

SoftLite[®] Pro[™] Window



 SoftLite[®]
Windows
Bringing quality to light.

Windows for a Lifetime



Soft-Lite has been manufacturing window products since 1934. For decades, the company has focused on producing energy-efficient windows that incorporate all the latest technologies.

Soft-Lite has also innovated many new features based on customer need or request. It was one of the first companies to offer interior woodgrain finishes and an unlimited number of exterior vinyl colors. Today the company is a leader in the vinyl replacement window industry.



Soft-Lite
Pro™

PRO™ PROVIDES DURABILITY AND ENERGY EFFICIENCY

The Soft-Lite Pro™ window is a time-tested, thermally efficient design. It has proven to be very effective at increasing energy efficiency and significantly cutting down on air infiltration.



Aesthetically pleasing, airtight fusion weld is featured on both the sash and mainframe.



Metal reinforcement prevents meeting rails from warping and improves durability.



Tight mortise-cut, double-wall sill dam extends inside the jamb for better protection against air and water infiltration.

DURA-SILL™ BARRIERS & DIVERSIONS™



Dura-Sill™ is the most unique window sill design in the industry.

A. Structural interlock in the bottom sash minimizes air infiltration.

B. Soft-Seal™—Q-Lon® Neoprene cushion-gasket beneath the sash straddles the raised sill rail when locked, providing a tight seal to reduce air and water infiltration.



C. Comfort Foam™ insulated windows are 500% more thermally efficient than non-insulated windows. An added benefit of insulated windows is the reduction in outside noise.

PRO™ WILL GIVE YOU PEACE OF MIND!



1. Superior Design: One-piece telescoping sloped sill creates strong bond between sill and jamb for maximum weather protection.

2. Superior Engineering: Triple Interlocking Systems. Top and bottom sash lock into sill frame. Meeting rails interlock to create a weather barrier and add structural integrity.

3. Multi-chambered frames with heavy-gauge vinyl walls provide superior strength and increased thermal efficiency.

4. Insulated glass saves energy year round and reduces outside noise. Pro comes standard with dual pane, double-strength insulated glass with argon gas and Super Spacer®.

5. Spacer System: For optimal reduction of heat and cold transfer around the glass perimeter, Pro uses TrueWARM® Super Spacer which is 11 degrees warmer than Intercept® and 16 degrees warmer than aluminum.

6. With our innovative Certa-Force™ System, your windows will always provide the easiest lift action possible. Our system is corrosion proof, never needs lubrication, and comes with a lifetime warranty.*

7. Full beveled head for a consistent look around the top and sides of the window.*

* Feature not visible in photo.



Superior manufacturing with industry-leading tolerances of 1/32" from our computer-controlled, new-generation robotic equipment.

Pro Windows use Soft-Lite® lead-free, virgin 70 mil thick uPVC vinyl. This superior quality, maintenance-free vinyl is 40% stronger than other vinyl.

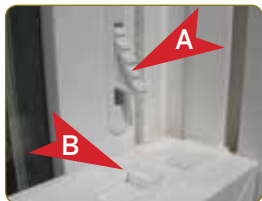


Get The Best With Optional R-5 Windows

The insulated Pro™ window with the Ultimate Glass™ system, shown at right, is rated at R-5. According to the Department of Energy, "Common ENERGY STAR® windows only have an R-Value of 3. Increasing the R-value from 3 to 5 reduces average heat loss through the windows by 40% and saves consumers money on energy bills." Windows in the U.S. account for 30% loss of a building's heating and cooling energy, representing an annual impact on peak energy demand and on occupant comfort. Pro windows offer several optional triple-pane, insulated glass systems as an upgrade.



Delta heavy-duty lock secures sashes and gives maximum weather protection.



A. Heavy-duty vent lock allows window to remain partially open.

B. Low-profile tilt latches are easy to use.



Screen latch locks screen in place.



Slider in 1/4-1/2-1/4 configuration

WINDOWS AND DOORS IN EVERY STYLE

Pro™ offers every imaginable American style—from breeze-catching casements to traditional double-hungs to panoramic picture windows and much more! You can select the style that looks perfect in your home and best meets your needs.

CASEMENTS

The Pro Casement window provides industry-leading AAMA® Gold Label Certified performance and some of the best NFRC Rated U-Factors in the window business.

Air: 0.05 CFM at 25 MPH

Water: DP50, 54 MPH at 8 inches rain per hour

Design Pressure: DP40, 153 MPH wind load

Thermal NFRC Tested: 0.17 U-Factor with Ultimate Glass™



Energy-Efficient Casements with Grids



Five-Lite Bow with Casement End Vents



Bay Window with Casement Side Vents



Garden Window with Trapezoid Casements



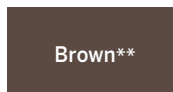
Sliding Patio Door with Grids and Sidelites

COLOR AND WOODGRAIN OPTIONS

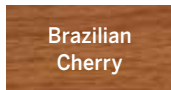
One of the greatest benefits of choosing our Soft-Lite® windows is their decorative choices for customization. Your new Soft-Lite Pro™ windows will not only keep you comfortable with excellent energy-efficient characteristics, they will also keep you smiling with all their color choices and grid options.

Available in 14 Sure-Coat™ exterior colors, our color-matching system also allows us to custom match any color you choose. For a small fee, we send your color sample to our world-class color supplier for a perfect match. Sure-Coat is warranted for 10 years.

Standard Interior/Exterior Vinyl Colors



Interior Woodgrain Colors*

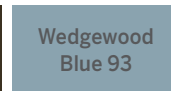
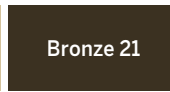
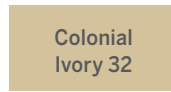
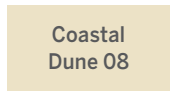
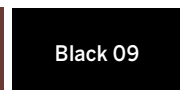
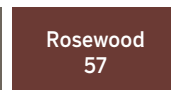
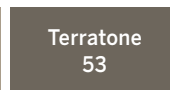
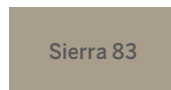
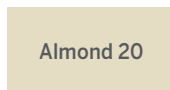
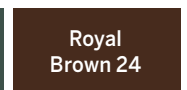
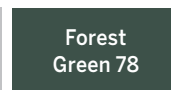
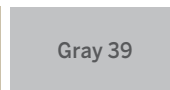
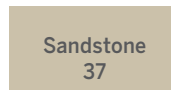
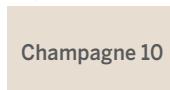


*Garden windows not available in Beige or woodgrains. Woodgrains only available in Soft-White or Beige vinyl.

**Brown is AAMA Silver Label Rated



Exterior PVC Bond Colors



Actual color samples may vary from brochure. See your Soft-Lite Representative for more precise color representations. All exterior colors should be viewed in outside daylight.

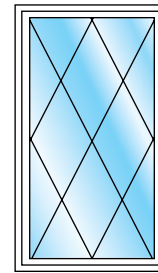
GRID PATTERNS

Grids are available in colors to match your windows. All contour and flat grids are contained within the insulated glass. The grids stay dirt-free for a lifetime, and the outside glass remains easy to clean.

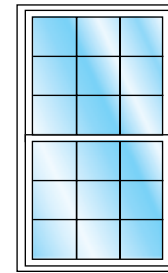
Contour Grids



Flat Grids



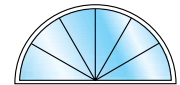
Diamond (Flat Only)



Colonial (Flat and Contour)



Sunburst (Flat Only)



Starburst (Flat and Contour)

ETCHED GLASS OPTIONS



Diamond (Polished)



Colonial (Polished)



Double Prairie (Polished)

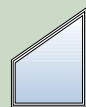


Florentine (Polished)

SPECIAL SHAPES

Our custom-shaped architectural windows are fusion welded and available with these options:

- Soft-White™, Beige, or Brown vinyl.
- Light Oak, Medium Oak, Cherry, and Brazilian Cherry woodgrain interiors with Soft-White or Beige exterior.
- Starburst, Sunburst, or Colonial grid patterns.
- Frosted glass.
- Low-E glass.



Trapezoid Left (Right Available)



Triangle Left (Right Available)



Hexagon (Also Elongated Hexagon)



Octagon (Also Elongated Octagon)



Eyebrow Extended Leg



Pentagon Extended Leg



Full Circle



Quarter Circle



Half Eyebrow



Eyebrow

AIR INFILTRATION RATINGS MATTER!

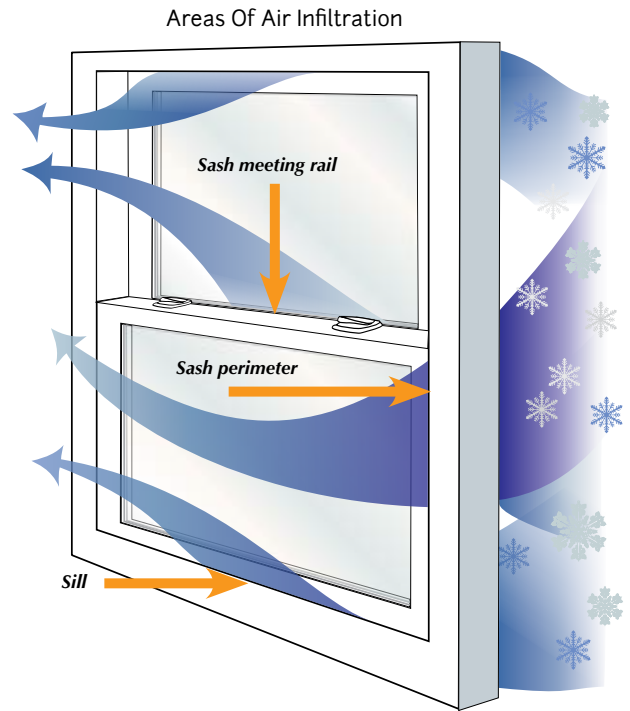
Why Do Windows Leak Air?

Poorly designed windows don't have the built-in airlocks, weatherstripping, and barriers necessary to keep air from forcing its way in. Without these design features, air will push between the sash meeting rails and around the sash perimeter.

We know how uncomfortable a home with leaky windows is. So, to keep you comfortable, we loaded the Pro window with weather barriers that go far beyond the industry standard and other manufacturers' window designs. The Pro window is so superior that it leaks only a fraction of what all other typical vinyl and wood windows leak.



Our Pro window has earned the prestigious AAMA® Gold Label Certification for air performance. Its rating of .07 CFM makes it 114% tighter than an average vinyl window, which helps make your home a healthier and more allergen-free environment.



GOLD LABEL AIR INFILTRATION CERTIFICATION – MEETS AND EXCEEDS INDUSTRY STANDARDS

AAMA Overall	R-50
AAMA Structural	DP-50/171 MPH
AAMA Water	Grade 50-54 MPH
AAMA Air	.07 CFM at 25 MPH

Air Infiltration Comparison Chart

CFM (Cubic feet per minute)	=	GALLONS	=	12 OZ. SODA CANS
SoftLite Pro™ .07 CFM of air leakage per minute	=	 0.525 gallons of air leakage per minute	=	 5.6 soda cans of air leakage per minute (67.2 OZ./MIN.)
Traditional Vinyl Residential High-Performance Double-Hung Windows (Alside®/Simonton®/Champion®) .15 CFM avg. air leakage per minute Industry Average Range from 0.11 CFM to 0.21 CFM*	=	 1.125 gallons of air leakage per minute	=	 12 soda cans of air leakage per minute (144 OZ./MIN.)
At the above rate, Pro windows are over 2 times more airtight than traditional vinyl residential high-performance double-hung windows.				
Traditional Wood Residential Double-Hung Windows (Pella®/Marvin®/Jeld-Wen®/Andersen®) .23 CFM avg. air leakage per minute Industry Average Range from 0.12 CFM to 0.30 CFM*	=	 1.725 gallons of air leakage per minute	=	 18.4 soda cans of air leakage per minute (220.8 OZ./MIN.)
At the above rate, Pro windows are over 3 times more airtight than traditional wood residential double-hung windows.				
Industry Standard** .30 CFM of air leakage per minute	=	 2.25 gallons of air leakage per minute	=	 24 soda cans of air leakage per minute (288 OZ./MIN.)

*References valid as of October 1, 2010 based on our competitors' websites and independent testing.

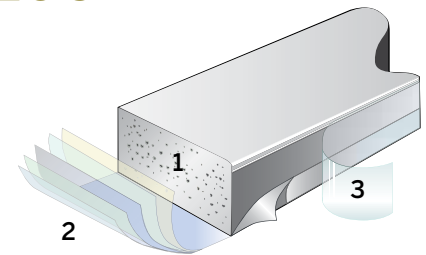
**Industry Standard: AAMA® (American Architectural Manufacturers Association®) has set the Industry standard for Maximum Allowable Air Infiltration at 0.30 CFM (cubic feet per minute) during a 25 MPH wind. This is equal to 2.25 gallons or 24 soda cans of air leaking through the window every minute!

CONSIDER THIS: You would need to combine more than **13 Pro windows** to get as much air leakage as **four traditional wood** residential double-hung windows, and more than **8 Pro windows** to get as much air leakage as **four traditional vinyl high-performance** double-hung windows.

ADVANCED INSULATED GLASS UNIT TECHNOLOGY

Super Spacer®... The TrueWARM® Spacer

Super Spacer® is the world's only 100% foam, metal-free warm-edge sealing system. Super Spacer between the panes of an insulated glass unit blocks the heat escape path and provides one of the best thermal performances in the industry. Metal-free Super Spacer is flexible and resists stress. The less metal you have, the lower your U-Factor, and the more energy efficient your window is.



1. Thermoset silicone foam matrix.
2. Proprietary multi-layer vapor barrier.
3. Structural adhesive combines with perimeter edge sealant.

Super Spacer Health Smart Glass Units Minimize Condensation And Mold.



Super Spacer fights condensation and mold like no other warm-edge spacer.

The primary window condensation culprit is the spacer between the glass panes. Common spacers conduct heat and cold, causing condensation at the edge of the glass. Only a warmer edge surrounding the glass will strike at the heart of the problem. The world's only TrueWARMedge occurs with Super Spacer, the insulating foam spacer that reduces condensation and allows for comfortable household humidity levels.

Window condensation contributes to mold growth inside window and wall openings and can lead to unsightly stained wood, peeling paint, and rotted frames.

Mold has been linked to childhood asthma, general respiratory illnesses, allergies and fungal diseases.



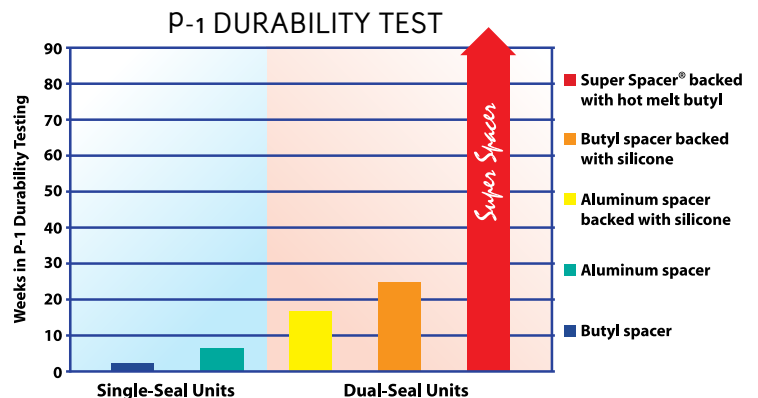
Full-Metal Spacer
With conventional metal spacers, condensation is a fact of life.

Metal-Free Super Spacer®
Dramatically reduces interior condensation.

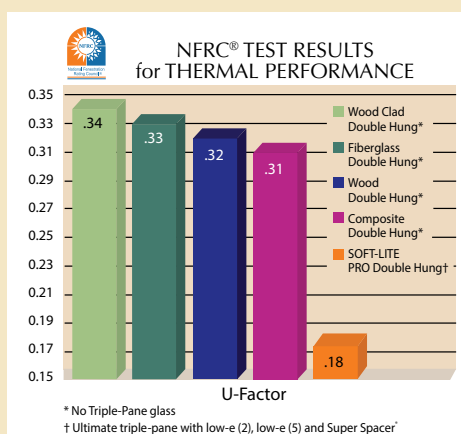
Super Spacer Is Durable.

Super Spacer sealed units have up to 20 times the life expectancy of single-seal insulating glass systems. The P-1 durability test at right shows the dramatic difference Super Spacer makes in the longevity of your insulated glass system.

The P-1 test is considered to be the world's toughest durability test. All units are continuously exposed to 140°F (60°C) temperatures, 95-100% humidity and constant UV bombardment. Each week of testing is equivalent to approximately one year of actual field use. Super Spacer units have been also tested to show a loss of less than 1% of argon gas in five years of service life simulation.

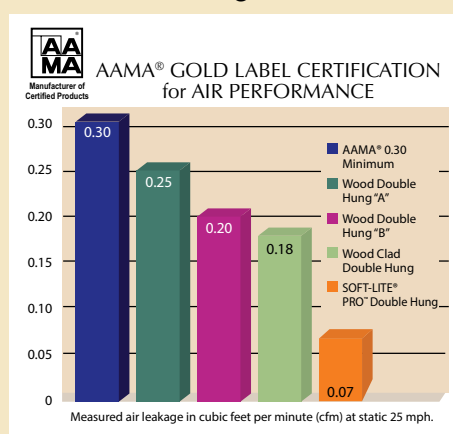


Thermal Performance



Soft-Lite® tests all its windows to NFRC® specifications. Summary test results are available from your Soft-Lite® authorized dealer. To be certified, a window must have an NFRC label affixed to it.

Structural Design Performance



Soft-Lite tests all its windows to AAMA® specifications. Results are available on the AAMA website and detailed test results are available from your Soft-Lite authorized dealer. (www.aamanet.org)

SELECT FROM AN ARRAY OF HIGH-PERFORMANCE GLASS OPTIONS.

Soft-Lite® purchases the best available glass products from leaders in the industry who focus exclusively on glass fabrication. Consult with your Soft-Lite Representative for many additional options.

Soft-Lite Pro Dual-Pane High-Performance Double-Strength Low-E Glass with Super Spacer® and Argon Gas

ENERGY STAR® Qualified in Highlighted Regions

Soft-Lite® Windows
VINYL DOUBLE HUNG PRO
Double Glazing, Argon Fill, Low-E

ENERGY PERFORMANCE RATINGS	
U-Factor (U.S. I-P)	Solar Heat Gain Coefficient
0.28	0.30
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
0.54	56

Super Spacer Health Smart Windows

This window is ENERGY STAR qualified in North, North-Central, & South-Central zones.

Soft-Lite Pro Dual-Pane Solar Low-E Glass with Super Spacer and Argon Gas

ENERGY STAR® Qualified in Highlighted Regions

Soft-Lite® Windows
VINYL DOUBLE HUNG PRO TURBO
Double Glazing, Argon Fill, Low-E

ENERGY PERFORMANCE RATINGS	
U-Factor (U.S. I-P)	Solar Heat Gain Coefficient
0.27	0.21
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
0.49	57

Super Spacer Health Smart Windows

This window is ENERGY STAR qualified in ALL Climate Zones.

Soft-Lite Pro Triple-Pane Ultra-S Glass™ with Super Spacer and Argon Gas

ENERGY STAR® Qualified in Highlighted Regions

Soft-Lite® Windows
VINYL DOUBLE HUNG PRO
Triple Glazing, Argon Fill, Low-E

ENERGY PERFORMANCE RATINGS	
U-Factor (U.S. I-P)	Solar Heat Gain Coefficient
0.23	0.26
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
0.43	64

Super Spacer Health Smart Windows

This window is ENERGY STAR qualified in ALL Climate Zones.

Soft-Lite Pro Triple-Pane Ultimate Glass™ with Super Spacer and Krypton Gas

ENERGY STAR® Qualified in Highlighted Regions

Soft-Lite® Windows
VINYL DOUBLE HUNG PRO
Triple Glazing, Krypton Fill, Low-E

ENERGY PERFORMANCE RATINGS	
U-Factor (U.S. I-P)	Solar Heat Gain Coefficient
0.18	0.26
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Condensation Resistance
0.43	68

Super Spacer Health Smart Windows

This window is ENERGY STAR qualified in ALL Climate Zones.

Ultimate Glass™



NFRC® WINDOW LABELS
All NFRC labels refer to whole-window performance, not just the insulated glass unit.

About NFRC® Ratings

The National Fenestration Rating Council® is a third-party, non-profit organization that independently administers a uniform rating and labeling system for the energy performance of windows and doors. The NFRC label on your windows is specific to the overall thermal performance of the specimen window tested (www.nfrc.org).

What the ratings on the label mean:

U-Factor – The lower the U-Factor, the better the window's overall thermal performance. The glass package, the window's material, and its components all affect the rating.

Solar Heat Gain Coefficient – A measurement of how well a product blocks heat caused by sunlight. The rating is expressed as a number between 0 and 1. The lower the number, the better—which also means less solar heat is transmitted through the window.

Visible Transmittance – A measurement of how much light comes through the window. Expressed as a number between 0 and 1, the higher the VT, the better.

Condensation Resistance – A measurement of how well the window resists condensation on the glass. The higher the number, the better.

Lifetime Warranty

Our Lifetime Warranty is designed to protect your investment and our reputation. It guarantees that our windows will not rot, rust, warp, pit, corrode or blister, and that our vinyl colors will remain true for the life of your home.

Our Lifetime Warranty is non-prorated and is fully transferable. We also warrant all moving parts and the hermetically insulated seal against defects in materials or workmanship. Finally, we offer an optional lifetime glass breakage rider for extra peace of mind.



Soft-Lite, window partner with the National Crime Prevention Council, offers intruder-resistant windows.

