

Super Spacer[®]

TRISEAL[™] & T-SPACER

Super Spacer[®] TriSeal[™] Premium 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.

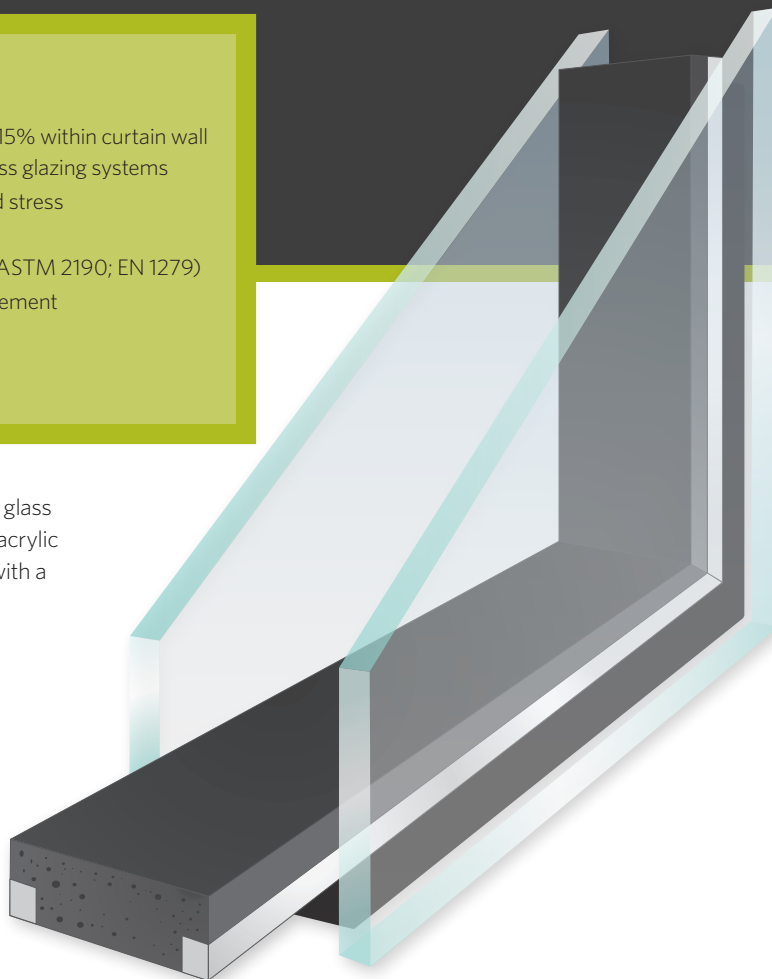
TriSeal Key Benefits

- Reduces energy consumption up to 15% within curtain wall glazing systems and up to 29% across glazing systems
- Dramatically reduces seal failure and stress crack callbacks
- Passes the toughest industry tests (ASTM 2190; EN 1279)
- Warmer sightline. Up to 8°C improvement
- Improves U Value by up to 12%
- Noise reduction by up to 2 dB

Super Spacer TriSeal Premium is an insulating glass spacer system that uses a high-performance acrylic adhesive for its structural seal and is backed with a proprietary multi-layer moisture vapour seal.

Compatible with:

- ✓ Hot Melt Butyl
- ✓ Polyurethane
- ✓ Polysulphide
- ✓ Silicone



APPLICATION OPTIONS

Achieve production of up to 800 sealed units per shift.

With its non-metal, flexible all-foam construction, creating glazing units with Super Spacer TriSeal and T-Spacer is simpler, faster and more streamlined.

These products don't need to be cut into bar length form and they don't need desiccating. This removes a significant amount of labour from the manufacturing process – and matches the cost of inferior performing spacer products such as aluminium.

We offer production with proven equipment choices selected from several leading manufacturers. Whatever your production levels and budget, we'll have a solution to suit.

TriSeal

Up to 250 units: Manual

Our manual system, SuperShop, will allow a three-man team to produce up to 250 units per eight hour shift, including manual glass wash, manual spacer application and manual perimeter sealing.

The SuperShop sealed unit production line comprises of an air floatation table, TriSeal reel feed, application shuttle and matching table for accurate Georgian and SDL bar placement.

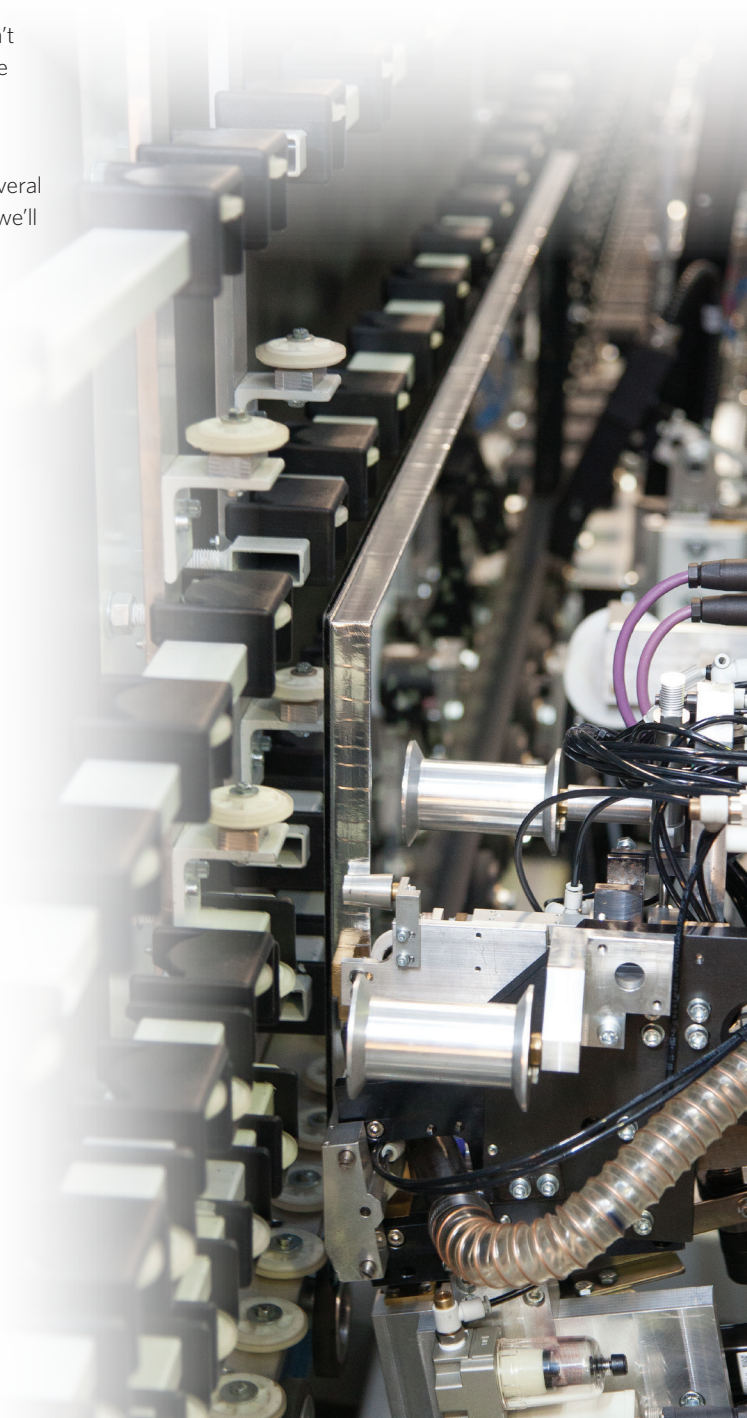
T-Spacer

Up to 800 units: Fully automated

T-Spacer is the full automation variant of TriSeal, which utilises 'just-in-time' on line PIB extrusion, to form the TriSeal at the point of IG application. A fully automated system allows a two or three man team to produce up to 800 units per eight hour shift including glass wash, automated robot spacer application, automated gas filling and automated perimeter sealing.

Automated applicators accurately produce shaped and angled units on line without slowing down the production cycle, saving time and cost.

Automated Georgian bar and divided light grid placement is also managed on line, cutting production time by up to 30% compared to traditional fixing methods.



Warm-Edge Silicone Foam Features & Benefits

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

Edge-Seal Durability

- High performance multi-layer vapour barrier film
- Continuous vapour 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 vapour 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 labour force

Pleasing Aesthetic Appearance

- Smooth matte surface finish
- No surface blistering or bubbling
- Straight-line application with sharp 90° corners

	Performance	Norm
Thermal conductivity	0.15 W/mK when used with PIB primary sealant	EN 10077:2 WA 17/1
Gas / Moisture vapour 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 /	N/A
Verified secondary sealants	Reference IG sealants Technical Bulletin RD0018	N/A
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

Spacer Cross-section

Flexible silicone foam

Pressure-sensitive acrylic adhesive

Multi-layer vapour barrier

Reel Sizes

Width (mm)	TriSeal Metre / Reel	T-Spacer Metre / Reel
8.2 mm	244	884
10.2 mm	198	732
12.2 mm	168	610
14.2 mm	145	526
16.2 mm	137	457
18.2 mm	107	389
20.2 mm	99	366

Note: Nominal sizes larger than 9.5mm have a tolerance of +/- 3% for the width (airspace) and +/- 6% for the height (thickness).

For nominal sizes 9.5mm and lower the tolerance is +/- 0.025mm on the width (airspace) and +/- 6% for the height (thickness).

Data is correct at time of going to print but is subject to change as further testing is undertaken.

Colours

Super Spacer T-Spacer and TriSeal is available in black.

Composition

Silicone foam base with desiccant pre-fill.

Desiccant Fill

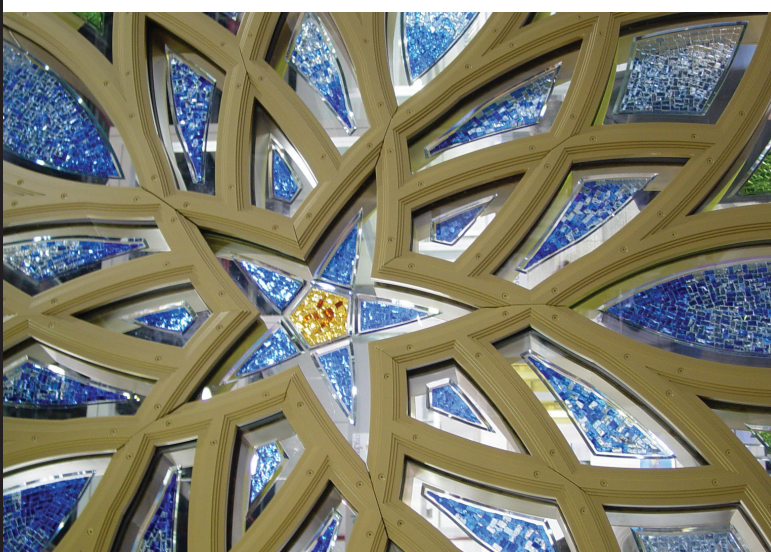
3A molecular-sieve; 47% minimum by weight.

Protective Packaging

To provide desiccant protection, the reels are sealed in moisture-proof foil bags. The reels are then shipped in recyclable cardboard boxes.

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