

# COASTAL IMPACT WINDOWS AND DOORS



# THE MARVIN IMPACT-RATED PRODUCT PORTFOLIO

Choose from the broad selection of Ultimate, Elevate, and Coastline windows and doors available to meet impact performance requirements for your projects.



## BE READY FOR THE HARSHTEST CONDITIONS

Whether you're close to the shore or building inland, Marvin Ultimate, Elevate, and Coastline windows and doors provide a wide range of impact-rated products to meet building codes, stand up to storms, and showcase your spaces with beauty and style. Reinforced construction, impact glass, and durable materials combine to safeguard homes without sacrificing aesthetics.

ELEVATE DIRECT GLAZE PICTURE AND AWNING WINDOWS



### ULTIMATE

Ultimate windows and doors showcase handcrafted quality with nearly endless possibilities for the most ambitious projects.



### ELEVATE

A curated collection of popular window and door types featuring proprietary Ultrex® fiberglass exteriors and natural wood interiors.



### COASTLINE

Coastline windows and doors meet the performance demands of hurricane zones while showcasing contemporary design and flexibility.

<b>INTERIORS</b>	<b>WOOD</b> 6 species options + custom 2 painted or primed options 6 stains + clear coat	<b>WOOD</b> Bare pine, painted Designer Black, painted White, or clear coat	<b>EXTRUDED ALUMINUM</b> 6 solid colors 4 woodgrain finishes
<b>EXTERIORS</b>	<b>EXTRUDED ALUMINUM</b> 19 colors + custom or <b>WOOD</b> 3 species + custom	<b>FIBERGLASS</b> 6 color options	<b>EXTRUDED ALUMINUM</b> 6 solid colors 4 woodgrain finishes
<b>SIZING</b>	Standard + custom sizing for replacement, remodeling, or new construction	Standard + custom sizing for replacement, remodeling, or new construction	Custom sizing for replacement, remodeling, or new construction
<b>HARDWARE</b>	Extensive selection including Marvin Gallery hardware	Available in 6 finish options with 2 door handle styles	Available in multiple styles, sizes, and finishes to complement the window + door aesthetics
<b>COASTAL + WATERFRONT</b>	Hurricane Impact Zones 3 and 4, + PG 50 Products	Hurricane Impact Zone 3, + PG 50 Products	All products rated for High Velocity Hurricane Zone (IZ4)

## BUILT FOR MAXIMUM PERFORMANCE AND STYLE

Eliminate the inconvenience of plywood sheets or storm shutters. Trust Marvin coastal impact products to stand up to the harshest conditions, including driving rain, wind, sun exposure, and powerful tropical weather.

**Our quality craftsmanship is backed by a 20/10-year limited warranty on glass, materials, and workmanship.**



### DURABLE MATERIALS

- Ultimate products feature the highest industry-rated 18-gauge, aircraft-quality extruded aluminum
- Ultrex® fiberglass exteriors on Elevate products are 8x stronger than vinyl and 3x stronger than the Fibrex® composite



### EXCEPTIONAL DESIGN

- IZ certified products designed to meet and exceed stringent coastal codes
- The perfect aesthetic for remodels, luxury home builds, and light commercial projects
- Frame-to-frame mulling configurations are WDMA certified in most sizes



### SUPERIOR FINISHES

- PVDF (polyvinylidene difluoride) finish that meets the highest AAMA 2605 requirements for Ultimate products
- Best-in-class AAMA 624 Ultrex finish on Elevate products is 3x thicker than competitive finishes
- Physical Vapor Deposition (PVD) hardware finishes resist fading and discoloration in coastal regions



### ENHANCED FEATURES AND OPTIONS

- Products can be specified to meet Sea Turtle Conservation Codes, which help to reduce reflection that confuses sea turtle hatchlings
- Laminated and specialty glass options are available for hurricane zones and sound management
- Marvin coastal and impact products require no extra latches or special locking hardware reinforcements



ULTIMATE WOOD DOUBLE HUNG MAGNUM WINDOWS



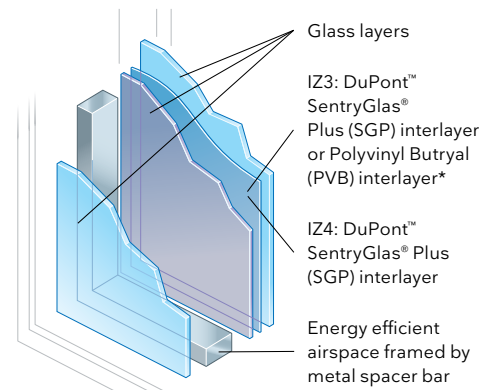
# PRESERVING THE STRUCTURAL INTEGRITY OF WINDOWS AND DOORS

Marvin impact products are rigorously tested to comply with coastal codes and withstand high wind, extreme pressure, and flying debris.



## IMPACT ZONES 3 AND 4 READY

- Zone 3 meets International Building Codes for coastal areas in Atlantic and Gulf Coast states and is tested to withstand winds from 120 mph to 140 mph
- Zone 4 (HVHZ) meets International Building Codes for Florida counties of Miami-Dade, Broward, and Monroe and is tested to withstand winds greater than 140 mph



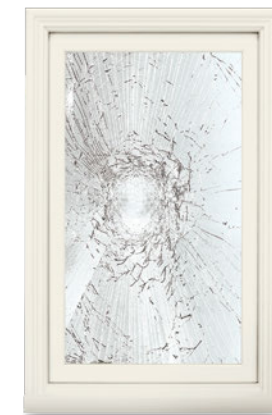
\* Interlayer dependent on size

LAYERED IMPACT RESISTANT GLASS IS DESIGNED TO EXCEED CERTIFICATION CRITERIA.



## COMPREHENSIVE TESTING

- To ensure maximum performance in the field, Marvin applies persistent pressure tests of 9,000 cycles to simulate hurricane force winds
- Products are tested using an 8' long 2" x 4" stud launched at 50' per second to ensure they withstand impact to the center and corners



WHILE THE GLASS MAY SHATTER DURING TESTING THE UNIT MAINTAINS ITS STRUCTURAL INTEGRITY.

ULTIMATE WINDOWS AND DOORS



ULTIMATE DIRECT GLAZE PICTURE AND AWNING WINDOWS

MARVIN®



ULTIMATE MULTI-SLIDE DOOR

## ULTIMATE WINDOWS AND DOORS

Ultimate windows and doors are premium products built to stand up to nature's toughest tests like flying debris, gale force winds, driving rain, salt spray, and blazing sun. Explore their stunning craftsmanship, featuring warm wood interiors, numerous design options, precise detailing, and the durability of extruded aluminum exteriors.

- Marvin is one of the few window and door manufacturers with high-quality extruded aluminum cladding as a standard
- Finish coating meets AAMA 2605 for extruded aluminum - the industry's highest rating
- Ultimate finishes are 20% thicker than finishes found in roll-form aluminum competitors
- Aluminum cladding features an extremely durable fluoropolymer paint finish with 70% PVDF (polyvinylidene difluoride), offering outstanding resistance to humidity, color change, chalk, gloss loss, and chemicals
- Suitable for Hurricane Impact Zones 3 and 4, + PG 50 products



INTERIOR VIEW - ULTIMATE DIRECT GLAZE PICTURE WINDOW



INTERIOR VIEW - ULTIMATE MULTI-SLIDE DOOR

For a complete list of Ultimate impact-rated products, see page 16.

ELEVATE WINDOWS AND DOORS



ELEVATE CASEMENT WINDOW



ELEVATE OUTSWING FRENCH DOOR

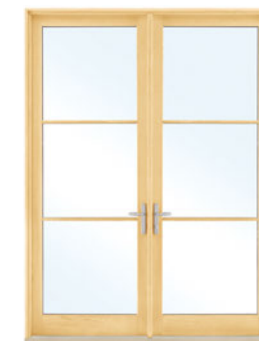
## ELEVATE WINDOWS AND DOORS

Elevate IZ3 certified products are designed for the extreme conditions of coastal areas. Ultrex® fiberglass exteriors have an extremely low thermal expansion rate to resist cracking or warping and are 8x stronger than vinyl and 3x stronger than Fibrex®.

- Ultrex fiberglass expands at virtually the same rate as glass, making Elevate products resistant to leaks, seal failures, and stress cracks
- Best-in-class AAMA 624 Ultrex finish is 3x thicker than competitive finishes
- The highly concentrated glass fibers in Ultrex fiberglass provide superior strength and an exceptionally smooth, durable finish
- Grilles-between-the-glass (GBG) and simulated divided lite (SDL) options available



INTERIOR VIEW – ELEVATE CASEMENT WINDOW



INTERIOR VIEW – ELEVATE OUTSWING FRENCH DOOR

For a complete list of Elevate impact-rated products, see page 20.

COASTLINE WINDOWS AND DOORS



COASTLINE OUTSWING FRENCH DOOR, CASEMENT, AND PICTURE NARROW FRAME WINDOWS



COASTLINE PICTURE WINDOWS

## COASTLINE WINDOWS AND DOORS

In select southeast coastal regions, where codes are the most stringent, Marvin also offers high velocity hurricane zone-approved products. Made with extruded aluminum and impact-resistant glass, Coastline products meet Miami-Dade County and state of Florida Code requirements.

- Extruded aluminum exteriors and interiors available in 6 solid colors and with 4 woodgrain finishes
- All products rated for High Velocity Hurricane Zone (IZ4)
- Available with several interlayer, laminated tinting options, and decorative glass that will increase privacy, reduce solar heat gain, and meet the requirements of Sea Turtle Conservation Codes
- Grilles-between-the-glass (GBG) and simulated divided lite (SDL) options available
- Hardware finishes withstand corrosion caused by humid conditions and salty air and resist fading even after many years of direct UV exposure

















INTERIOR VIEW – COASTLINE OUTSWING FRENCH DOOR



INTERIOR VIEW – COASTLINE PICTURE WINDOW

For a complete list of Coastline products, see page 21.

# THE MARVIN COASTAL IMPACT PORTFOLIO

ULTIMATE	ELEVATE	COASTLINE
Most extensive selection of features, options, and product types	Wide range of options and product types	Custom windows and doors for high velocity hurricane zones in the coastal southeast
<b>INTERIORS</b> A selection of high-quality interior materials and finishes to complement every design aesthetic		
<b>WOOD</b> 6 species options + custom  <b>Painted or primed</b>  <b>6 stains + clear coat</b> 	<b>WOOD</b> Bare pine, painted Designer Black, painted White, or clear coat 	<b>EXTRUDED ALUMINUM</b> 6 solid colors  <b>4 woodgrain finishes</b> 
<b>EXTERIORS</b> Long-lasting exteriors with best-in-class finishes for superior durability in the harshest environments		
<b>EXTRUDED ALUMINUM</b> 19 colors + custom  <b>WOOD</b> 3 species + custom 	<b>FIBERGLASS</b> 6 color options 	<b>EXTRUDED ALUMINUM</b> 6 solid colors  <b>4 woodgrain finishes</b> 
<b>SIZING</b> Windows and doors built to your exact specifications		
Standard + custom sizing for replacement, remodeling, or new construction	Standard + custom sizing for replacement, remodeling, or new construction	Custom sizing for replacement, remodeling, or new construction
<b>HARDWARE</b> For enhanced durability in harsh climates, some exterior hardware options are available with extra long-lasting PVD finishes		
Extensive selection including Marvin Gallery hardware	Available in 6 finish options with 2 door handle styles	Available in multiple styles, sizes, and finishes
<b>COASTAL + WATERFRONT</b> All Marvin products are well suited for coastal and waterfront areas with special products and hardware designed for hurricane zones		
Hurricane impact zone 3 and 4 + PG 50 products 	Hurricane impact zone 3, + PG 50 products 	All products rated for high velocity hurricane zone (IZ4) 

MATERIALS	ULTIMATE	ELEVATE	COASTLINE
<b>INTERIORS</b>			
WOOD	X	X	
EXTRUDED ALUMINUM			X
FIBERGLASS			
<b>EXTERIORS</b>			
WOOD	X		
EXTRUDED ALUMINUM	X		X
FIBERGLASS		X	
PRODUCTS	ULTIMATE	ELEVATE	COASTLINE
<b>IMPACT-RATED WINDOWS</b>			
	Double Hung Casement Awning Picture	Double Hung Casement Awning Picture	Single Hung Casement Awning Glider Picture Round Top Specialty Shapes Storefront
FEATURES AND OPTIONS	Casement Wash Mode Double Hung Tilt Wash Lock Status Sensor Triple Pane	Double Hung Tilt Wash Triple Pane	Casement Wash Mode
<b>IMPACT-RATED DOORS</b>			
	Sliding French Swinging French Multi-Slide Bi-Fold	Sliding French Swinging French	Swinging French Pivot Multi-Slide Bi-Fold Entry Garage
FEATURES AND OPTIONS	Automated Controls Lock Status Sensor Retractable Screens		
<b>OPTIONS</b>			
	<b>DIVIDED LITES</b> Bars with Spacer Bars without Spacer Grilles-between-the-Glass Authentic Divided Lites <b>GLASS</b> Energy Efficient Options Decorative Sound Abatement Laminated Fire Glass (California) Turtle Glass	<b>DIVIDED LITES</b> Bars with Spacer Bars without Spacer Grilles-between-the-Glass <b>GLASS</b> Energy Efficient Options Decorative Sound Abatement Laminated Fire Glass (California)	<b>DIVIDED LITES</b> Bars without Spacer Grilles-between-the-Glass <b>GLASS</b> Energy Efficient Options Decorative Laminated Turtle Glass



# PRODUCT SPECIFICATIONS

**ULTIMATE IMPACT-RATED PRODUCTS** include Casement, Awning, Double Hung G2, Double Hung (wood), Direct Glaze, Swinging French door, Sliding French door, Multi-Slide door, Bi-Fold door

**ELEVATE IMPACT-RATED PRODUCTS** include Casement, Awning, Double Hung, Direct Glaze, Swinging French door, Sliding French door

**COASTLINE PRODUCTS** include Casement, Awning, Single Hung, Glider, Picture, Specialty Shapes, Storefront, Entry doors, Swinging French doors, Bi-Fold doors, Multi-Slide doors, Pivot doors, and Garage doors

Check the Ultimate and Elevate Impact ADMs for the most current product specifications.

## ULTIMATE IMPACT PRODUCT SPECIFICATIONS

ULTIMATE CASEMENT AND AWNING			
IMPACT ZONE 3			
PRODUCT ¾" IG	MAX SIZE	DESIGN PRESSURE	OPERATION
UCA	CN3684	+65 / -65	LH/RH/STAT
UCA STAT/PICT	CN4854	+65 / -65	FIXED
UCA STAT/PICT	CN5448	+65 / -65	FIXED
UCAPO	CN3684	+65 / -65	LH/RH/STAT
UCART	CN3684	+65 / -65	LH/RH
UCART STAT/PICT	CN3684	+65 / -65	FIXED
UAWN	CN4854	+65 / -65	OPERABLE
UAWNPO	CN7236	+65 / -65	OPERABLE
PRODUCT 1" IG	MAX SIZE	DESIGN PRESSURE	OPERATION
UCA	CN3697	+65 / -65	LH/RH/STAT
UCA STAT/PICT F.S.	60 X 104 1/16	+60 / -60	FIXED
UCA STAT/PICT F.S.	104 1/16 X 6	+60 / -60	FIXED
UCA STAT/PICT F.S.	72 X 76 1/2	+65 / -65	FIXED
UCA STAT/PICT F.S.	76 1/2 X 72	+65 / -65	FIXED
UCA STAT/POLY F.S.	72 X 76 1/2	+65 / -65	FIXED
UCAPO STAT/PICT F.S.	60 X 104 1/16	+60 / -60	FIXED
UCAPO STAT/PICT F.S.	104 1/16 X 60	+60 / -60	FIXED
UCAPO STAT/PICT F.S.	72 X 76 1/2	+65 / -65	FIXED
UCAPO STAT/PICT F.S.	76 1/2 X 72	+65 / -65	FIXED
UCAPO STAT/PICT F.S.	CN7278	+65 / -65	FIXED

ULTIMATE CASEMENT AND AWNING (CONT.)			
IMPACT ZONE 3			
PRODUCT 1" IG	MAX FRAME SIZE (IN.)	DESIGN PRESSURE	OPERATION
UCA STAT PICT	60 X 104 1/16	+70 / -75	FIXED
UCA STAT PICT	104 1/16 X 60	+70 / -75	FIXED
UCA STAT PICT	72 X 71 1/8	+70 / -75	FIXED
UCA STAT PICT	71 1/8 X 72	+70 / -75	FIXED
UCA STAT/POLY	60 X 104 1/16	+70 / -75	FIXED
UCA STAT/POLY	72 X 71 1/8	+70 / -75	FIXED
UCART IN-SASH	60 X 104 1/16	+70 / -75	FIXED
UCART IN-SASH	104 1/16 X 60	+70 / -75	FIXED
IMPACT ZONE 4			
PRODUCT ¾" IG	MAX FRAME SIZE (IN.)	DESIGN PRESSURE	OPERATION
UCA	36 X 85 1/16	+70 / -85	LH/RH/STAT
UCA STAT	36 X 85 1/16	+70 / -85	FIXED
UCA STAT	85 1/16 X 36	+70 / -85	FIXED
UAWN	48 X 47 1/8	+70 / -85	OPERABLE

ULTIMATE WOOD CASEMENT AND AWNING			
IMPACT ZONE 3			
PRODUCT ¾" IG	MAX SIZE	DESIGN PRESSURE	OPERATION
UWCA	CN3684	+65 / -65	LH/RH/STAT
UWCA STAT/PICT	CN4854	+65 / -65	FIXED
UWCA STAT/PICT	CN5448	+65 / -65	FIXED
UWCART	CN3684	+65 / -65	LH/RH
UWCA STAT/PICT	CN3684	+65 / -65	FIXED
UWAWN	CN4854	+65 / -65	OPERABLE
PRODUCT 1" IG	MAX SIZE	DESIGN PRESSURE	OPERATION
UWCA	CN3697	+65 / -65	LH/RH
UWCA STAT/PICT F.S.	60 X 104 1/16	+65 / -65	FIXED
UWCA STAT/PICT F.S.	104 1/16 X 60	+65 / -65	FIXED
UWCA STAT/PICT F.S.	72 X 77 7/16	+65 / -65	FIXED
UWCA STAT/PICT F.S.	77 7/16 X 72	+65 / -65	FIXED
UWCAST/POLY F.S.	72 X 77 7/16	+65 / -65	FIXED
UWCAST/POLY F.S.	77 7/16 X 72	+65 / -65	FIXED

ULTIMATE DOUBLE HUNG G2			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
UDHG2	CN4036	+65 / -65	DH/SH
UDHG2	CN4256	+65 / -65	DH/SH
UDHG2	CN4450	+65 / -65	DH/SH
UDHG2	CN4848	+65 / -65	DH/SH
UDHPG2 F.S.	61 1/4 X 93 1/2	+65 / -65	FIXED
UDHTRG2	CN4036	+65 / -65	DH/SH
UDHRTG2	CN4450	+65 / -65	DH/SH
UDHTRG2	CN6820	+65 / -65	FIXED

ULTIMATE WOOD DOUBLE HUNG			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
UWDH	CN3234	+50 / -65	DH/SH
UWDH	CN4026	+55 / -65	DH/SH
UWDHRT	CN3234	+50 / -65	DH/SH
UWDHP F.S.	60 X 106 1/16	+55 / -65	FIXED

ULTIMATE DIRECT GLAZE			
IMPACT ZONE 3			
PRODUCT	MAX FRAME SIZE (IN.)	DESIGN PRESSURE	OPERATION
CDG	73 X 73	+55 / -65	FIXED
CDG	48 X 101 3/4	+55 / -65	FIXED
CDG	101 3/4 X 48	+55 / -65	FIXED
IMPACT ZONE 4			
PRODUCT	MAX FRAME SIZE (IN.)	DESIGN PRESSURE	OPERATION
CDG	60 X 120	+70 / -75	FIXED
CDG	120 X 60	+70 / -75	FIXED
CDG	36 X 96	+95 / -95	FIXED
CDG	96 X 36	+95 / -95	FIXED

ULTIMATE WOOD DIRECT GLAZE			
IMPACT ZONE 3			
PRODUCT	MAX FRAME SIZE (IN.)	DESIGN PRESSURE	OPERATION
UWDGRECT	73 X 73	+55 / -65	FIXED

ULTIMATE BI-FOLD DOOR		
IMPACT ZONE 3		
CERTIFICATION RATING: SP-PG50		
PRODUCT	MAX SIZE	DESIGN PRESSURE
MAXIMUM PANELS WITHIN DOOR UNIT	6 IN ANY OPERATING CONFIGURATION	+50 / -50
MAXIMUM OPERATING PANEL SIZE	CN3680 OR CN30100	+50 / -50
MAXIMUM STATIONARY PANEL SIZE	CN36100	+50 / -50

ULTIMATE MULTI-SLIDE		
IMPACT ZONE 3		
PRODUCT	MAX SIZE	DESIGN PRESSURE
BI-PARTING* STACKED OR POCKET WITH HIGH PERFORMANCE SILL	CN HEIGHTS ABOVE 8'0 TO 10'0	+50 / -55
BI-PARTING* STACKED OR POCKET WITH HIGH PERFORMANCE SILL	CN HEIGHTS 8'0 AND UNDER	+55 / -65
UNI-DIRECTIONAL** STACKED OR POCKET WITH HIGH PERFORMANCE SILL	CN HEIGHTS UP TO 10'0	+55 / -65

ULTIMATE SLIDING FRENCH DOOR			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
USFD	CN8080	+50 / -65	OX/XO
USFD	CN12080	+55 / -65	OXO/OOX/XOO
USFD	CN16080	+50 / -55	OXXO
USFDTR	CN8026	+55 / -65	FIXED

ULTIMATE WOOD SLIDING FRENCH DOOR			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
UWSFD	CN8080	+55 / -65	OX/XO
UWSFDTR	CN8026	+55 / -65	FIXED

2 ¼" ULTIMATE SWINGING FRENCH DOOR			
IMPACT ZONE 3 (OUTSWING)			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
UOFD ARCH TOP	CN3080	+55 / -65	O/X
UOFD ARCH TOP	CN6080	+55 / -65	XX
UOFD ARCH TOP	CN30100	+55 / -65	O/X
UOFD ARCH TOP	CN60100	+55 / -65	XX
UWOFD ARCH TOP	CN3080	+55 / -65	O/X
UWOFD ARCH TOP	CN6080	+55 / -65	XX
UWOFD ARCH TOP	CN30100	+55 / -65	O/X
UWOFD ARCH TOP	CN60100	+55 / -65	XX
UOFD SL G2	CN36100	+65 / -65	O
UOFD G2	CN36100	+65 / -65	O
UOFD G2	CN36100	+65 / -65	X
UOFD G2	CN30100	+65 / -65	X
UOFD G2	CN7080	+65 / -65	XX
UOFD G2	CN60100	+65 / -65	XX
UOFD TR G2	CN8026	+65 / -65	FIXED

IMPACT ZONE 4 (OUTSWING)+			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
UOFD	CN3080	+65 / -70	O/X
UOFD	CN6080	+65 / -70	XX
UOFD	CN30 X 115 %	+65 / -70	O/X
UOFD	CN60 X 115 %	+65 / -70	XX
UOFD ARCH TOP	CN3080	+65 / -70	O/X
UOFD ARCH TOP	CN6080	+65 / -70	XX
UOFD ARCH TOP	CN30 X 115 %	+65 / -70	O/X
UOFD ARCH TOP	CN60 X 115 %	+65 / -70	XX

2 ¼" ULTIMATE SWINGING FRENCH DOOR			
IMPACT ZONE 3 (INSWING)			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
UIFD ARCH TOP	CN3080	+55 / -65	O/X
UIFD ARCH TOP	CN6080	+55 / -65	XX
UIFD ARCH TOP	CN30100	+55 / -65	O/X
UIFD ARCH TOP	CN60100	+55 / -65	XX
UIWFD ARCH TOP	CN3080	+55 / -65	O/X
UIWFD ARCH TOP	CN6080	+55 / -65	XX
UIWFD ARCH TOP	CN30100	+55 / -65	O/X
UIWFD ARCH TOP	CN60100	+55 / -65	XX
UIFD SL G2	CN36100	+65 / -65	O
UIFD G2	CN36100	+65 / -65	O
UIFD G2	CN3680	+65 / -65	X
UIFD G2	CN30100	+65 / -65	X
UIFD G2	CN7080	+65 / -65	XX
UIFD G2	CN60100	+65 / -65	XX
UIFD TR G2	CN8026	+65 / -65	FIXED

2 ¼" ULTIMATE SWINGING NARROW PROFILE DOOR			
IMPACT ZONE 3 (OUTSWING)			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
UOD	CN3680	+65 / -65	O
UOD	CN3080	+65 / -65	X
UOD	CN6080	+65 / -65	XX
UOD TR	CN8026	+65 / -65	FIXED
IMPACT ZONE 3 (OUTSWING)			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
UID	CN3680	+65 / -65	O
UID	CN3080	+65 / -65	X
UID	CN6080	+65 / -65	XX
UID TR	CN8026	+65 / -65	FIXED

+ Includes stamped and milled panels  
 \* Up to 10 panels and up to 4'0 panel width  
 \*\* Up to 6 panels and up to 4'0 panel width

ELEVATE IMPACT PRODUCT SPECIFICATIONS

ELEVATE AWNING AND CASEMENT			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
ELCA	CN3771	+55 / -65	OPERABLE
ELCAP	CN5771	+55 / -65	FIXED
ELCAP	CN7355	+55 / -65	FIXED
ELCA TR	CN7319	+55 / -65	OPERABLE
ELAWN	CN4947	+55 / -65	OPERABLE
ELAWN	CN4947	+55 / -65	FIXED
ELDGR	CN25-3W	+55 / -65	FIXED RT1
ELDGR	CN7359	+55 / -65	FIXED RT2
ELDGR	CN7369	+55 / -65	FIXED RT6
ELDGR	CN29-1W	+55 / -65	FIXED RT7/RT8

ELEVATE DOUBLE HUNG			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
ELDH	CN3876	+55 / -65	OPERABLE
ELDH	CN4268	+55 / -65	OPERABLE
ELDHP	CN5476	+55 / -65	FIXED
ELDHP	CN6264	+55 / -65	FIXED
ELDH (COTTAGE)	CN4268	+55 / -65	OPERABLE
ELDH (REV.COTTAGE)	CN4268	+55 / -65	OPERABLE
ELDHTR	CN6224	+55 / -65	OPERABLE
ELDGR	CN38-2W	+55 / -65	FIXED RT1
ELDGR	CN7259	+55 / -65	FIXED RT2
ELDGR	CN8249	+55 / -65	FIXED RT6
ELDGR	CN36-1W	+55 / -65	FIXED RT7/RT8
ELDGR	CN3636	+55 / -65	FIXED RT27

ELEVATE DIRECT GLAZE			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
ELDG RECT	60 X 96	+55 / -65	FIXED
ELDG RECT	96 X 60	+55 / -65	FIXED

ELEVATE SLIDING FRENCH DOOR			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
ELDGR	CN8080	+55 / -65	OX/XO
ELDGR	CN7236	+55 / -65	RT1

ELEVATE SWINGING FRENCH DOOR			
IMPACT ZONE 3 (INSWING)			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
ELIFD	CN3080	+55 / -65	O/X
ELIFD	CN6080	+55 / -65	OX/XO/XX
ELDGR	CN7236	+55 / -65	RT1

IMPACT ZONE 3 (OUTSWING)			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
ELOFD	CN3080	+55 / -65	O/X
ELOFD	CN6080	+55 / -65	XX
ELDGR	CN7236	+55 / -65	RT1

COASTLINE PRODUCT SPECIFICATIONS

COASTLINE AWNING				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
AWNING	20.5	84 OR 84	+80 / -80	OPERABLE

COASTLINE CASEMENT				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
CASEMENT	20.5	42 OR 84	+80 / -80	LH/RH
CASEMENT PICTURE	47	106 ¾ OR 106 ¾	+80 / -80	FIXED

COASTLINE GLIDER				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
GLIDER	59	136 ¼ OR 76	+70 / -70	HORIZONTAL SLIDING
GLIDER TRIPLE SASH	74.5	170 ¼ OR 76	+70 / -70	HORIZONTAL SLIDING

COASTLINE SINGLE HUNG				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
SINGLE HUNG	29.5	53 ¾ OR 80	+80 / -20	VERTICAL SLIDING

COASTLINE SPECIALTY SHAPES				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
ROUND TOP	64	146 OR 146	+100 / -110	FIXED
ROUND TOP NARROW FRAME	44	102 ¾ OR 102 ¾	+90 / -130	FIXED
POLYGON	64	146 OR 146	+100 / -110	FIXED
POLYGON NARROW FRAME	44	145 ¾ OR 145 ¾	+90 / -130	FIXED

COASTLINE DIRECT GLAZE				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
DIRECT GLAZE	64	146 OR 146	+100 / -110	FIXED
DIRECT GLAZE NARROW FRAME	44	145 ¼ OR 145 ¼	+90 / -130	FIXED

COASTLINE STOREFRONT				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
COSF 4.6875	44***	60*** OR 132	+100 / -110	FIXED
COSF 6.625	72	144 OR 144	+70 / -80	FIXED

\*\*\*ON-CENTER MULLION MEASUREMENT. TOTAL ASSEMBLY WIDTH CANNOT EXCEED 17 FEET.

COASTLINE BI-FOLD				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
BI-FOLD	197.5	40** OR 116 1¾	+70 / -70	UP TO 6 PANELS

COASTLINE MULTI-SLIDE				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
MULTI-SLIDE - 4.562	258	375 OR 100 ¼	+90 / -110	2 - 10 PANELS, STACKED/BYPASS
MULTI-SLIDE - 3.187	500	654 ½ OR 145 ¾	+80 / -80	2 - 8 PANELS, BYPASS, POCKET, CORNER
MULTI-SLIDE - 4.562	32 ½**	48** OR 98 ¾**	+90 / -110	8 PANELS, BYPASS
MULTI-SLIDE - 3.187	63**	84** OR 144**	+80 / -80	2 - 8 PANELS, STACKED/ BYPASS, POCKET, CORNER

COASTLINE SWINGING FRENCH				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
INSWING FRENCH	62.5	76 OR 118 ½	+55 / -80	X/XX
OUTSWING FRENCH	62.5	76 OR 144	+80 / -80	X/XX
SWINGING FRENCH SIDELITE	39	60 OR 114 5/16	+80 / -80	FIXED
INSWING FRENCH NARROW STILE	57	76 OR 108	+50 / -60	X/XX
OUTSWING FRENCH NARROW STILE	57	76 OR 108	+50 / -60	X/XX
SWINGING FRENCH NARROW STILE SIDELITE	36	48 OR 108	+50 / -60	FIXED

COASTLINE PIVOT				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE+ (PSF)	OPERATION
INSWING PIVOT	54	74 OR 120	+60 / -60	LH/RH
OUTSWING PIVOT	54	74 OR 120	+60 / -60	LH/RH

COASTLINE GARAGE DOOR				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
COGS GLS	229	220 OR 173 ¾	+60 / -60	VERTICAL SLIDING

COASTLINE ENTRY DOOR				
IMPACT ZONE 4 (HVHZ)				
PRODUCT	MAX AREA* (SQ. FT)	MAX WIDTH/ HEIGHT (IN.)	MAX DESIGN PRESSURE (PSF)	OPERATION
COIFD ES	70	76 OR 132 ¾	+55 / -80	X/XX
COOFD ES	70	76 OR 144	+80 / -80	X/XX
COFD ES SL	44	60 OR 132 ¾	+80 / -80	FIXED

+ Reference Florida Product Approval for actual DP  
 \* Max area cannot be exceeded  
 \*\* Panel measurement  
 \*\*\* On-center mullion measurement

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Part #19983504. August 2024. [MUT]

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