

# ELITE LINE

Residential windows  
and doors



ESWINDOWS



### **ES Windows Advantages**

- Ideal for single-family homes
- Meets the nation's toughest hurricane requirements for South Florida's High Velocity Hurricane Zone
- Large and small missile impact rated
- Glazing styles including colonial, brittany or full view
- Flat or OG muntins inside and/or outside
- Thick aluminum framing for superior thermal resistance and durability
- Framing features, high performing T5 and T6 aluminum alloys
- High-performance energy-efficient Low-E glass options by Tecnoglass
- Heat strengthened glass as a standard feature
- Corrosion-resistant hardware and fasteners as a standard with stainless steel options
- Flush and flange frame for retrofit and concrete construction and fin frame for wood construction
- Anodized, painted or wood grain finishes available
- Custom sizes delivered in 6-8 weeks
- Screens feature aluminum frames and fiberglass mesh

### **ESW impact-rated windows will help:**

- Protect the integrity of the home during a hurricane
- Improve the energy efficiency of your property
- Reduce exposure to harmful UV rays
- Improve the appearance of your home through architectural styles and finishes
- Improve the resale value of your property
- Meet the insurance eligibility requirements for your home
- Prevent forced entry 24/7
- Reduce external noise
- Reduce heat transmittance

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## Elite Features

- Single source warranty: in-house aluminum and glass processing
- 5 to 10 year warranty on glass
- Coat Duranar paint finish as standard (AAMA 2605)
- Heat strengthened glass as standard
- Reduced sound transmission
- Superior energy performance and low U-values with insulating glass options
- Exclusive stainless steel corrosion-resistant hardware for coastal areas as standard

The E-Line from ES Windows is the ideal solution for any homeowner who wants to blend comfort with modern design. It features superior thermal performance and an impeccable clean design with no visible installation anchors. A wide variety of options, including fixed, single hung and sliding windows, as well as swing and sliding doors, are available to meet specific design intents and performance needs. The E-Line will satisfy the style needs of the most demanding homeowners.



The Elite quality standard





The Elite line of high-quality windows and doors was developed by our experienced team of engineers and designers to meet the needs of homeowners, contractors and homebuilders. We offer durable, efficient and affordable products that withstand the stringent Miami-Dade County protocols.

With more than 30 years of experience as a window and door manufacturer, ES Windows has earned a reputation for providing reliable products that meet today's modern aesthetics, in an environmentally friendly combination that helps homeowners reduce energy costs.

## WINDOWS

### **ES-EL100**

Single Hung Window

### **ES-EL150**

Fixed Window

### **ES-EL200**

Horizontal Roller / Sliding Window

### **ES-5000**

Casement Window

## DOORS

### **ES-EL300**

French Door / Swing Door

### **ES-EL400**

Sliding Glass Door

**ELITE**  
LINE

# WINDOW

## ES-EL100

The ES-EL100 is a single-hung, impact rated window that easily adapts to any design specification, satisfying the most demanding construction and architectural standards for security, strength and durability.

The ES-EL100 is designed for narrow openings to resist high pressures. Single-hung systems are known for its excellent water intrusion performance.

### System Description

- Large missile impact rated
  - Frame depth: 2 15/16"
  - Configuration: O/X
  - Designed for laminated and insulating glass options
  - Water infiltration: 12 psf
  - Design load: +80/-80 psf large missile impact
  - Maximum size: 53 1/8" x 76"
  - U-value:
    - 0.64 - IGU (1/8" SB70 Clear + AS + 1/8" Clear + 0.090 PVB + 1/8" Clear)
    - 0.96 - LG (1/8" Clear + 0.090 PVB + 1/8" Clear)
  - Insulating laminated glass:
    - 1/8" + 3/8" AS + 1/8" + 0.090 Interlayer + 1/8"
    - 1/8" + 5/16" AS + 1/8" + 0.090 Interlayer + 1/4"
  - Laminated glass:
    - 1/8" + 0.090 Interlayer + 1/8"
    - 1/8" + 0.090 Interlayer + 1/4"
  - Standard egress size:
    - 25 5/8" x 98" for the minimum window width (\*)
    - 39 3/4" x 64" for the minimum window height (\*)
- \* Standard sill and 4" sash window stop

### Features

- Block and tackle or ultra-lift balances
- Bottom spring latch or sweep lock
- Flange frame for masonry, fin frame for wood construction or flush frame for concrete opening



# WMS

## ES-EL150

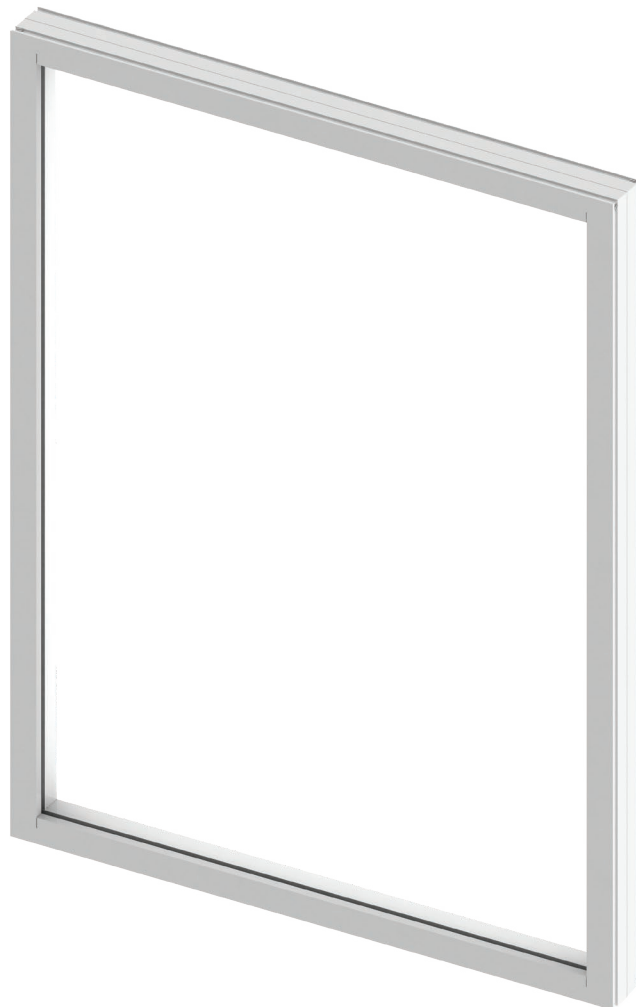
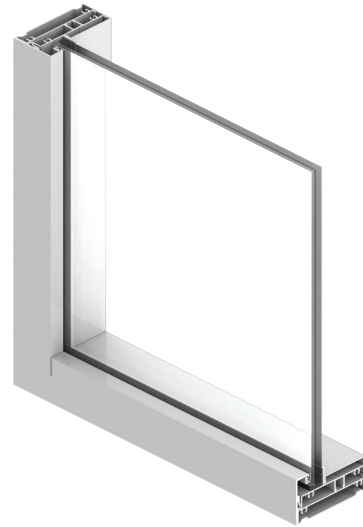
The ES-EL150 is a fixed window available in a variety of shapes, allowing a wide range of applications. This window is used to bring light to places with difficult accessibility.

### System Description

- Large missile impact rated
- Frame depth: 2 5/16"
- Designed for laminated and insulating glass options
- Water infiltration: 12 psf
- Design load: +60/-80 psf
- Maximum size: 54" x 120" LMI
- U-value:
  - 0.51 - IGU (1/8" SB70 + AS + 1/8" Clear + 0.090 PVB + 1/4" Clear)
  - 1.01 - LG (3/16" Clear + 0.090 PVB + 3/16" Clear)
- Insulating laminated glass:
  - 1/8" + 5/16" AS + 1/8" + 0.090 Interlayer + 1/4"
  - 5/32" + 5/16" AS + 5/32" + 0.090 Interlayer + 5/32"
- Laminated glass:
  - 1/8" + 0.090 Interlayer + 1/4"
  - 3/16" + 0.090 Interlayer + 3/16"

### Features

- Flange frame for masonry, fin frame for wood construction or flush frame for concrete openings
- Architectural shapes available
- Minimum radius: 14"
- Saflex PVB, Kuraray PVB, Vanceva Storm and SentryGlas Plus interlayer options



# WINDOW

## ES-EL200

The ES-EL200 is a horizontal roller sliding window. This product ensures an easy and smooth opening allowing maximum ventilation. ES-EL200 can be used on a wide variety of applications.

### System Description

- Large missile impact rated
- Frame depth: 2 5/16"
- Configurations: XO, OX or XOX
- Designed for laminated glass options
- Water infiltration: 10 psf
- Design load: +80/-90 psf
- Maximum size: 111" x 63"
- U-value:
  - 0.62 - IGU (1/8" SB70 + AS + 1/8" Clear + 0.090 PVB + 1/8" Clear)
  - 1.0 - LG (1/8" Clear + 0.090 PVB + 1/8" Clear)
- Insulating laminated glass:
  - 1/8" + 3/8" AS + 1/8" + 0.090 Interlayer + 1/8"
  - 1/8" + 5/16" AS + 1/8" + 0.090 Interlayer + 1/4"
- Laminated glass:
  - 1/8" + 0.090 Interlayer + 1/8"
  - 1/8" + 0.090 Interlayer + 1/4"
- Egress Size: 72 3/8" x 30 1/8" and 52" x 42 1/8"

### Features

- Polyamide rollers with needle bearings
- Spring latch at jamb or sweep lock options
- Flange or fin frame for masonry and wood construction, flush frame for concrete openings
- Saflex PVB, Kuraray PVB, Vanceva Storm and SentryGlas Plus interlayer options





# WMS

## ES-5000

The ES-5000 is a 2 1/8" impact rated casement window featuring a rotating handle for an effortless operation. It is available in multiple glazing options providing flexibility in design.

### System Description

- Large missile impact
- Frame depth: 2 1/8"
- Configurations: X, XX
- Designed for laminated and insulating glass options
- Water infiltration: 13.5 psf
- Design load: +90/-90 psf
- Maximum size: 37" x 74 1/4" X; 74" x 74 1/4" XX
- U-value:
  - 0.70 - IGU (5/32" SB70 Clear + AS + 1/8" Clear + 0.090 PVB + 5/32" Clear)
- Insulating laminated glass:
  - 5/32" + 1/4" AS + 1/8" + 0.090 Interlayer + 5/32"
- Laminated glass:
  - 1/8" + 0.090 Interlayer + 1/8"
  - 5/32" + 0.090 Interlayer + 1/8"

### Features

- Single arm operator and multi-point lock
- Heavy duty stainless steel four bar hinge
- Flange frame for masonry and wood construction or flush frame for concrete openings
- Screens available in aluminum frame and fiberglass mesh
- Surface applied OG or flat muntins
- Folding crank handle



# DOORS

## ES-EL300

The ES-EL300 is a 1 3/4" panel depth impact rated french door available with integrated sidelites. This product is designed to meet the most stringent standards.

ES-EL300 is a secure and durable door that can be used on a variety of applications, most commonly on residential condos.

### System Description

- Large missile impact rated
- Out-swing motion
- Frame depth: 4"
- Configurations: X, XX, O
- Water infiltration: 12 psf
- Design load: +80/-80 psf
- Maximum size: 39 3/4" x 108"
- U-value:
  - 0.70 - IGU (3/16" SB70 Clear + AS + 3/16" Clear + 0.090 PVB + 3/16" Clear)
  - 1.03 - LG (3/16" Clear + 0.090 PVB + 3/16" Clear)
- Insulating laminated glass:
  - 3/16" + 3/8" AS + 3/16" + 0.090 Interlayer + 3/16"
  - 1/4" + 3/8" AS + 1/8" + 0.090 Interlayer + 3/16"
- Laminated glass:
  - 3/16" + 0.090 Interlayer + 3/16"
  - 1/4" + 0.090 Interlayer + 1/8"
- Minimum width for accessibility is 72 13/16" on a two panel door
- Door width: 38 3/16"
- Sill height: 1 1/2"
- ADA sizes: Conf. X 38 7/8"

### Features

- Wide variety of hardware options including three-point lock, heavy-duty hinges, lever handles, deadbolts, etc.
- High bottom rail and high sill optional
- Self-mating sidelites
- OG muntins
- Saflex PVB, Kuraray PVB, Vanceva Storm and SentryGlas Plus interlayer options



# ES-EL400

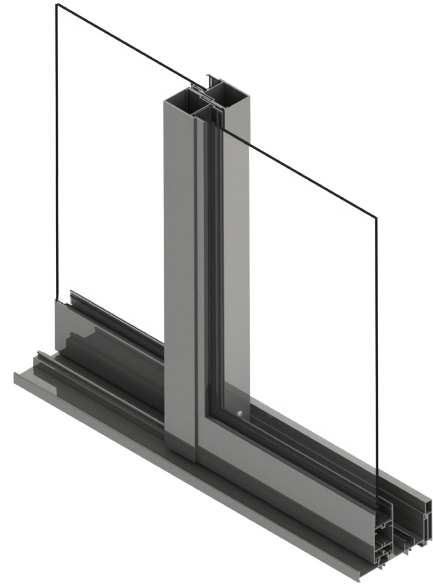
The ES-EL400 is a sliding glass door with a 4 3/16" frame profile. This product meets the most stringent specifications and with its attractive design and one-to-four track frame, is ideal for a wide range of applications.

## System Description

- Large missile impact rated
- Frame depth: 4 3/16"
- Configurations: XO, OX, XX, OXO, XXX, OXXO, OXXX, XXXX, XXXOX
- Water infiltration: 12 psf
- Design load: +80/-80 psf
- Maximum size: 48" x 120"; 60" x 96" panels
- U-value:
  - 0.57 - IGU (3/16" SB70 Clear + AS + 3/16" Clear + 0.090 PVB + 3/16" Clear)
  - 1.04 - LG (3/16" Clear + 0.090 PVB + 3/16" Clear)
- Insulating laminated glass:
  - 3/16" + 3/8" AS + 3/16" + 0.090 Interlayer + 3/16"
- Laminated glass:
  - 3/16" + 0.090 Interlayer + 3/16"
- Minimum width for accessibility is 75 5/8" on OX/XO configuration and 81 7/8" on XX configuration

## Features

- Adjustable tandem polyamide needle bearing rollers
- Up to 4-track frame option
- Saflex PVB, Kuraray PVB, Vanceva Storm and SentryGlas Plus interlayer options
- Pocket configuration available



# COLORS AND FINISHES

## Standard Colors

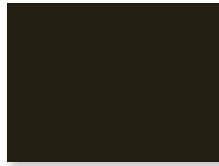
### *Duranar*



Sunstorm Arcadia Silver  
UC70123F



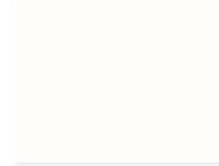
Sunstorm Silverstorm  
UC106685F



Bermuda Bronze  
UC105262



Black  
UC40577



Bone White  
UC43350

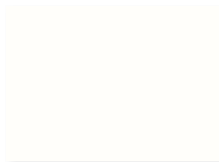
### *Hardware Finishes*



Bronze



Silver



White

\*Custom Colors Available

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### **Service**

Our engineers and designers provide customers with ongoing assistance and technical support to ensure the best solution for every project. We offer professional guidance to help customers pinpoint and balance their priorities. With this expert assistance, customers can plan and complete projects to achieve maximum benefits.

### **Engineering and Design**

We offer the right solutions for the most complex projects and respond efficiently to the demands of architects and general contractors. We can deliver reliable, efficient and affordable products, due to a combination of advanced software technology and a leading team of expert engineers and designers, who specialize in aluminum, glass and window systems.

The Elite line provides customers a perfect combination of reliability, design and performance across a wide range of product types. Whether you are looking for noise reduction, temperature control, or protection from extreme weather, our line of products can provide the perfect performance solution, without sacrificing aesthetics.

# ACCESSORIES

## Design Elements

Every Elite window and door benefits from a combination of premium materials, cutting-edge production technology and the talent of an experienced team. All of these result in precise stylish designs that will endure over time.

**ES-EL100 & ES-EL200 Spring Latches**



**ES-EL100 & ES-EL200 Sweep Locks**



**ES-EL200 Horizontal Roller**



**ES-EL300 Hinge**



**ES-EL400 Roller**



**ES-EL400 Crest Slide**





Designed for  
quality and efficiency



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