

PREMIUM VINYL WINDOWS AND DOORS





Elements Windows

SECOND TO NONE?

Expertly manufactured by SoftLite Windows & Doors, the Elements line of premier vinyl replacement windows combines technology, engineering, and craftsmanship. Our world-class precision manufacturing makes Elements the highest-performing window in the industry.

Through intense research and testing, SoftLite's Elements line of windows far exceeds all industry standards for energy efficiency, air and water penetration, and durability.

When you purchase Elements windows, you not only help lower your energy bills but reduce your home's carbon footprint and support USA-made products.

Beyond profound efficiency, homeowners choose Elements windows because they are also secure and beautiful — enhancing your home's appearance and performance.



The Elements Difference

Elements windows boast the best air infiltration and U-Factor numbers in the industry, which translates into tremendous energy efficiency and durability. The following are just some of the features that truly make Elements stand out above the competition:

DURA-SILL™

This unique sill dam is mortised and welded into the jamb. It extends into the window frame with unique barriers and diversions to drastically reduce water buildup and provide supreme strength and seal — even under extreme wind-load stress.

COMFORT-FOAM® R5 INSULATION

Environmentally friendly foam fill in the frame and sash dramatically increases thermal efficiency to make your home more comfortable than typical R1 hollow frames.

K-BEAM™ MEETING RAIL REINFORCEMENT

Available on double-hung and slider windows, this Kevlar®-enhanced feature is stronger than steel and more than 700 times warmer than aluminum for durability and efficiency.

WARM-EDGE SUPER SPACER®

The only 100-percent foam, metal-free spacer is long-lasting, flexible, and resists stress, preventing heat from escaping and minimizing condensation. This durable spacer is up to 16° warmer than metal spacers and lasts 20 times longer than single-seal glass systems.

EXCLUSIVE DUAL-ACTION INVISIBLE TILT HARDWARE SYSTEM (ILTIS®)

Enables easy, one-touch, tilt-in operation with no unsightly surface-mounted tilt latches.

FUSED uPVC FRAMES AND SASHES

Our frames and sashes are made from the finest quality, long-lasting unplasticized material that never rots or corrodes and helps conserve energy. They will not separate and leak air or water.

ENDURA-FORCE™ BALANCE SYSTEM

This Teflon®-coated AAMA Class 3 stainless coil is 3/4" and outperforms the 1/2" of the competitors, making for quiet ease of operation. Perfect for triple-pane glass.

INNOVATIVE LIFETIME TRIPLE-FIN ULTRASMART™ WEATHERSTRIPPING

More than 600 inches of antimicrobial-protected weatherstripping on all sashes provides extreme protection against drafts and air-borne bacteria, pollen, and mold.

ELEGANT COVE MOULDING

Smooth corner seams, perfect welds, and a very tight tolerance of 1/32" give the detailed look of wood and help to reduce air leaks.



ELEMENTS WINDOWS ARE CERTIFIED TO MEET THE INDUSTRY BEST STANDARDS. NO WINDOW CAN COMPETE WITH ITS OVERALL PERFORMANCE.



ENERGY STAR®

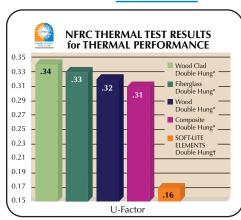
Every year since 2014, SoftLite has been named an ENERGY STAR Partner of the Year and has earned the Sustained Excellence Award since 2016. This honor comes from manufacturing highly energy-efficient windows that positively impact the comfort and energy costs of homeowners as well as the environment. ENERGY STAR partners make outstanding contributions to protecting the environment through superior energy achievements in production, sale, and adoption of energy-efficient products, services, and strategies. Our windows are also on the ENERGY STAR Most Efficient Products list.

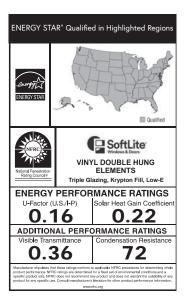
NATIONAL FENESTRATION RATING COUNCIL (NFRC) RATINGS

The NFRC is a third-party nonprofit that administers the only uniform, independent rating and labeling system for the energy performance of windows and doors. NFRC labels on windows are specific to the window's overall thermal performance. The following are the rating definitions:



- **U-Factor** The lower the number, the better the window's thermal performance.
- **Solar Heat Gain Coefficient** How well products block heat caused by sunlight. The lower the number, the less solar heat is transmitted through the window.
- **Visible Transmittance** How much light comes through the window higher numbers are best.
- **Condensation Resistance** How well the window resists condensation on glass. Again, a high number is better.







UNDERSTANDING AIR INFILTRATION

Air infiltration is a huge differentiator when it comes to the quality of windows. Windows leak air due to poor design and the absence of airlocks, weatherstripping, and barriers that keep air from forcing its way into your home between the sash meeting rails and perimeter. Without these features, air pushes between the sash meeting rails and around the sash perimeter where it meets the frame and sill.

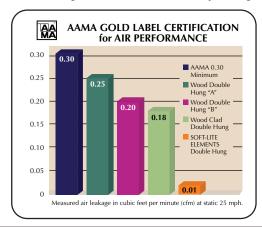
To ensure your comfort, we loaded the Elements windows with air and water barriers that far exceed the industry standard and other manufacturer's window designs. These windows leak only a fraction of typical windows leak.

AAMA* CERTIFICATION

The Fenestration and Glazing Industry Alliance's AAMA



Certification provides manufacturers with means to demonstrate product performance. The prestigious AAMA Gold label shows that products meet stringent performance standards by passing independent laboratory tests and follow-up on-site inspections. This is widely accepted as an indication of product quality.



AAMA PERFORMANCE RATINGS

AAMA Criteria	Industry Minimum	SoftLite Elements	RESULTS	
AIR	.30	0.01	30x better	
WATER	33 mph	56 mph	70% better	
STRUCTURAL LOAD	94 mph	203 mph (DP70)	>200% better	

*AAMA merged with IGMA into one organization -FGIA - Fenestration and Glazing Industry Alliance

AIR INFILTRATION COMPARISON CHART

INDUSTRY STANDARD

.30 CFM

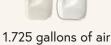
of air leakage per minute



2.25 gallons of air per minute

Traditional wood residential double-hung windows (Pella/Marvin/Jeld-Wen/Andersen)

.23 CFM



per minute

of air leakage per minute

Traditional vinyl residential high-performance double-hung windows (Alside/Simonton/Champion)

.15 CFM

of air leakage per minute



1.125 gallons of air per minute



.01 CFM

of air leakage per minute



0.075 gallons of air per minute



SoftLite's technologically advanced insulated glass packages offer a choice of insulation performance that can be tailored to your geographic location and directional sun exposure. This ability to fine-tune your windows' performance assures maximum energy savings, resistance to condensation, and directly impacts your thermal efficiency, noise reduction, and to fade protection. All Elements windows feature the warm-edge SuperSpacer.

	LOW-E GLASS Double-pane w/argon fill	SOLAR LOW-E GLASS Double-pane w/Low-E & argon (Southern)	ULTRA-S GLASS Triple-pane w/Low-E & argon (Northern)	SOLAR ULTRA-S GLASS Triple-pane w/Low-E & argon (Southern)	ULTIMATE GLASS Triple-pane w/Low-E & krypton (Northern)	SOLAR ULTIMATE GLASS Triple-pane w/Low-E & krypton (Southern)
	High-performance low-e coaling Clear glass Argon fill Super Spacer®	SB70XL® coating Clear glass Argon fill Super Space	High-performance fore coatings Clear glass Argon fill Super Spacer	SB70XL® coating High-performance low-e coating Clear glass Argon fill Super Spacer®	High-performance fower coalings Clear glass Krypton fill Super Spacer®	SB70XL® coating High-performance low-e coating Clear glass Krypton fill Super Space®
Overall IGU thickness	7/8"	7/8"	1"	1"	1"	1"
U-Factor	0.26	0.26	0.19	0.19	0.16	0.16
SHGC	0.26	0.20	0.22	0.18	0.22	0.18
Visible Transmittance	0.48	0.46	0.36	0.34	0.36	0.34
Condensation Resistance	58	58	70	70	72	72
ENERGY STAR qualified ENERGY STAR PARTNER	North and North Central zones. Upgrade of Solar Low-E to qualify in South and South Central zones	All climate zones	All climate zones	All climate zones	All climate zones	All climate zones

The following energy-efficient options feature Super Spacer and are ENERGY STAR qualified. NFRC window labels refer to whole-window performance, not just the insulated glass unit.

LOW-E GLASS*



* Qualifies

in North and

North Central, zones.

Upgrade of

Solar Low-E to

qualify in South and South

■ SoftLite VINYL DOUBLE HUNG **ELEMENTS** Double Glazing, Argon Fill, Low-E

ENERGY PERFORMANCE RATINGS U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.26

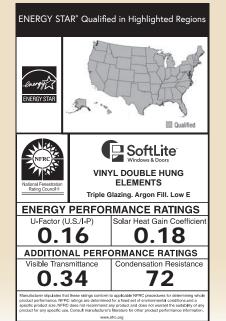
ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance 0.48

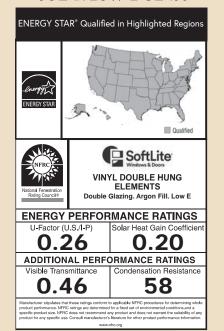
Condensation Resistance 58

Central zones.

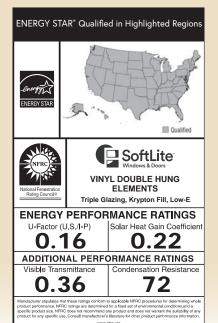
SOLAR ULTRA-S GLASS



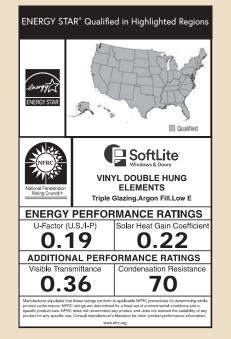
SOLAR LOW-E GLASS



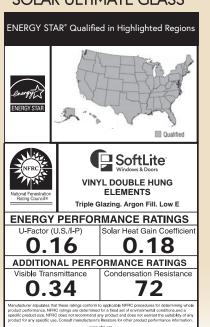
ULTIMATE GLASS



ULTRA-S GLASS



SOLAR ULTIMATE GLASS



Best in Class

SUPER SPACER®

This revolutionary TrueWARM® spacer system outperforms all others. The world's only 100 percent foam sealing system blocks heat and provides one of the best thermal performance in the industry. Unlike metal spacers, this system is flexible and resists the stress from seasonal weather changes. The less metal there is, the lower the U-Factor, and the more energy you save.

The Super Spacer boasts a proprietary multi-layer vapor barrier and structural adhesive combined with a perimeter-edge sealant for dual-seal durability. This feature separates the glass and drastically reduces the transfer of cold conduction through the glass unit.

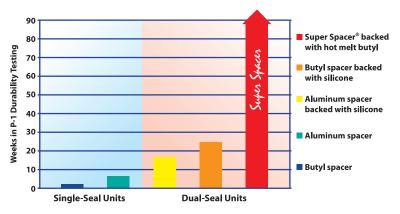




Full-metal spacer

Metal-free SuperSpacer

- This warm edge works to minimize condensation and allow for comfortable household humidity levels. Condensation is unsightly and can lead to stained wood, peeling paint, rotted frames, mold growth.
- The P-1 durability test shows the dramatic difference Super Spacer makes to the longevity of your insulated glass system. The P-1 is the world's toughest durability test, exposing units to 140°, 95-100% humidity and constant UV bombardments. Each week of testing equals one year of actual field use.



Up to 16.6° warmer temperatures at the edge of the glass compared to metal spacers

20 times the life expectancy of single-seal insulating glass systems

LIFETIME WARRANTY

The Elements industry-leading Lifetime Warranty protects both your investment and our reputation. SoftLite guarantees its windows will not rot, rust, warp, pit, corrode, or blister. Additionally, our colors will remain true for the life of your home. This warranty is non-prorated and is fully transferable. We also warranty all moving parts and hermetically insulated seal against defects in materials or workmanship. We also offer the ultimate protection with a lifetime glass breakage rider for extra peace of mind.

BETTERVUE® SCREENS



These high-definition fiberglass screens are standard on Elements. BetterVue screens preserve optical clarity by shedding water and resisting

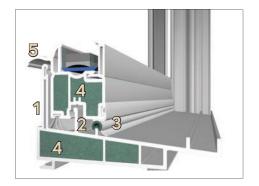
dirt for a clearer outward view, improve light transmittance, provide greater airflow, and increase insect protection. The extruded frames will never hourglass, which keeps the screens taut. In addition, these screens

lock for increased security.

Casements feature hidden retention hardware to eliminate unattractive screen clips.

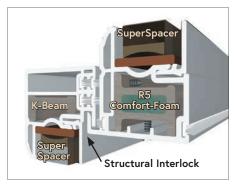


<u>Durability</u>



Purchasing
a window
without
insulation
is like
buying a
refrigerator
without
insulation







DURA-SILL — ONE-OF-A-KIND SILL DESIGN

- 1) The double-walled sill dam extends into the window jamb for unmatched strength and seal, nearly eliminating water buildup.
- 2) Our structural interlocking sill-sash rail keeps the sash in place against the weatherstrip under extreme wind-load stress.
- 3) A Q-Lon® polyurethane foam compression gasket and rail system straddles the sill rails when the sash is locked to add barriers and diversions for impressive air and water resistance.
- **4)** Environmentally friendly Comfort Foam insulation fills cavities of the sash and sill extrusion for increased thermal efficiency, lower emissions, and better conservation.
- 5) Integral lift rails are part of the profile not in the glazing bead, which can work loose over time or pop out like other lift rails.

This system combines the sash, interlocks, airlocks, water barriers, weatherstripping, and diversions to maximize energy efficiency.

TEFLON°-COATED ENDURA-FORCE™ BALANCE SYSTEM

This innovative feature ensures quiet, maintenance-free, smooth operation for the lifetime of your windows. This heavy-duty constant force balance system uses a 3/4" steel band that is much stronger than the standard 1/2" block and tackle system. Endura-Force provides excellent support for heavier triple-pane sashes, and the thermally engineered housing further improves thermal value.

K-BEAM™ COMPOSITE SASH KEEPER RAIL

Elements double-hung and slider windows are reinforced with K-Beam — a unique composite material that incorporates Kevlar® fibers for additional strength and durability, low thermal conductivity, and extra energy efficiency. This material is stronger than aluminum or steel and is 700 times warmer than aluminum!



SECURE LOCKS

Double-hung and slider windows come with two dual-action, low-profile locks that provide a clean sight line and pass the stringent AAMA Gold Forced Entry Resistance certification for structural integrity, safety, and security.

Casement locks include low-profile, corrosion- resistant steel and nylon locking rollers that engage sash keepers to ensure a positive, secure, weather-tight seal. Multipoint locks engage with matching sash keepers with a single-lever.

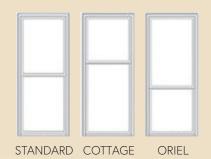
Our revolutionary hooded keepers absorb impact, distribute the load, and protect the glazing leg of the keeper sash rail.

Easy-to-use, low-profile vent latches limit how far the sashes open. Windows can still be vented but limited to help prevent entry.

Additionally, the Elements BetterVue screens feature locks.



Double-hung windows are the most popular style of windows and feature two moving sashes with integral lift rails that are sturdy and easy to use. The encapsulated tilt latch hardware enables one-touch operation and allows for easy cleaning. Our Endura-Force balancers ensure smooth movement that never needs adjusting. The unique design of the hooded keeper provides a sleek look and allows for easy maintenance and adjustments. Available in standard, cottage, or oriel styles.









Vent latches are simply deployed and limit sash travel.



Both sashes open and tilt in for easy ventilation and cleaning

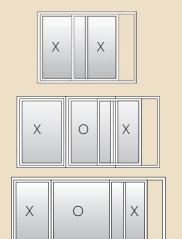


Endura-Force 3/4" Tefloncoated, stainless steel balancer features a thermally engineered housing for increased energy efficiency and provides quiet, effortless operation



Tight, mortised-cut, double-wall sill dam extends inside the jamb, eliminating the need to caulk an open seam.

Slider windows are basically a double-hung windows on the side and without the balancers. This style slides horizontally from side to side and offers an unobstructed view and a selection of operating choices. Ideal for smaller spaces or difficult-to-reach windows.



Available in 2-lite and 3-lite sliders.
"X" designates operating
lites and "O" designates fixed lites.



Sliders

Each Elements window (except casements) features 600" of weatherstripping on the sashes and interlocking meeting rails with built-in Ultra-Fresh antimicrobial protection to minimize drafts, dust, and pollen and fight the growth of mold and bacteria.

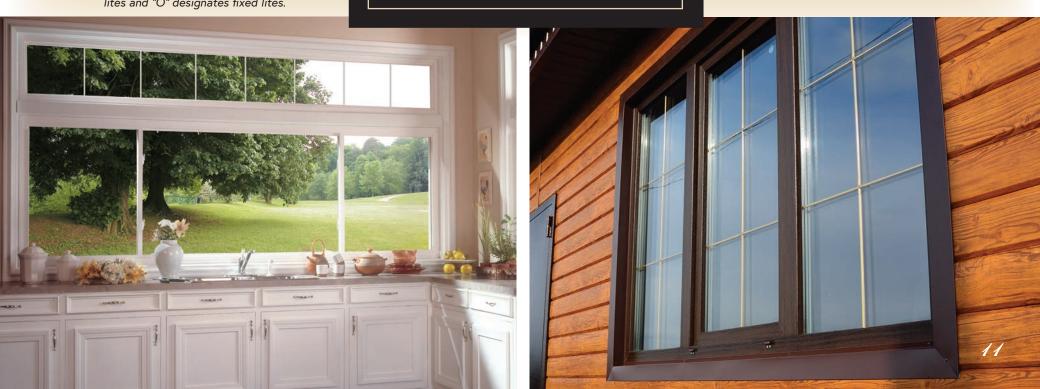


All slider sashes roll on corrosion-resistant brass rollers that provide smooth, effortless operation to easily glide to open and close.



Low-profile lock and keeper provide a clean sightline through the window on sliders.















AWNING HOPPER

Form and function. Order this versatile style individually or as part of a bay or bow. Designed with the clean lines of a picture window, it offers the added ventilation and freedom of opening the sash to the outdoors.

The single-lever fold-down lock handle engages easily and has multiple lock points for security. The durable cranks and hardware ensure effortless operation. Plus, these windows open a full 90 degrees for easy cleaning. Elements casement windows are AAMA Gold Label certified and boast the best NFRC-rated U-Factor in the industry. Egress hardware is optional. Available in 2-, 3-, and 4-lites.

Awning windows are hinged at the top and crank outward to open. Hopper windows hinge at the bottom and pull inward to open. Awnings can be mulled horizontally or vertically.

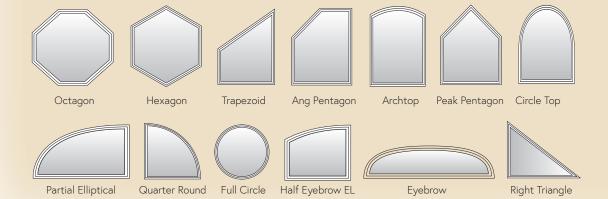








Shapes and Pictures





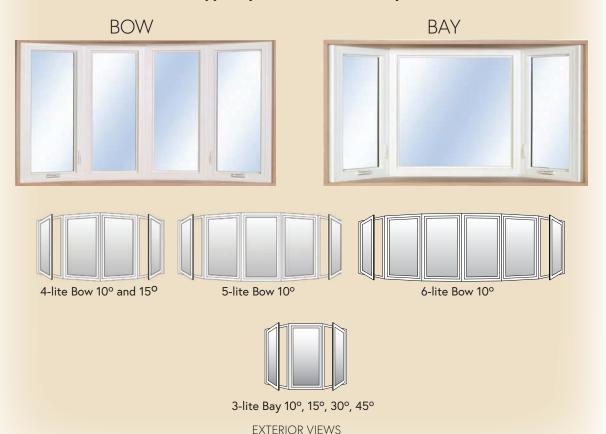
For special openings and accents, we offer a variety of **shapes** with matching frame profiles and glass options. All special shapes are custom-built to your specifications. The illustrations to the left are is just a sampling of the available types. *Shapes are available in casements or picture windows, depending on the type of shape.*

Picture windows are large, fixed-lite (non-operational*) windows designed to give you a clear view of your surroundings without any obstructions. *Available in most shapes and sizes*.

^{*} Certain-sized octagons may be operational

Open up your living space by adding top-of-the-line 3-D depth and light that provides improved energy efficiency, maintenance-free durability, and increased ventilation. **Bow** windows appear more rounded as they are comprised of windows at a 10° , 15° , 30° , or 45° angles. **Bay** windows are window combinations that extend outward from the home at either 30° or 45° angles. We offer several features that other manufacturers charge for or omit:

- 1¼" thick furniture-grade laminated hardwood seat, head, and side jambs
- R-9 Super-Seat with high-density material to ward off condensation and energy loss
- Steel-reinforced, Comfort-Foam-filled mullions and frames
- Available in picture, double-hung, and casement models
- Plus, we pay special attention to prevent windows from snagging over time, such as a turnbuckle and chain support system to ensure stability

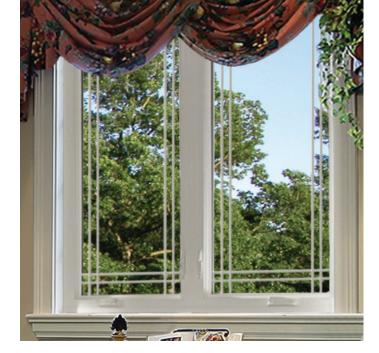












DECORATIVE GRIDS

We offer grids in all interior and exterior colors to color match your home. Choose from countless configurations. Ask your dealer representative for types and availability.





Flat and contour grids are between the airspace and are entirely dust-free. Available in wide or thin width. Some grid styles are only available with flat grids. Pencil grids also available.



Simulated divided lite (SDL) grids provide the look of separate panes of glass set into the grid. Ideal for historic homes.



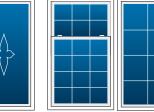




Sunburst



Florentine



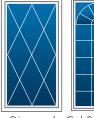
Colonial



Prairie



Dbl Prairie



Diamond Col Sunburst

HARDWARE FINISH CHOICES

We offer a selection of quality handles and locks in a variety of finished to suit your preferences. Our standard recessed lock provides a sleek, low-profile appearance that offers enhanced beauty, exceptional strength, and security. The casement lock folds flat.



WHITE



^ Double-hung < Casement



BEIGE



^ Double-hung < Casement



PONTIAC GOLD



^ Double-hung < Casement



BRUSHED NICKEL



^ Double-hung

< Casement

BRUSHED NICKEL HARDWARE IS STANDARD WITH BLACK LAMINATE



OIL-RUBBED BRONZE



^ Double-hung < Casement

COLORS

We have the colors to complement any decor. Choose from a wide variety of interior or exterior color options. With SoftLite's Sure-Coat custom colormatching system, a truly color-matched house is now a reality. The possibilities are endless. *Please see your dealer representative for precise color representations.*

INTERIOR CHOICES

Vinyl

Soft-White Beige

The beautiful satin finish of Soft-White vinyl is preferred over standard white windows.

Wood Grains









EXTERIOR CHOICES

Vinyl

Soft-White

Sure-Coat™ PVC Bond Colors

Coastal

Almond 20

10

Colonial Ivory 32

Delta-F Exterior Foil Laminate

Beige



This reflective laminate exceeds Sure-Coat in longevity.

Delta-E Exterior/ Interior Foil Laminate



Black laminate is only available with interior black laminate and vice versa.

Dune 08

Champagne

Sandstone 37

Gray 39

Nedgewood Blue 93

Sierra 83

Black 09

Terratone

Bronze 21







Custom colors are available for a small fee. Sure-Coat is warrantied for 10 years.

+ Black laminate is only available as a combination - interior and exterior Bays and bows are not available in black laminate



FLEXSCREEN®

Optional FlexScreen is a cutting-edge, PVC-coated, high-performance spring steel frame that hides in the window screen pocket, appearing invisible and improving sightlines. Optional on select double-hungs and sliders. Standard on with exterior bond colors.



OBSCURE GLASS

Our obscure glass provides privacy while illuminating your room. Tinted and leaded glass designs are also available.





STANDARD

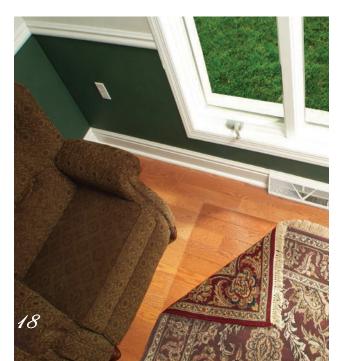
GLUE CHIP

The Ultimate Pairing of Function and Beauty

The benefits of furnishing your house with Elements windows are endless. Fade protection, noise reduction, ease of cleaning, security, and the peace of mind knowing that your investment is made in the USA by SoftLite, a manufacturer with more than 80 years of experience.

FADE PROTECTION

Solar Ultra Glass provides fade protection for all of your home furnishings and artwork. UV light is responsible for up to 40 percent of fading damage. Protecting your items with SB70XL blocks 94 percent of all harmful ultraviolet light.





NOISE REDUCTION

Sound, like air, always takes the path of least resistance. Noise travels via air and materials. A tight-fitting window frame manufactured to significantly reduce air infiltration will also help to deaden sound, which makes the Elements windows an ideal choice with its high-quality weather-stripping and quality locks and latches. Other items to keep in mind for noise reduction:

 Number of panes – double-pane windows will help reduce the amount of noise better than single-paned windows, and triple-pane windows are even more effective. Sound waves are absorbed, reflected, or minimized with each pane of glass.

- Laminated glass the window's sound transmission is reduced further when you choose laminated glass as it helps to dampen the sound.
- Proper installation this important step helps ensure airtight seals as well as works to reduce noise. Elements installers are trained Installation Masters[™], so you know they are installed correctly by experts.

Enjoy the sounds of nature when you effortlessly open your beautiful windows but relish the quieter environment when your Elements windows are closed.

Not Ujour Traditional Windows

EASE OF CLEANING

Elements windows are virtually maintenance-free and a breeze to clean. Just wipe frames and sashes with a soft cloth or soft-bristled brush.

- Our double-hung windows easily tilt in to easily clean inside and out.
- to 90° so homeowners can reach between the sash and the frame to clean both inside and outside of the sash.
- The sashes on slider windows lift out for easy accessibility to both sides.



SECURITY

Rest easy knowing our intruder-resistant Elements windows meet all forced-entry standards established by the American Society for Testing and Materials Specification F588-97 to ensure maximum break-in resistance. Our superior frames, locks, and

hardware have a unique process for bonding the glass to the frame. We are the only window sponsor of the National Crime Prevention Council.

ABOUT SOFTLITE

SoftLite began manufacturing Elements windows to build a window for a whole new generation. The company wanted to offer the highest-performing, most attractive replacement windows on the market. SoftLite completely re-designed the ultimate window as no conventional window designs met its demanding criteria, which still holds true today.

When manufacturing Elements windows, we utilize technological advancement to develop the most energy-efficient and durable products available. Our precision machine processing helps

to minimize risk and maximize quality. It is this quality and attention to detail that has earned SoftLite numerous awards over the years, including *Window & Door Magazine's* Top 100 Manufacturers and Crystal Achievement awards.







Unsurpassed overall performance. Unparalleled quality. Unequaled beauty. Undeniably ... the best!

Congratulations. You are working with a dealer deemed one of the best in the business. We hold our exclusive Elements dealers to the same standards as our windows. Each authorized Elements dealer is selected based on stringent criteria and exacting standards such as integrity, product knowledge, professional installation, and stellar customer service. In addition, our partners have impeccable reputations and impressive showrooms. All Elements window installers are certified Installation Masters® craftsmen, having passed an intensive training program.



Authorized Dealer