

# COASTAL IMPACT WINDOWS AND DOORS





# THE MARVIN IMPACT-RATED PRODUCT PORTFOLIO

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



## 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.

## BE READY FOR THE HARSHEST CONDITIONS

Whether you're close to the shore or building inland, Marvin Ultimate and Elevate 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

INTERIORS	WOOD 6 species options + custom 2 painted or primed options 6 stains + clear coat	WOOD Bare pine, painted Designer Black, painted White, or clear coat
EXTERIORS	EXTRUDED ALUMINUM 19 colors + custom or WOOD 3 species + custom	FIBERGLASS 6 color options
SIZING	Standard + custom sizing for replacement, remodeling, or new construction	Standard + custom sizing for replacement, remodeling, or new construction
HARDWARE	Extensive selection including Marvin Gallery hardware	Available in 6 finish options with 2 door handle styles
COASTAL + WATERFRONT	Hurricane Impact Zone 3, + PG 50 Products	Hurricane Impact Zone 3, + PG 50 Products





ULTIMATE WOOD DOUBLE HUNG MAGNUM WINDOWS

# 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

- Impact Zone 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 CASEMENT AND AWNING WINDOWS

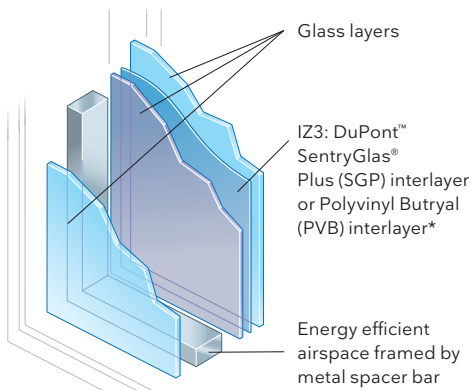
# PRESERVING THE STRUCTURAL INTEGRITY OF WINDOWS AND DOORS

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



## IMPACT ZONE 3 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



\* 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 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 Zone 3, + 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



MARVIN®

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.



# THE MARVIN COASTAL IMPACT PORTFOLIO

ULTIMATE	ELEVATE
Most extensive selection of features, options, and product types	Wide range of options and product types
<b>INTERIORS</b> A selection of high-quality interior materials and finishes to complement every design aesthetic	
WOOD 6 species options + custom 	WOOD Bare pine, painted Designer Black, painted White, or clear coat 
Painted or primed 	
6 stains + clear coat 	
<b>EXTERIORS</b> Long-lasting exteriors with best-in-class finishes for superior durability in the harshest environments	
EXTRUDED ALUMINUM 19 colors + custom 	FIBERGLASS 6 color options 
WOOD 3 species + custom 	
<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
<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
<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 + PG 50 products 	Hurricane impact zone 3 + PG 50 products 

MATERIALS	ULTIMATE	ELEVATE
<b>INTERIORS</b>		
WOOD	X	X
EXTRUDED ALUMINUM		
FIBERGLASS		
<b>EXTERIORS</b>		
WOOD	X	
EXTRUDED ALUMINUM	X	
FIBERGLASS		X
<b>PRODUCTS</b>		
<b>IMPACT-RATED WINDOWS</b>		
	Double Hung Casement Awning Picture	Double Hung Casement Awning Picture
<b>FEATURES AND OPTIONS</b>		
	Casement Wash Mode Double Hung Tilt Wash Lock Status Sensor Triple Pane	Double Hung Tilt Wash Triple Pane
<b>IMPACT-RATED DOORS</b>		
	Sliding French Swinging French Multi-Slide Bi-Fold	Sliding French Swinging French
<b>FEATURES AND OPTIONS</b>		
	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)



# 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

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 1⅞	+60 / -60	FIXED
UCA STAT/PICT F.S.	104 1⅞ X 6	+60 / -60	FIXED
UCA STAT/PICT F.S.	72 X 76 ½	+65 / -65	FIXED
UCA STAT/PICT F.S.	76 ½ X 72	+65 / -65	FIXED
UCA STAT/POLY F.S.	72 X 76 ½	+65 / -65	FIXED
UCAPO STAT/ PICT F.S.	60 X 104 1⅞	+60 / -60	FIXED
UCAPO STAT/ PICT F.S.	104 1⅞ X 60	+60 / -60	FIXED
UCAPO STAT/ PICT F.S.	72 X 76 ½	+65 / -65	FIXED
UCAPO STAT/ PICT F.S.	76 ½ 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 1⅞	+70 / -75	FIXED
UCA STAT PICT	104 1⅞ X 60	+70 / -75	FIXED
UCA STAT PICT	72 X 71 ⅞	+70 / -75	FIXED
UCA STAT PICT	71 ⅞ X 72	+70 / -75	FIXED
UCA STAT/POLY	60 X 104 1⅞	+70 / -75	FIXED
UCA STAT/POLY	72 X 71 ⅞	+70 / -75	FIXED
UCART IN-SASH	60 X 104 1⅞	+70 / -75	FIXED
UCART IN-SASH	104 1⅞ X 60	+70 / -75	FIXED

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

ULTIMATE WOOD CASEMENT AND AWNING (CONT.)			
IMPACT ZONE 3			
PRODUCT 1" IG	MAX SIZE	DESIGN PRESSURE	OPERATION
UWCA	CN3697	+65 / -65	LH/RH
UWCA STAT/PICT F.S.	60 X 104 1⅞	+65 / -65	FIXED
UWCA STAT/PICT F.S.	104 1⅞ X 60	+65 / -65	FIXED
UWCA STAT/PICT F.S.	72 X 77 ⅞	+65 / -65	FIXED
UWCA STAT/PICT F.S.	77 ⅞ X 72	+65 / -65	FIXED
UWCAST/POLY F.S.	72 X 77 ⅞	+65 / -65	FIXED
UWCAST/POLY F.S.	77 ⅞ 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 ¼ X 93 ½	+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 1⅞	+55 / -65	FIXED

\* Up to 10 panels and up to 4'0 panel width  
\*\* Up to 6 panels and up to 4'0 panel width

ULTIMATE DIRECT GLAZE			
IMPACT ZONE 3			
PRODUCT	MAX FRAME SIZE (IN.)	DESIGN PRESSURE	OPERATION
UCDG	73 X 73	+55 / -65	FIXED
UCDG	48 X 101 ¾	+55 / -65	FIXED
UCDG	101 ¾ X 48	+55 / -65	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



ELEVATE IMPACT PRODUCT SPECIFICATIONS

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

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
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
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 (INSWING)			
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 (INSWING)			
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

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
ELDHT	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	72.5 X 95.5	+55 / -65	FIXED
ELDG RECT	96 X 72	+55 / -65	FIXED

ELEVATE SLIDING FRENCH DOOR			
IMPACT ZONE 3			
PRODUCT	MAX SIZE	DESIGN PRESSURE	OPERATION
ELSD	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

Visit [marvin.com](https://marvin.com) to access the Architectural Detail Manual, warranty information, and the full selection of Marvin products.





Since 1912, Marvin has been a family-owned and -led company, with a legacy of innovation and commitment to the highest quality. We understand the unique opportunity windows and doors have to improve our spaces and how we feel in them. That's why we never stop pushing what's possible and inventing new solutions to channel fresh air, enhance light quality, and connect with the world around us.

**MARVIN.COM**

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Information regarding status of patent applications, as well as product features and specifications, is subject to change without notice.

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Colors shown in printed materials are simulations and may not precisely duplicate product or finish colors. Contact your local Marvin dealer to view actual product and finish color samples.

Cover image: Elevate Casement window, Elevate Awning window, Ultimate Inswing French door G2.