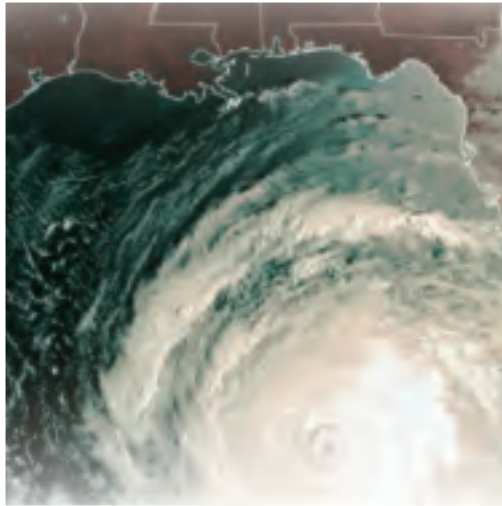


SafeHarbor[®]



Vinyl Impact
Windows & Doors

For New Construction Applications

Make Your Home A SafeHarbor®

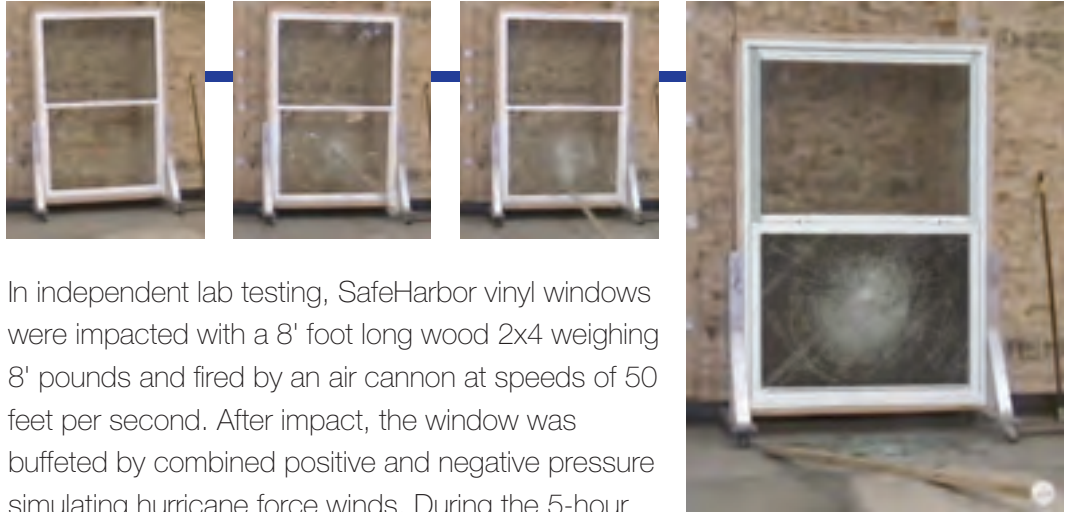
SafeHarbor® Vinyl Impact-Resistant windows and sliding glass doors are engineered to protect homes against dangerous weather, including hurricane force winds. Reducing the possibility of flying debris penetrating the window results in reducing the possibility of structural and water damage or total destruction.

SafeHarbor® products are designed to look like traditional windows and doors, but they are constructed of impact-resistant safety glass embedded in heavy duty, reinforced frames.

The Design Pressure ratings of SafeHarbor® windows and doors meet coastal wind and hurricane debris code requirements.

Should flying debris impact the SafeHarbor® window, the impact-resistant glass may shatter, but the safety membrane holds the pieces firmly in place, reducing the high-velocity winds that could breach your home's outer envelope. SafeHarbor® Vinyl Impact windows and sliding glass doors provide an added measure of safety to help protect your homes.

Performance Tested



In independent lab testing, SafeHarbor vinyl windows were impacted with a 8' foot long wood 2x4 weighing 8' pounds and fired by an air cannon at speeds of 50 feet per second. After impact, the window was buffeted by combined positive and negative pressure simulating hurricane force winds. During the 5-hour testing period the impact-resistant glass remained in the window frame and was not breached. The window continued to function operationally after the testing was completed.

SafeHarbor® Vinyl Impact windows are available in a full range of styles and sizes to complement your homes. Optional tinted glass and energy efficient Low-E glass are available as well.



Impact-Resistant Glass Construction

SafeHarbor windows feature laminated safety glass combined with a thermally efficient insulating glass system.

The exterior lite consists of a 1/8" thick annealed double strength glass panel. The interior lite is constructed of two 1/8" thick annealed glass panels laminated with an interlayer membrane that becomes transparent during the laminating process and forms a 5/16" thick panel.

This unique laminated glass system combined with a second insulating lite creates an impact-resistant barrier and delivers outstanding thermal efficiency.

Series 30 Single Hung or Horizontal Sliding Window

Vinyl impact construction meets AAMA hurricane debris test protocols

Laminated glass system with .090" interlayer provides impact resistance and reduces outdoor sound transmission

3/4" insulated glass panel with warm edge spacer system provides energy saving thermal performance

Double, reinforced interlocks provide exceptional structural integrity, strength and security

Multi-chambered frame assembly improves thermal performance and helps enhance sound absorbency

Aluminum reinforced stiles and bottom rail for enhanced structural performance

Integral, pre-punched installation fin targets proper screw location for secure installation

*Half screen is standard

White standard, almond optional

Cam-lock and keeper help provide a weather-tight seal and added security

Heavy-duty construction is qualified for use in a wide variety of construction applications

Precision-mitered, fusion welded corners for advanced structural integrity

Concealed drainage system keeps dust out and water drainage clear

Options:

Low-E glass

Low-E glass with Argon gas

Flat and contoured grids available



Single Hung

Single hung windows have a fixed top sash and a bottom sash that operates vertically. Series 30 Single Hung windows look just like any other window, yet meet all AAMA/American Architectural Manufacturers Association specifications for hurricane impact and cycle testing standards.

Certified DP55

Block and tackle balance system on sizes up to 44" x 72" ensures easy sash movement

Heavy-duty spiral balance system designed specifically for larger glass is standard on sizes over 44" x 72" (Maximum size: 53" x 77")

Available in complementary horizontal slider, picture window and special shapes

Horizontal Sliding

Horizontal sliding windows are the perfect choice for large areas, or where a horizontal opening is preferred. They glide easily, yet meet all AAMA/American Architectural Manufacturers Association specifications for hurricane impact and cycle testing standards.

Certified DP55

(Maximum size: 72" x 48")

Dual brass rollers glide over raised track for smooth, effortless operation

Available in complementary single hung, picture window and special shapes

Manufacturer reserves the right to substitute components as necessary for continued product improvement.

* Screens are not meant to restrain a child from falling through an open window.

Series 70 Casement Windows

Series 70 casement windows feature crank-out sashes that provide great ventilation and unobstructed vertical viewing. They make perfect alternatives for installing over a kitchen sink to allow easy opening of the sash. Series 70 windows meet all AAMA/ American Architectural Manufacturers Association specifications for hurricane impact and cycle testing standards.

Vinyl impact construction

meets AAMA hurricane debris test protocols

Laminated glass system with .090" interlayer

provides impact resistance and reduces outdoor sound transmission

3/4" insulated glass panel with warm edge spacer system provides energy saving thermal performance

Certified DP55

(Maximum size: 36" x 60")

Sash cranks open for maximum ventilation, comfort and easy cleaning

Heavy-duty coastal hardware

with single-lever, multi-point lock for increased security

Folding handle

operates smoothly and folds into assembly so it will not interfere with window treatments

Multi-chambered frame assembly

improves thermal performance and helps enhance sound absorbency



Integral, pre-punched installation fin

targets proper screw location for secure installation

*Screen is standard

White standard, almond optional

Heavy-duty construction is qualified for use in a wide variety of construction applications

Precision-mitered, fusion welded corners for advanced structural integrity

Concealed drainage system keeps dust out and water drainage clear

Available in complementary picture window and special shapes

Options:

Low-E glass

Low-E glass with Argon gas

Flat and contoured grids available

Manufacturer reserves the right to substitute components as necessary for continued product improvement.

* Screens are not meant to restrain a child from falling through an open window.

Series 352 Sliding Glass Doors

High-Performance Features

These high-performance impact-resistant sliding glass doors feature a laminated, tempered glass construction that screens out ultraviolet light, reduces outside sound transmission and reduces solar heat gain while protecting your home from flying debris.



Vinyl impact construction meets AAMA hurricane debris test protocols

Laminated glass system with .090" interlayer provides impact resistance and reduces outdoor sound transmission

1" insulated glass panels with warm edge spacer system provides energy saving thermal performance

Certified DP60 in select sizes (Maximum size: 8'0" x 8'0")

Multi-point locking system improves security

Operable, galvanized steel reinforced panels feature heavy-duty, tandem ball bearing rollers with 2" diameter wheels for durable, easy operation

Multi-chambered frame assembly improves thermal performance and helps enhance sound absorbency

Dual weather sealed interlock blocks air and water infiltration

Integral, pre-punched installation fin targets proper screw location for secure installation (removable for replacement applications)

*Screen is standard

White standard, almond optional

Precision-mitered, fusion welded frame and panel corners for enhanced structural integrity

Concealed drainage system keeps dust out and water drainage clear

Options:
Low-E glass
Low-E glass with Argon gas
Flat and contoured grids available

Upgrade Your SafeHarbor Vinyl Impact Windows & Doors with Energy Efficient Low-E Glass

The Warm-Edge Advantage – Standard

Specially insulated spacers between the glass panes are designed to flex with the glass in hot or cold temperatures to resist sealant failure. The insulated spacers also help keep the edges of the glass warmer, dramatically reducing condensation while keeping cold air out and warm air in.

Optional Energy Saving Low-E Glass Technology

Low-E glass is coated with a virtually invisible layer of silver that reflects radiant solar energy while permitting visible light to pass through the glass. In cold, winter climates the Low-E glass helps keep rooms warmer by reflecting heat back into the home while letting warm, solar rays in. In hot, summer temperatures the Low-E glass lets visible light pass while blocking infrared and ultraviolet radiant solar energy. So your rooms stay cooler and you save on precious energy costs. An added bonus of Low-E glass, blocking radiant solar energy, also helps protect room furnishings from fading.

SafeHarbor

www.safeharborwindows.com

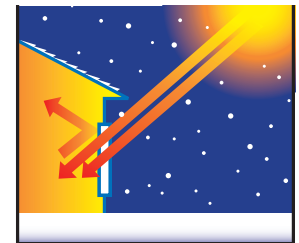
Kids Can't Fly

Screens are not designed to restrain a child from falling through an open window. Please take proper precautions.

Low-E Glass



During the summer, it reflects the sun's heat energy away from your house for cooler inside temperatures.



During the winter, this glass lets in natural light and keeps heat energy inside your house.

This gives you better insulation, less condensation and greater energy savings all year.



We are proud to promote energy efficient products in conjunction with the Energy Star® for Windows program.

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