 mm	152	12 mm
14.2 mm	145	14 mm
14.3 mm	130	14 mm
15.2 mm	140	14 mm
15.9 mm	137	16 mm
16.2 mm	137	16 mm
16.9 mm	137	16 mm
17.5 mm	137	16 mm
18.2 mm	107	18 mm
19.1 mm	107	18 mm
20.2 mm	99	20 mm
22.2 mm	91	22 mm
24.0 mm	76	-
25.7 mm	76	-
26.4 mm	76	-
27.2 mm	72	-
32.0 mm**	53	32 mm

Note: Nominal sizes larger than 9,5 mm have a tolerance of +/- 3% for the width (airspace) and +/- 6% for the height (thickness). For nominal sizes 9,5 mm and lower the tolerance is +/- 0,025 mm on the width (airspace) and +/- 6% for the height (thickness).

The information in this Product Data Sheets are as of 03/2020. Modifications may result from, i.e., further development of the products and the changes of standards. Only the latest English version of this Product Data Sheet applies, which is available by contacting info@edgetech-europe.com.

*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 ingression.

**Height 9.0 mm

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