

MIRA® WINDOWS & PATIO DOORS





Not all patio doors are created equal.

Doors are a reflection of style and a reflection of luxury. Make the best possible statement with Ply Gem MIRA Aluminum-Clad Wood Patio Doors. Designed with exquisite craftsmanship and one-of-a-kind details, MIRA products can help you bring your unique vision to life. When you buy a Ply Gem window or door, you can take comfort in knowing that it's built with energy efficiency and long-lasting quality in mind.

Ply Gem is proud to be part of the Cornerstone Building Brands family—North America's #1 Manufacturer of windows, vinyl siding and metal accessories. As the largest manufacturer of residential and commercial exterior building products in North America, we provide a comprehensive range of products to meet all your exterior home needs. And with our 75 years of experience, industry-leading customer service, and established local partnerships, you've got a company you can count on.









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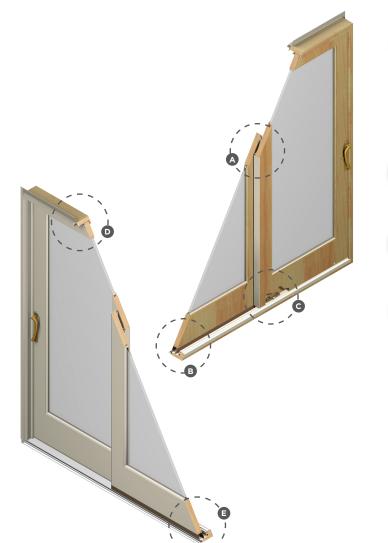
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FRENCH SLIDING PATIO DOOR

MIRA Aluminum-Clad Wood French Sliding Patio Doors offer timeless style in a space-saving sliding configuration. This premium patio door features fullperimeter weatherstripping for air-tight performance and adjustable rollers for smooth operation. A standard multi-point lock system adds enhanced security. Beauty and performance never looked so good.

FRENCH SLIDING PATIO DOOR













STANDARD FEATURES

- Stainless steel rollers for smooth operation and long lasting performance
- Aluminum sill deck in medium bronze with durable stainless steel track on interior of sill for smooth sliding operation
- Dual finseal weatherstripping over the full height of the door and 1/2" tall finseal weatherstripping for increased protection against leaks for reduced air infiltration
- 2-point locking system
- 1³/₄" panels with wide stiles and rails for a true French look
- 4 %¹⁶" jambs made of clear wood eliminate extensive drywall work
- Select clear wood ready for paint or stain to match any interior décor
- Integral face groove allows for easy mulling and exterior accessory application
- Pre-punched nailing fin for simple installation
- AAMA 2604 paint finish provides superior resistance to chalking and fading
- Energy-efficient Warm Edge insulating tempered HP glass helps reduce energy costs and fabric fading - optional HPsc, HP2+, HP2+SC, HP2MAX, HP2MAXSC, HP3MAX or HP3MAXSC
- Vacuum-treated, solid wood components resist damage from water and fungus
- Durable .050 extruded aluminum cladding on exterior surfaces of frame and .080" on panels resists dings and dents while providing structural integrity

1. HP glass combines Low-E with argon gas fill for high performance. 2. Units up to call size 60610 are rated LC50 straight out of the box. 3. Impact Rated units are available in select sizes and configurations.



Hollow and foam filled bulb weatherstripping for increased protection against leeks



BI-PARTING SLIDING PATIO DOOR





BI-PARTING SLIDING PATIO DOOR

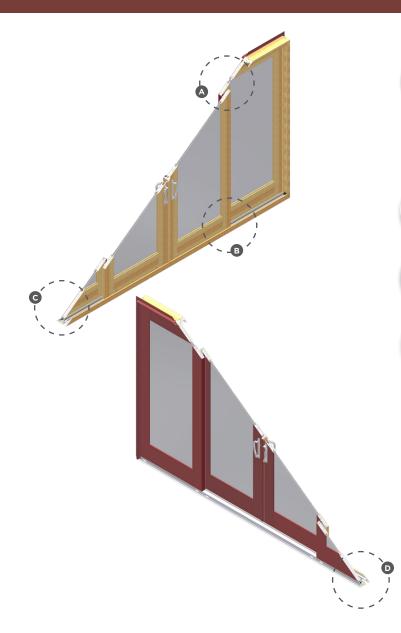
MIRA Aluminum-Clad Wood Bi-Parting Patio Doors are the perfect option for transitional living. The door provides a large opening for movement into and out of your home. This premium patio door features full-perimeter weatherstripping for air-tight performance and adjustable rollers for smooth operation. A standard multi-point lock system adds enhanced security. Beauty and performance and an expansive opening never looked so good.



BI-PARTING SLIDING PATIO DOOR

WARM EDGE





STANDARD FEATURES

- Stainless steel rollers for smooth operation and long lasting performance
- Aluminum sill deck in medium bronze with durable stainless steel track on interior of sill for smooth sliding operation
- Dual finseal weatherstripping over the full height of the door and ½" tall finseal weatherstripping for increased protection against leaks for reduced air infiltration
- Durable .080 extruded aluminum cladding on exterior surface of panels and .050 extruded aluminum cladding on frames resists dings and dents while providing structural integrity
- Multi-point lock system
- 1 ³/₄" panels with wide stiles and rails for an authentic French look
- Select clear wood interior ready for paint or stain to match any interior décor (also available primed or prefinished in white, black or off-white)
- Integral face groove allows for easy mulling and exterior accessory application
- Energy-efficient Warm Edge insulating tempered HP glass (Low-E/argon gas fill) helps reduce energy costs and fabric fading
- AAMA 2604 paint finish provides superior resistance to chalking and fading

1. HP glass combines Low-E with argon gas fill for high performance 2. Impact Rated units are available in select sizes and configurations.



Hollow and foam filled bulb weatherstripping over the full height of the door for reduced air infiltration



Durable stainless steel track on interior of the sill for smooth sliding operation

D



Stainless steel rollers for smooth operation and longlasting performance

Hollow and foam filled bulb weatherstripping for increased protection against leeks



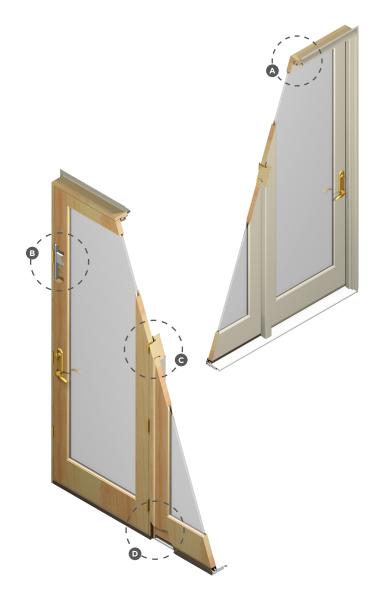


HINGED PATIO DOOR

MIRA Aluminum-Clad Wood Hinged Patio Doors are available in half-lite and three-quarter-lite panels. Single panel, two-panel, three-panel and four-panel configurations can be made to fill your unique design needs. With Warm Edge insulating Low-E glass and argon gas fill plus fullperimeter weatherstripping, our attention to energyefficiency is unmatched, while details like 1½" center mulls mean these doors are as sturdy as they are beautiful.

HINGED PATIO DOOR





HP











STANDARD FEATURES

- Adjustable hinges standard for smooth operation. Flat hinges optional.
- Center mull is integrated into the sill design for higher structural performance
- Full-perimeter weatherstripping for air-tight performance and smooth operation
- Multi-point lock system
- 4 % 6" jambs made of clear wood eliminate extensive drywall work
- Select clear wood ready for paint or stain to match any interior décor
- Integral face groove allows for easy mulling and exterior accessory application
- Pre-punched nailing fin for simple installation
- AAMA 2604 paint finish provides superior resistance to chalking and fading
- Energy-efficient Warm Edge insulating tempered HP glass helps reduce energy costs and fabric fading – optional HP^{sc}, HP2+, HP2+^{sc}, HP2_{MAX}, HP2_{MAX}^{sc}, HP3_{MAX} or HP3_{MAX}^{sc}
- Vacuum-treated, solid wood components resist damage from water and fungus
- Durable .050 extruded aluminum cladding on exterior surfaces of frame and .080" on panels resists dings and dents while providing structural integrity. Available with ADA compliant sill

1. HP glass combines Low-E with argon gas fill for high performance. 2. Available option.

. Available option.

C

3. Impact Rated units are available in select sizes and configurations.



Integral face groove allows for easy mulling and exterior accessory application



Multi-point lock system; multi-point locking hardware with stainless steel faceplates



Ad ar sn

Adjustable hinges are standard for smooth operation

Center mull is integrated into the sill design for higher structural performance



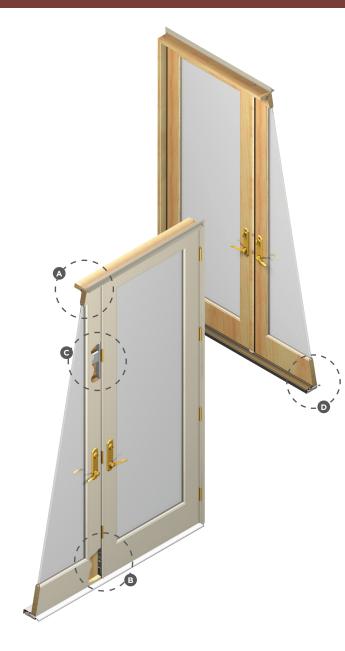


FRENCH OUTSWING PATIO DOOR

MIRA Aluminum-Clad Wood French Outswing Patio Doors provide classic style coupled with unbeatable performance. This high-quality, aluminum-clad wood patio door features adjustable hinges for smooth operation. Warm edge insulating Low-E glass and argon gas fill, double weatherstrip sealing and a bumper sill provide extra energy-efficiency, while wide stiles and rails give you a true French look.

FRENCH OUTSWING PATIO DOOR

















STANDARD FEATURES

- Adjustable hinges are standard for smooth operation. Ball Bearing flat hinges optional
- Handle activated shoot bolts at the head and sill for added security
- Aluminum sill deck to prevent sag and resist dents
- Aluminum astragal with stainable wood interior
- Full-perimeter weatherstripping for air-tight performance and smooth operation
- Multi-point lock system
- 1 ¾" panels with wide stiles and rails for a true French look
- 4 %6" jambs made of clear wood eliminate extensive drywall work
- Select clear wood ready for paint or stain to match any interior décor
- Integral face groove allows for easy mulling and exterior accessory application
- Pre-punched nailing fin for simple installation
- AAMA 2604 paint finish provides superior resistance to chalking and fading
- Energy-efficient Warm Edge insulating tempered HP glass helps reduce energy costs and fabric fading – optional HP^{sc}, HP2+, HP2+^{sc}, HP2_{MAX}, HP2_{MAX}^{sc}, HP3_{MAX} or HP3_{MAX}^{sc}
- Vacuum-treated, solid wood components resist damage from water and fungus
- Durable .050 extruded aluminum cladding on exterior surfaces of frame and .080" on panels resists dings and dents while providing structural integrity. Available with ADA compliant sill

HP glass combines Low-E with argon gas fill for high performance.
 Available option.

3. Impact Rated units are available in select sizes and configurations.



Integral face groove allows for easy mulling and exterior accessory application



Locking flush bolts at the head and sill for increased structural performance and security



Multi-point lock system; multi-point locking hardware with stainless steel faceplates



Bulb weatherstripping and wept sill for increased protection against leaks

FRENCH INSWING PATIO DOOR

MIRA Aluminum-Clad Wood French Inswing Patio Doors provide classic style and unbeatable performance. These doors feature wide stiles and rails coupled with 1³/₄" door panels to give you a true French look. Adjustable hinges allow for smooth operation, while Warm Edge Low-E insulating glass and argon gas fill, plus full-perimeter weatherstripping keep you comfortable in any season.

FRENCH INSWING PATIO DOOR













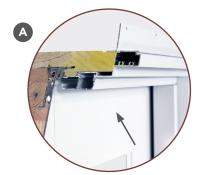


PDW

STANDARD FEATURES

- Adjustable hinges are standard for smooth operation
- Handle activated shoot bolts at the head and sill for added security
- Aluminum sill deck to prevent sag and resist dents
- Aluminum astragal with stainable wood interior
- Full-perimeter weatherstripping for air-tight performance and smooth operation
- Multi-point lock system
- * 1 $\frac{3}{4}^{\prime\prime}$ panels with wide stiles and rails for a true French look
- 4 %6" jambs made of clear wood eliminate extensive drywall work
- Select clear wood ready for paint or stain to match any interior décor
- Integral face groove allows for easy mulling and exterior accessory application
- Pre-punched nailing fin for simple installation
- AAMA 2604 paint finish provides superior resistance to chalking and fading
- Energy-efficient Warm Edge insulating tempered HP glass helps reduce energy costs and fabric fading – optional HP^{sc}, HP2+, HP2+^{sc}, HP2_{MAX}, HP2_{MAX}^{sc}, HP3_{MAX} or HP3_{MAX}^{sc}
- Vacuum-treated, solid wood components resist damage from water and fungus
- Durable .050 extruded aluminum cladding on exterior surfaces of frame and .080" on panels resists dings and dents while providing structural integrity. Available with ADA compliant sill

HP glass combines Low-E with argon gas fill for high performance.
 Available option.



Integral face groove allows for easy mulling and exterior accessory application



Aluminum sill deck to prevent sag and resist dents



Multi-point lock system; multi-point locking hardware with stainless steel faceplates



Locking flush bolts at the head and sill for increased structural performance and security

BI-PARTING & FRENCH SLIDING PATIO DOOR				
	R Value	NF	RC CERTIFI	ED
		U Factor	SHGC	VT
WITH WARM EDGE				
²∕,₀″ HP	2.70	0.37	0.22	0.4
⁷ /8" HP ^{sc}	2.70	0.37	0.17	0.31
⁷ /8" HP2+	2.94	0.34	0.21	0.39
7/8" HP2+sc	2.94	0.34	0.16	0.31
1" HP2max	3.23	0.31	0.19	0.31
1" HP2 _{MAX} SC	3.23	0.31	0.14	0.19
1" HP3 _{MAX}	3.33	0.3	0.17	0.3
1" HP3 _{max} sc	3.33	0.3	0.12	0.19
WITH WARM EDGE+				
⁷ /8″ HP	2.94	0.34	0.22	0.4
7/8" HP ^{sc}	2.94	0.34	0.17	0.31
7/8" HP2+	3.13	0.32	0.21	0.39
7/8" HP2+sc	3.03	0.33	0.16	0.31
1" HP2 _{MAX}	3.33	0.3	0.19	0.31
1" HP2max ^{sc}	3.33	0.3	0.14	0.19
1" HP3 _{max}	3.45	0.29	0.17	0.3
1" HP3 _{max} sc	3.45	0.29	0.12	0.19

FRENCH INSWING PATIO DOOR				
	R Value	NF	RC CERTIFI	ED
		U Factor	SHGC	VT
WITH WARM EDGE				
7∕8″ HP	2.86	0.35	0.17	0.32
⁷ ∕ ₈ ″ HP ^{sc}	2.94	0.34	0.13	0.25
⁷ /8" HP2+	3.13	0.32	0.17	0.31
⁷ /8" HP2+ ^{sc}	3.13	0.32	0.13	0.24
1" HP2 _{MAX}	3.33	0.3	0.15	0.24
1" HP2 _{MAX} SC	3.33	0.3	0.11	0.15
1" HP3 _{max}	3.45	0.29	0.14	0.24
1" HP3 _{max} sc	3.45	0.29	0.1	0.15
WITH WARM EDGE+				
⁷ /8" HP	3.03	0.33	0.17	0.32
7∕8″ HPsc	3.03	0.33	0.13	0.25
⁷ / ₈ " HP2+	3.23	0.31	0.17	0.31
⁷ /8" HP2+ ^{SC}	3.13	0.32	0.13	0.24
1" HP2 _{MAX}	3.45	0.29	0.15	0.24
1" HP2 _{MAX} SC	3.45	0.29	0.11	0.15
1" HP3 _{MAX}	3.57	0.28	0.14	0.24
1" HP3 _{max} sc	3.57	0.28	0.1	0.15

HINGED PATIO DOOR				
	R Value	NF	RC CERTIFI	ED
		U Factor	SHGC	VT
WITH WARM EDGE				
⁷ ∕8″ HP	2.86	0.35	0.17	0.32
⁷ ∕8″ HP ^{sc}	2.94	0.34	0.13	0.25
⁷ / ₈ " HP2+	3.13	0.32	0.17	0.31
⁷ / ₈ " HP2+ ^{sc}	3.13	0.32	0.13	0.24
1" HP2 _{MAX}	3.33	0.3	0.15	0.24
1" HP2 _{MAX} SC	3.33	0.3	0.11	0.15
1" HP3 _{max}	3.45	0.29	0.14	0.24
1" HP3 _{max^{sc}}	3.45	0.29	0.1	0.15
WITH WARM EDGE+				
7/8" HP	3.03	0.33	0.17	0.32
7/8" HPsc	3.03	0.33	0.13	0.25
7/8" HP2+	3.23	0.31	0.17	0.31
7/8" HP2+sc	3.23	0.31	0.13	0.24
1" HP2 _{MAX}	3.45	0.29	0.15	0.24
1" HP2 _{MAX} sc	3.45	0.29	0.11	0.15
1" HP3 _{max}	3.57	0.28	0.14	0.24
1" HP3 _{max} sc	3.57	0.28	0.1	0.15

FRENCH OUTSWING PATIO DOOR				
		NF	RC CERTIFI	ED
	R Value	U Factor	SHGC	VT
WITH WARM EDGE				
²∕,₀″ HP	3.03	0.33	0.17	0.32
⁷ ∕8″ HP ^{sc}	3.03	0.33	0.13	0.25
7/8″ HP2+	3.23	0.31	0.17	0.31
⁷ ∕ ₈ " HP2+ ^{sc}	3.23	0.31	0.13	0.24
1" HP2 _{MAX}	3.57	0.28	0.15	0.24
1" HP2 _{MAX} SC	⁰3.57	0.28	0.11	0.15
1" HP3 _{MAX}	3.70	0.27	0.13	0.24
1" HP3 _{max} sc	3.70	0.27	0.1	0.15
WITH WARM EDGE+				
²∕,₀″ HP	3.13	0.32	0.17	0.32
⁷ /8" HP ^{sc}	3.13	0.32	0.13	0.25
7/8" HP2+	3.33	0.3	0.17	0.31
7/8" HP2+sc	3.33	0.3	0.13	0.24
1" HP2 _{MAX}	3.70	0.27	0.15	0.24
1" HP2 _{MAX} SC	3.70	0.27	0.11	0.15
1" HP3 _{max}	3.85	0.26	0.13	0.24
1" HP3 _{max} sc	3.85	0.26	0.1	0.15

NOTE:

All units rated in accordance with NFRC 100/200 standards by a NAMI Accredited lab. Performance values reflect the performance of units tested with the following configuration: 3mm glass, no grilles and Warm Edge spacer system and Warm Edge+ spacer system. Optional Low-E glass packages are combined with capillary tubes to address performance needs in high altitude applications.

EXPLANATION OF GLASS PACKAGES





LOW-E GLASS PACKAGES

Our Low-E glass packages combine Low-E and WarmEdge spacer options, providing insulating glass options to meet your specific needs. Our Low-E glass packages provide better performance in regions with hot summers and cold winters. Our Low-ESC (solar cooling) glass packages are optimized for regions with significant indoor cooling and glare reduction requirements. Our Low-E glass packages can be combined with capillary tubes to address performance needs in high elevation applications.

Low-E — Dual-pane with one lite of Low-E

 ${\sf Low-E^{sc}-Dual-pane}$ with one lite of solar cooling ${\sf Low-E}$

Low-E2+ — Dual-pane with one lite of Low-E and one lite of Interior Surface Low-E

Low-E2+ $^{\rm sc}$ — Dual-pane with one lite of solar cooling Low-E and one lite of Interior Surface Low-E

 ${\sf Low-E^{PS}-Dual-Pane}$ with one lite of Passive Solar Low-E

Low-E2+PS — Dual-Pane with one lite of Passive

R VALUE: Restrictive ambient air flow U FACTOR: Rate of heat loss SHGC: Solar Heat Gain Coefficient VT: Visible Transmittance



HP GLASS PACKAGES

Our HP glass packages combine Low-E with argon gas fill and WarmEdge spacer options, providing high-performance insulating glass options to meet your specific needs. Argon is a safe, odorless, colorless gas, which is heavier or denser than air. When used in conjunction with Low-E glass, argon provides better insulation. That's because heat and cold do not pass through argon gas as easily as through air. Argon is nontoxic and presents no human health or environmental concerns. HP glass packages are also available in solar cooling (SC) glass packages for regions with significant indoor cooling and glare reduction requirements.

HP — One lite of Low-E and argon gas fill

 $\mathrm{HP^{sc}}$ — One lite of solar cooling optimized Low-E and argon gas fill

HP2+ — One lite of Low-E and one lite of Interior Surface Low-E with argon gas fill

 $\rm HP2+^{sc}$ — One lite of solar cooling optimized Low-E and one lite of Interior Surface Low-E with argon gas fill

WHAT IS LOW-E?

Low-E glass has a secondary, very thin metallic dual layer coating. This allows the sun's heat and light to pass through the insulating glass, but, at the same time, actually works to reflect radiant heat back toward its source. Since Low-E coating reflects radiant heat waves, it helps keep your home warmer in the winter by trapping radiant heat and cooler in the summer by blocking it from your home. Low-E^{sc} is optimized for warmer climates by applying two heavier layers, through a patented process, resulting in blocking 73% of the sun's radiant heat from entering your home while providing superior insulation in cooler weather to save you energy year-round.

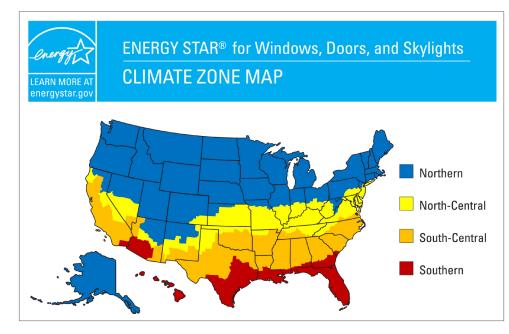
Our Interior Surface Low-E is engineered to have the characteristic window manufacturers and homeowners need most — lower U-Factor— and is applied to the surface of the glass you can touch inside your home, providing increased comfort and improved energy savings. One major benefit is a decrease in U-Factor of approximately 0.04, improving the energy efficiency so that many of our doors and windows meet new energy codes and ENERGY STAR* zone requirements. The neutral color with low haze and ultra-smooth surface of our Interior Surface Low-E provides a clearer view of the outdoors and can be cleaned with common household glass cleaners. No special instructions. Our Interior Surface Low-E is durable and scratch-resistant.



NATURAL LIGHT WITHOUT THE GLARE

Ply Gem's Low-E glass has many advantages such as minimal visible darkening. Our glass minimizes interior glare, reducing eyestrain and making it easier to watch television or look at a computer screen when bright sunlight fills a room.

ENERGY STAR® VERSION 7.0



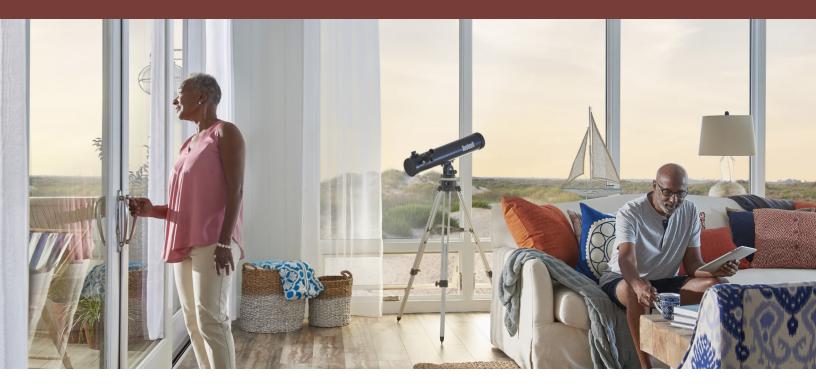
Ply Gem MIRA Aluminum-Clad Wood windows and patio doors can be configured to meet a specific ENERGY STAR zone in all states. Your investment in ENERGY STAR products will pay for itself over time in reduced energy bills, not to mention increase the comfort level inside your home.

ENERGY STAR Version 7.0 - Effective Date 10/23/2023





GLASS OPTIONS, SCREENS & IMPACT RATED INFO



· Laminated

(security)

Sound Package

(laminated)

GLASS OPTIONS

• HP2+

HP^{PS}

HP2+^{sc}

HP2+^{PS}

• HP2мах

HP2MAX^{SC}

- Low-E
- Low-E^{sc}
- Low-E2+
- Low-E2+^{sc}
- HP
- HP^{sc}
- * Tempered glass is standard on sliding patio doors.

NOTE: Low-E glass packages available to address high altitude applications. Not all glass options are available on all products. See page 25 for explanation of glass packages. Contact your Ply Gem Windows & Doors sales representative for a full list of MIRA Aluminum-Clad Wood glass thickness options and performance values.

• HP3мах

• Tinted

• HP3max^{SC}

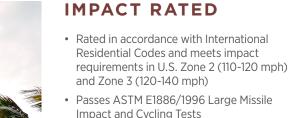
Obscure

Tempered*

Black Spandrel

SCREENS

Color-matched full-length aluminum frames with Optimal Viewing screens improve your view without sacrificing strength and durability. Sliding patio door screens are equipped with stainless steel rollers for smooth operation. FlexScreens, which come standard for casements and awnings, hide in the window screen pocket which improve sight lines and eliminate the need for color matching the metal frame.

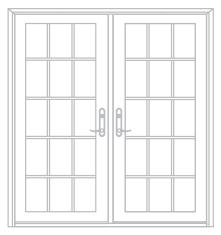


- Meets AAMA/WDMA/CSA 101/I.S.2/A440 standards. Florida Building Commission approved
- Meets wind-borne debris specifications for large missile D (8' missile for Impact Zone 3 at 50 ft/sec) and small missile C (4' missile for Impact Zone 2 at 40 ft/sec)
- Double hung units are constructed to meet LC50 rating
- Casement units feature corrosion-resistant coastal hardware
 and are constructed to meet LC60 rating
- French outswing patio doors feature corrosion-resistant coastal hardware in bright brass, satin nickel, or oil-rubbed bronze finishes and are constructed to meet LC50 rating



GRILLE PATTERN & STYLES

STANDARD GRILLE PATTERNS



Colonial



Prairie





Plaza

Perimeter Prairie

GRILLE STYLES





GBG









⁷⁸" Full Surround Removable

GBG = Grilles-Between-the-Glass SDL = Simulated-Divided-Light

Visit plygem.com/MIRA for optional grille patterns.

EXTERIOR COLORS



StandardCollection

Our standard colors are as durable as they are beautiful. Choose from three eye-catching hues.





SignatureCollection

From subtle shades to vibrant hues, Signature colors offer a full spectrum of fresh choices. Choose from 32 colors.





RadianceCollection

Our pearlized color process produces rich color with a metallic sheen. Colors become more vivid in bright light. Choose from 11 colors.





CustomOptions

There's no limit to your color palette with Ply Gem. If you've got a particular color in mind that we don't offer, bring in a sample and we'll match it.

EXTERIOR CASING OPTIONS



*Available on non-curved shaped windows and doors only.

ARCHITECTURAL SHAPES









DOOR HARDWARE OPTIONS*

HINGED PATIO DOORS



Traditional

Bright Brass



Traditional Antique Brass



White

a

Contemporary **Brushed Chrome**

* French outswing impact patio door handles feature PVD (coastal) finishes and are only available in traditional style, and in bright brass, satin nickel and oil-rubbed bronze.



Traditional Satin Nickel

Contemporary

Satin Nickel



Traditional Oil Rubbed Bronze



Contemporary Black

SLIDING PATIO DOORS



Bright Brass

Antique Brass



Oil Rubbed Bronze







It's more than a window or door. It's a whole new point of view.







plygem.com/windows-doors

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