

Effortlessly Secure Your Home Through Even The Toughest Storms

Two Great Companies...  
One Remarkable Product



The WISP project is a joint venture of two giants in the vinyl window, door and garage door industry which came together to develop a unique and innovative product. Combining technology from VEKA's window and door designs, High-end PVC extrusion technology and European Rollers Shutter Technology with Wayne-Dalton garage doors, controls and automation and Wayne-Dalton Fabric Shield™ made it possible to develop a fully automated and smart window protection system, out-racing the competition both in price and performance.



# Effortlessly Secure Your Home Through Even The Toughest Storms

The beauty of WISP is it's simplicity. To deploy and lock the system, just click a button. Click it again and it unlocks automatically. The convenience of WISP allows you to activate the system by cell phone, even being hundreds of miles away!

- 1 Start with any fully assembled vinyl window.
- 2 The WISP receptor is built to the rough opening in your home.
- 3 The fully assembled vinyl window is then installed into the WISP receptor.
- 4 Your WISP unit is ready for full deployment of hurricane protection.



## What is WISP?

WISP, Window Integrated Storm Protection, is a receptor system into which any window can be installed.

## What Does WISP Do?

- It protects window openings from being breached by windborne debris.
- Reduces water infiltration, sound transmission, and solar heat-gain.
- It improves thermal efficiencies.
- Provides privacy, shading and security.
- Enhances visuals and functionality significantly.
- Lowers total package price significantly.
- Protects carpet and furniture from damaging UV light.

## Easier Deployment of Storm Protection

- Self contained storage.
- No tools or ladders required.
- Deployed manually from inside of the home or remotely (push button or internet).
- Same deployment method regardless of location or type of window.

## Curtain improves thermal and solar heat-gain coefficients.

- Exterior curtain reduces radiant heat build up.
- Added air space and curtain material reduces "U" value for window.

## Significantly improved visuals

- No added fasteners or tracks.
- Hidden Shade/Curtain in window frame.
- No loss of daylight opening.
- Enhances interior design options.

## 30-50% less weight than impact window solutions.

- Better for new construction builder.
- Weight comparable to annealed glass window solutions.
- Less trades involved in construction.
- Less liability for builders (water leakage due to fastener mounting).
- Blinds become optional.
- No need to install storm panels.

## The WISP design criteria:

- Complies with the Florida Building Code and ICC for wind-borne debris protection of openings (PENDING).
- Fully integrated with a receptor for window.
- Maintain wall penetration depth.
- Works with all window styles.
- Deploys manually or with battery powered motor from interior of home.
- Preserves mulling features in window.
- No interference with existing screen.
- Better price point than impact glass solutions.

## WISP Test Protocol:

AAMA 101/440 Window testing operating force for operable test specimens, air leakage resistance test, water penetration resistance test, stepped uniform load deflection test, uniform load structural test, forced entry.

## ASTM E 1886-1996 Hurricane Protection:

large missile impact, structural cycling, structural loading

## NFRC Testing:

U factor, Solar heat gain, Visible transmittance, Air leakage, Sound abatement.

## Technical data:

Impact compliant:

ASTM E1886, ASTM E1996 Missile D, 67 psf ASTM E330

Water Penetration Pressure Level Increased  
ASTM E331 20-40 psf vs. 5-7.5 psf

Solar Heat Gain Reduced  
SHGC 0.177 vs. 0.704

U Factor Reduce  
0.313 Btu/hr-ft<sup>2</sup>-F vs. 0.476



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