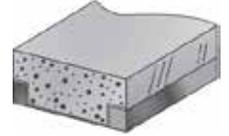


Insulating Glass Systems

I.G. Spacer Systems

Super Spacer® TriSeal™ and T-Spacer™

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 comes complete with polyisobutylene primary seal for enhanced gas retention and low moisture vapor transmission. Customer-applied silicone seal provides proven structural performance.



Super Spacer® Premium Plus and Premium

High-quality silicone foam spacer provides the maximum in perimeter insulation for sealed glazing units. Desiccant-filled with pre-applied side adhesive. Maintains excellent flexibility at low temperatures, has outstanding resistance to high heat and has a low compression set.



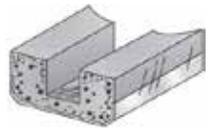
Super Spacer® Standard

Flexible, organic foam spacer provides excellent perimeter insulation for sealed glazing units. Desiccant-filled with pre-applied side adhesive, the structural foam spacer significantly simplifies insulating glass production.



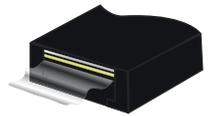
Super Spacer® Cushion Edge™

Flexible, U-shaped, silicone foam spacer used to manufacture triple insulating glass units. Desiccant-filled with both a preapplied side and channel adhesive, the structural foam spacer significantly simplifies triple glazed unit production.



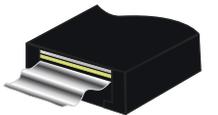
Duralite®

Flexible, warm-edge spacer featuring unique composite laminating technology, containing no metal, for superior thermal and durability performance in insulating glass units. Preassembled with a polycarbonate shim with air-filled chambers for better insulation, butyl sealant, three-sided continuous moisture barrier, and desiccated top-coat to create a high-performance durable single seal spacer system.



Duraseal®

Flexible, warm-edge spacer featuring unique composite laminating technology for superior thermal and durability performance in insulating glass units. Preassembled with a thin-gauge aluminum shim with air-filled chambers for better insulation, butyl sealant, three-sided continuous moisture barrier, and desiccated top-coat to create a high-performance durable single seal spacer system.



DecoSeal®

Flexible, warm-edge insulating glass spacer system offering all-in-one sealant and spacer application. Designed to accommodate and aid in the support of a center lite of glass or decorative panel, thereby reducing the assembly steps necessary in the fabrication process of triple glazing.



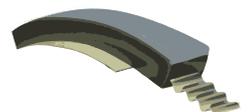
MicroSeal® DS

Flexible, 100% solids extrusion of quality thermoplastic compound used for manufacturing insulating glass units for including bent glass for both architectural use and product display cases. Available in 1/4" to 3/4" (6.3 mm to 19.1 mm) sizes, in 1/16" increments.



Edgetherm® FS

Flexible, 100% solids extrusion of quality thermoplastic compound plus a concentrated desiccant layer, which provides rapid dew point development. Inherent flexibility and versatility of all-in-one technology offer a variety of profiles designed for a variety of insulating glass unit applications.



Insulating Glass Systems

Components & Accessories

Edgetherm® 3000

Quanex's Edgetherm® hot-melt butyl insulating glass sealant is a one-component 100 percent solids system that requires no mixing and offers minimal waste, fast setting for quick handling of finished IG units, and outstanding adhesion to glass, vinyl, aluminum and other substrates typically used in IG fabrication.

Edgetherm® 3100

Quanex's Edgetherm® 3100 is a single-part, butyl rubber-based sealant that sets quickly from its molten state, allowing units to be moved from their assembly locations between two and five minutes after application and glazed the same day. A combination of high output and fast heat loss properties reduce the risk of corner defects for a complete seal around the unit.

Edgetherm® 3400

Quanex Edgetherm® 3400 is a hot-applied desiccant matrix for sealing the airspace of an IG unit, offering optimal absorption for both existing and invasive moisture. Designed for ease of application in a variety of equipment, Edgetherm 3400 will not transfer onto a gas-filling probe for cleaner and easier gas filling.

Edgetherm® 3500

Quanex's Edgetherm® 3500 is a single-part butyl-based sealant that sets quickly from its molten state, allowing units to be moved from their assembly locations between two and five minutes after application and glazed the same day. A combination of high output and fast heat loss properties reduce the risk of corner defects for a complete seal around the unit.

Edgetherm® PIB-H1

A high viscosity, high strength, 100% solids insulating glass sealant based on polyisobutylene polymer formulated to impart reinforcement, resist degradation from ultraviolet light, and provide low moisture permeability. Used as the primary seal on insulating glass units while providing the main moisture vapor seal between the glass and spacer. EdgeTherm PIB H-1 must be used with a secondary seal designed to provide structural strength.

Q-Glaze™ Siliconized Acrylic Latex

Q-Glaze™ Siliconized Acrylic Latex is a premium grade multipurpose siliconized acrylic latex sealant. Engineered to provide excellent adhesion to vinyl, aluminum, wood, sheet metal and most common building materials without the need for a primer. Ideal for use in the installation of windows and doors as well as interior sealing of cultured marble and tile. It cures rapidly to form a durable tight bond, making it easy for and preferred by installers.

Q-Glaze™ RTV Silicone

Q-Glaze™ RTV Silicone is a one-component, permanently flexible, room temperature vulcanizing, mildew-resistant silicone sealant. The product's tough chemical resistance makes it a worry-free solution for a wide range of applications including cultured marble, tile, glass, vinyl, aluminum and sheet metal without the need for a primer. Engineered to cure rapidly when exposed to atmospheric moisture, to form a durable tight bond that contractors and installers can depend on.

Q-Glaze™ Neutral Cure Silicone

Q-Glaze™ Neutral Cure Silicone is a one-component, non-sag, permanently flexible neutral cure silicone sealant. Engineered to deliver excellent adhesion to vinyl, glass, aluminum, wood, sheet metal and most common building materials- without the need of primer. The product's design is ideal for back bedding and glazing applications. It doesn't leave the odors associated with other silicones, making it more user-friendly.

Q-Glaze™ Advanced Polymer

Q-Glaze™ Advanced Polymer is a multi-purpose advanced polymer sealant. Its one component design ensures that it cures rapidly when exposed to atmospheric moisture to form a durable bond and can be applied in a wide range of temperature and weather conditions (-40° F to 140° F). Engineered to deliver aggressive adhesion with the most common construction substrates, while ensuring complete compatibility – even with rubberized asphalt flashing and other flexible plastic building materials. The product contains no solvents, very low volatile organic compounds and is offered in the industry's top 30+ colors.

Insulating Glass Systems

Components & Accessories cont'd

Q-Glaze™ Advanced Polymer Plus

Q-Glaze™ Advanced Polymer Plus is a high performance, permanently flexible, easy-to-use advanced polymer sealant that allows for ±50% joint movement. Cures rapidly when exposed to atmospheric moisture to form a durable bond and can be applied in a wide range of temperature and weather conditions (-40°F to 140°F.) Ideal for high performance applications that require accommodation for joint movement, such as fiber cement. Provides aggressive adhesion to common building substrates, and is compatible with SBS flashing. Has no solvents and very low levels of volatile organic compounds.

Q-Glaze™ Advanced New Construction

Q-Glaze™ Advanced Polymer New Construction is a multi-purpose advanced polymer sealant specifically designed for new construction. One-component design ensures that it cures rapidly when exposed to atmospheric moisture to form a durable bond and can be applied in a wide range of temperature and weather conditions (-40° F to 140° F). It is engineered to deliver aggressive adhesion with the most common construction substrates, even with rubberized asphalt flashing and other flexible plastic building materials. Q-Glaze Advanced Polymer New Construction contains no solvents and very low volatile organic compounds. The product is offered in white.

Q-Glaze™ Advanced Polymer Textured

Q-Glaze™ Advanced Polymer Textured is a textured, high-performance, one-component, permanently flexible advanced polymer sealant. Its advanced chemistry makes it ideal for a wide range of construction and industrial applications. Q-Glaze Advanced Polymer Textured cures quickly when exposed to atmospheric moisture across a wide range of temperatures. Its textured appearance makes it easy to blend into the surrounding surfaces. The product's aggressive adhesion to common construction substrates and compatibility with rubberized flashing makes it a logical choice for construction professionals.

Molecular Sieves

The 3A Siliporite® Molecular Sieve beads are synthetic zeolite of the type 3A crystalline structure, in sodium form, having an effective pore opening of 3 Angstrom and produced as an off-white bead. The 3A molecular sieves are used to remove water and prevent condensation within insulating glass units with metal spacers. The 3A/13X Siliporite® Molecular Sieve beads are synthetic zeolite of the type X and A crystalline structure, in sodium potassium form. The 3A/13X molecular sieve bead blend provides both removal of water and solvent residues after sealing glass units with solvent based sealants.

GridLoc™ End Clips

GridLoc end clips are polypropylene clips designed with positioning legs and a thin attachment lip. These two unique features allow for an easier repositioning of the muntin bar and a more secure retention of the bar within the insulating glass unit.



IntelliClip®

Offset grid end clips are designed for the installation of muntin grids to spacer bar. Many options and accessories available. Specially designed anchoring systems securely hold clips in place. Clips to fit most types of muntin bars with customized options available. New non-metal end pin alternatives are now available for the ultimate warm edge benefits!



Neoprene Setting Blocks

Setting blocks act as cushions and help support the glass. The neoprene material makes the blocks resilient, which allows the insulating glass unit to handle stressed conditions. Setting blocks with PSA are especially recommended for knock-on glazing application. Used to isolate and elevate the insulating glass unit from the sash. The neoprene compound has a higher durometer rating and can be used with silicone, and is resistant to oils.



Insulating Glass Systems

Equipment and Tools cont'd

GasGlass Laser

Sparklike Gasglass Laser is a new innovation that is based on laser technology (TDLAS) operating in 760nm range. Gassglass Laser measures oxygen, and therefore the result can be converted to argon and krypton just as well as xenon. Unlike any other IG gas fill analyzer, Gasglass Laser measures gas concentration on triple and double glazed units through coatings and laminations.



GasGlass V2

Gasglass technology for gas analyzing is a non-invasive method for measuring the argon or krypton fill level inside insulating glass (IG) units.



Inagas Gas-Filling Equipment

The Smartfill system is designed for high volume production of Argon gas filled units. The touch screens enable the operator to have complete control over the gas filling process. Quick and easy to use for greater productivity.



The lance body incorporates an LED light which goes green during filling, turns red on completion, and after 30 seconds will turn off. The fill process can be initiated by the operator using the push-button on the filling lance. Features include: Self calibration on start up; Oxygen Sensors; Variable overflow and dwell times; Unit Counter; Adjustable Audio Alarm; Operator "Help" Screens; Low Argon Gas Indication.

Application Equipment

A variety of application tables are available including: Air Float tables; Tilting Air Float/Grid tables; Suction tables; Caster tables; Swift Shop tables; Gunning tables; Assembly Easels, Conveyors, Butterfly tables, Washers, Mini Edge Press and Roller Presses to fit your needs for spacer application and IG unit manufacturing.



Liner Strippers

The Super Spacer Liner Stripper automatically strips the protective liner from one or both Super Spacer sides. The dual seal liner stripper is a simple yet durable device that eliminates time consuming paper removal. For specific instruction on setup and use, consult the Liner Stripper operator's manual.



Reel Stands

Reel stands with protective lids should be used for Super Spacer application. The lids protect the spacer from contamination and limit the adsorption of moisture. The stands are available with one, two or four reels. Dura platform reel stands ease loading and unloading of reels. Half drums are available to allow for protective storage.



Hand Tools

A variety of hand tools are available to aid in the manufacture of insulating glass units.

Radius Pro

Right or left handed, for Dura application



PRO Tool

Right or left handed, for Dura application



Shuttles

Pneumatically powered for Super Spacer application



Peak Tool (Step Tool)

For Dura application on castor tables



Duck Bills

For gas-filling IG units



The following items are also available (styles and colors may vary):

7 1/2" Multi-purpose Shears
7 3/4" Forged Thinning Shears

Gloves, sizes 6 - 10
Robo-pliers

Teflon Sealing Blocks
Gas-Filling Wands

For more information on products, contact your local Quanex Sales Representative at 800-233-4383 or visit us at www.Quanex.com.