



VINYL WINDOWS -
PLY GEM 1500
COLOR: BLACK



METAL FRENCH DOORS - PLY GEM
MIRA SERIES
PATIO DOORS - COLOR: BLACK



METAL DOOR -
PLY GEM MIRA SERIES
PATIO DOOR - COLOR: BLACK



METAL DOOR -
PLY GEM MIRA SERIES
PATIO DOOR - COLOR: BLACK



ALUMINUM STOREFRONT WITH
UPGRADED PRESSURE PLATE -
EFCO 5600 - PROFILE 6337
COLOR: CUSTOM BAKED



WELDED WIRE METAL RAILING



WOOD RAILING
(ACTUAL COLOR NOT
REPRESENTED/SEE ELEVATIONS
FOR DESIGN)



SCREENED BALCONYS
(ACTUAL COLOR NOT
REPRESENTED/SEE ELEVATIONS
FOR DESIGN)



COMPOSITE WOOD BRACKET,
PAINTED
(ACTUAL COLOR NOT
REPRESENTED)





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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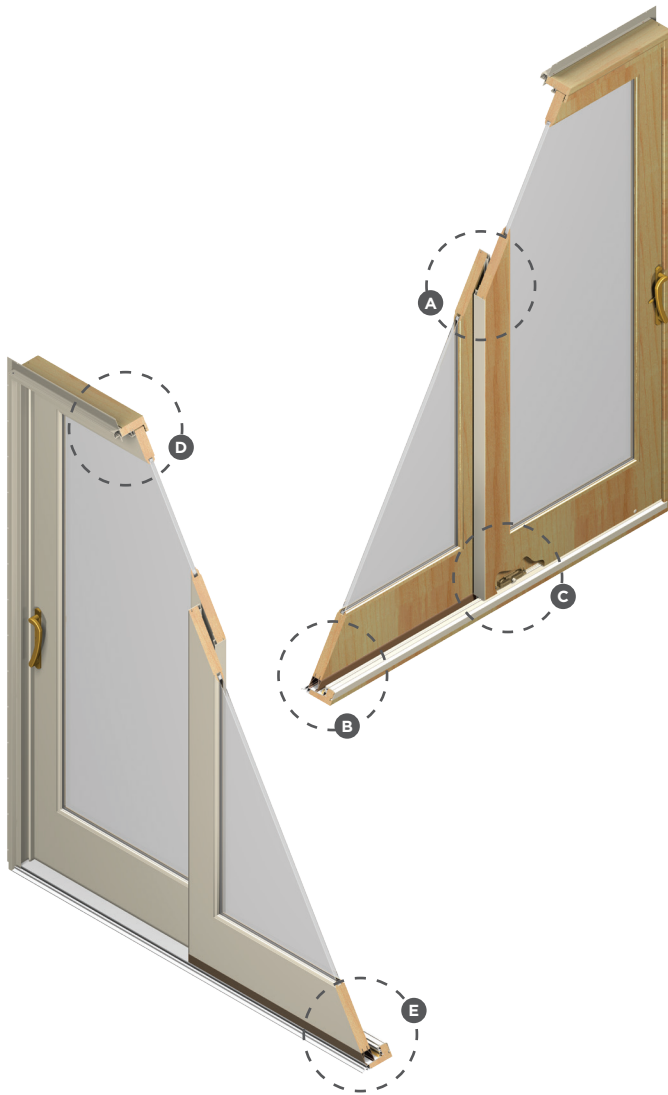
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FRENCH SLIDING PATIO DOOR

MIRA Aluminum-Clad Wood French Sliding Patio Doors offer timeless style in a space-saving sliding configuration. This premium patio door features 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 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 ½" tall finseal weatherstripping for increased protection against leaks for reduced air infiltration
- 2-point locking system
- 1 ¾" panels with wide stiles and rails for a true French look
- 4 ⅝" 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

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 over the full height of the door for reduced air infiltration



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



Stainless steel rollers for smooth operation and long-lasting performance



Accessory grooves for mulling and casing application



Hollow and foam filled bulb weatherstripping for increased protection against leaks



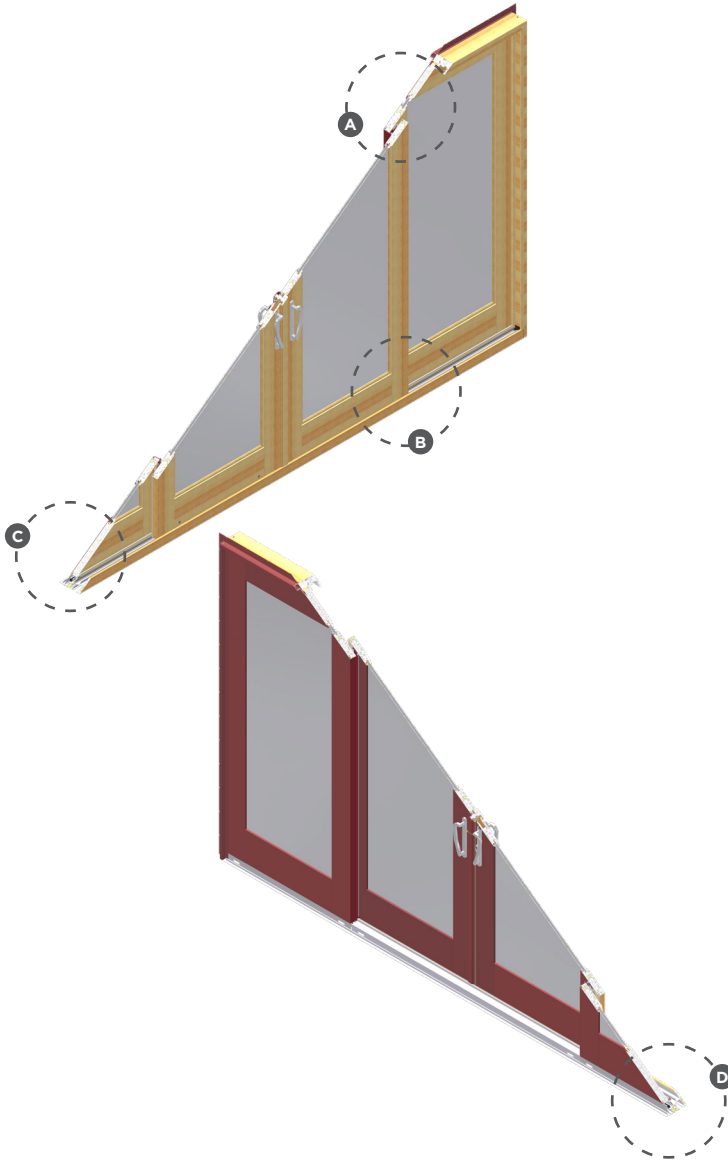


BI-PARTING SLIDING PATIO DOOR

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



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 ¾" 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



Stainless steel rollers for smooth operation and long-lasting performance

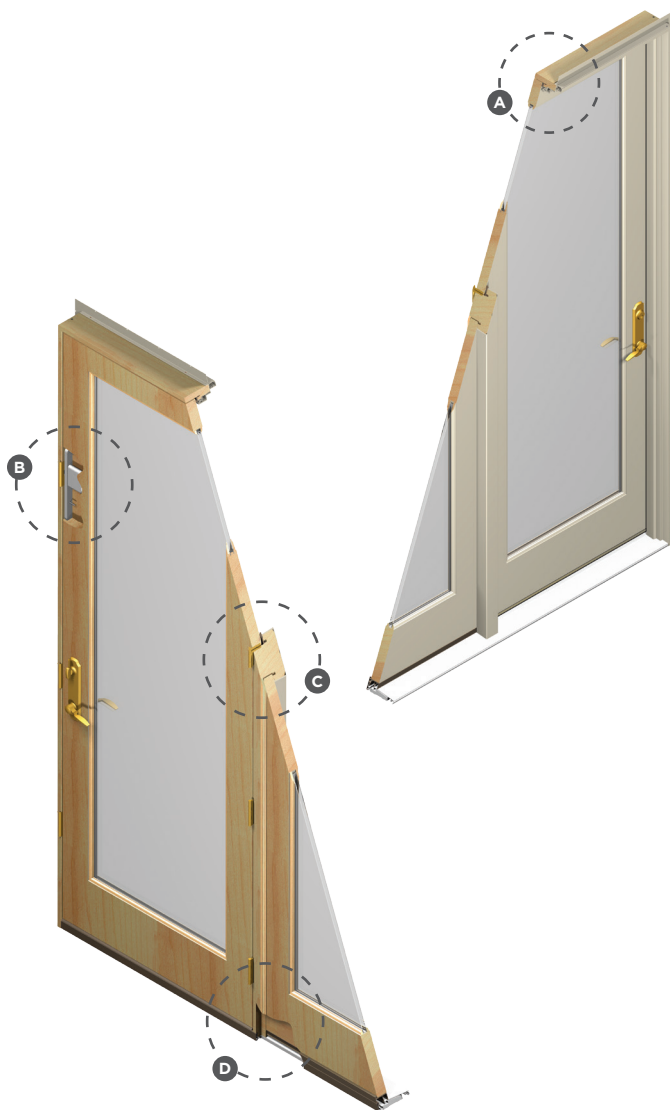


Hollow and foam filled bulb weatherstripping for increased protection against leaks



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 full-perimeter weatherstripping, our attention to energy-efficiency is unmatched, while details like 1½" center mulls mean these doors are as sturdy as they are beautiful.



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
- $\frac{3}{4}$ " panels with wide stiles and rails for a true French look
- 4 $\frac{9}{16}$ " 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 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.

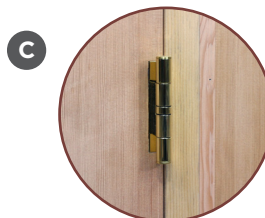
3. Impact Rated units are available in select sizes and configurations.



Integral face groove allows for easy mulling and exterior accessory application



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



Adjustable hinges are standard for smooth operation



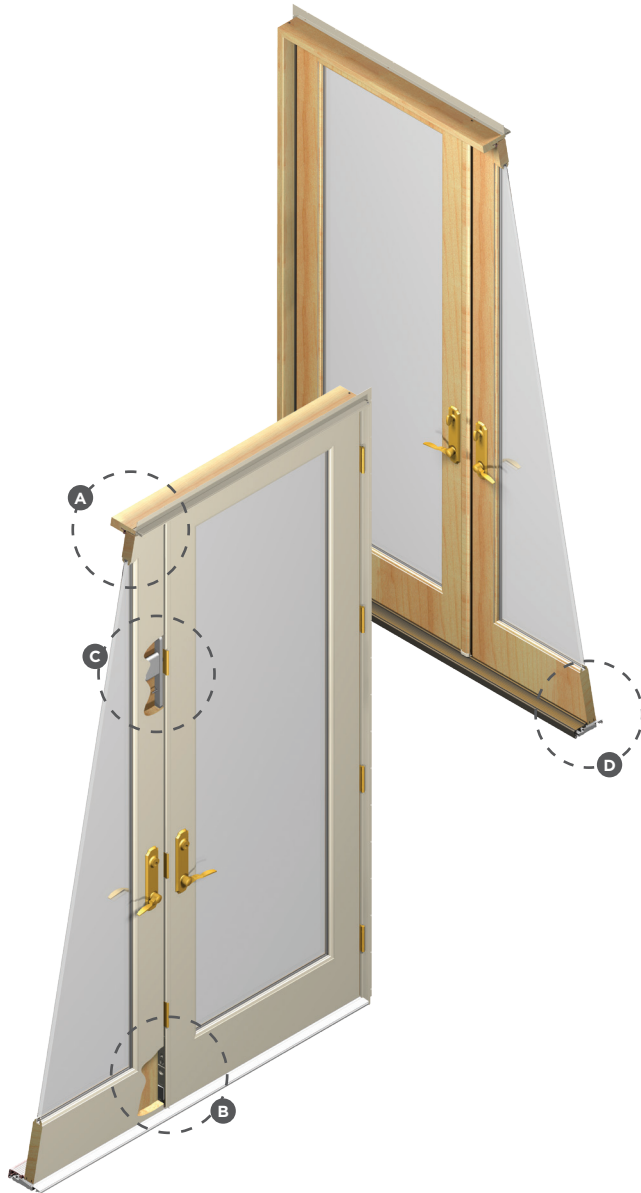
Center mull is integrated into the sill design for higher structural performance



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 3/4" panels with wide stiles and rails for a true French look
- 4 5/16" 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 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

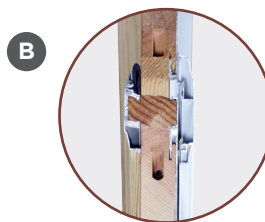
1. HP glass combines Low-E with argon gas fill for high performance.

2. Available option.

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 1 $\frac{3}{4}$ " 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.

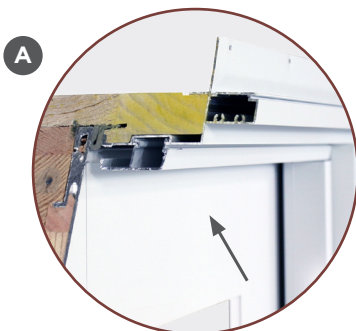


STANDARD FEATURES

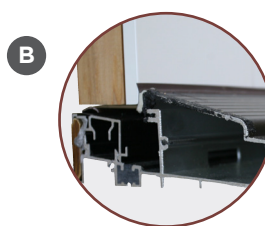
- Adjustable hinges are standard for smooth operation
- Handle activated shoot bolts at the head and sill for added security
- Aluminum sill deck to prevent sag and resist dents
- Aluminum astragal with stainable wood interior
- Full-perimeter weatherstripping for air-tight performance and smooth operation
- Multi-point lock system
- 1 3/4" panels with wide stiles and rails for a true French look
- 4 5/16" 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 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.



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

NFRC THERMAL PERFORMANCE DATA

BI-PARTING & FRENCH SLIDING PATIO DOOR

	R Value	NFRC CERTIFIED		
		U Factor	SHGC	VT
WITH WARM EDGE				
7/8" 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" HP2 _{MAX}	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" HP2 _{MAX} ^{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	NFRC CERTIFIED		
		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" 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}	3.13	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	NFRC CERTIFIED		
		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" 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}	3.45	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

	R Value	NFRC CERTIFIED		
		U Factor	SHGC	VT
WITH WARM EDGE				
7/8" 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}	3.57	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+				
7/8" 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

Low-E^{SC} — Dual-pane with one lite of solar cooling Low-E

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

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

Low-E^{PS} — Dual-Pane with one lite of Passive Solar Low-E

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



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

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

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

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

LOW-E & ENERGY STAR

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.

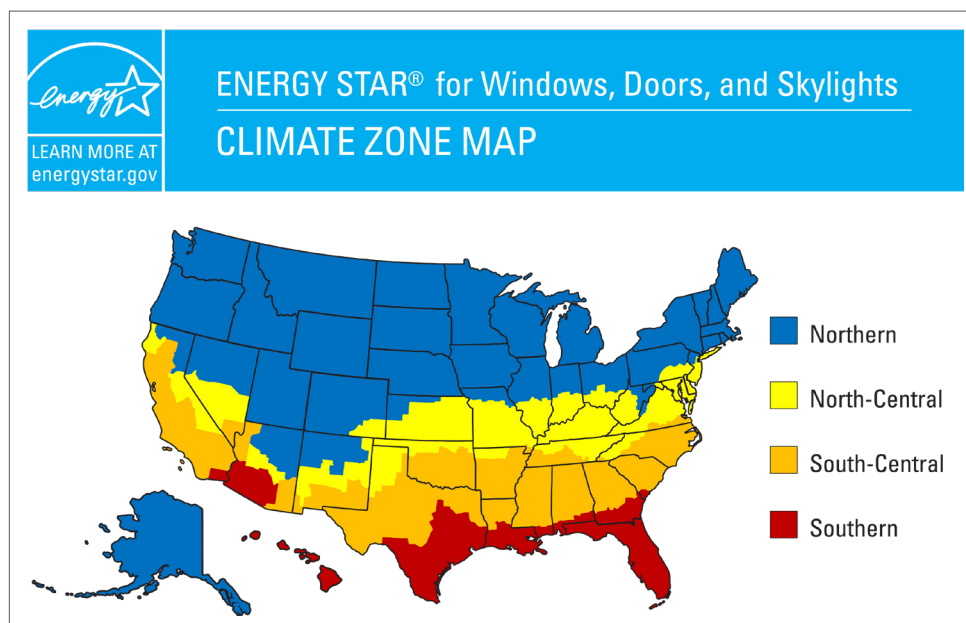
Our *Interior Surface Low-E* is engineered to have the characteristic window manufacturers and homeowners need most — lower U-Factor— and is applied to the surface of the glass you can touch inside your home, providing increased comfort and improved energy savings. One major benefit is a decrease in 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



GLASS OPTIONS

- Low-E
- Low-E^{SC}
- Low-E2+
- Low-E2+^{SC}
- HP
- HP^{SC}
- HP2+
- HP2+^{SC}
- HP^{PS}
- HP2+^{PS}
- HP2^{MAX}
- HP2^{MAX}^{SC}
- HP3^{MAX}
- HP3^{MAX}^{SC}
- Tinted
- Obscure
- Black Spandrel
- Tempered*

* 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.

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.

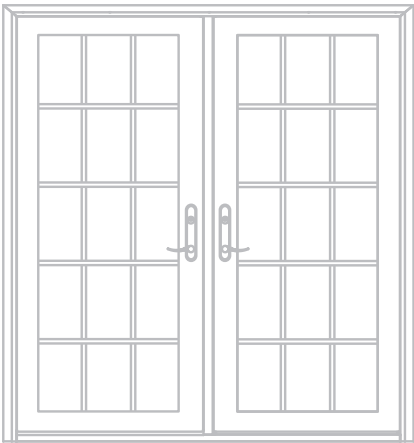
IMPACT RATED

- Rated in accordance with International Residential Codes and meets impact requirements in U.S. Zone 2 (110-120 mph) and Zone 3 (120-140 mph)
- Passes ASTM E1886/1996 Large Missile Impact and Cycling Tests
- 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

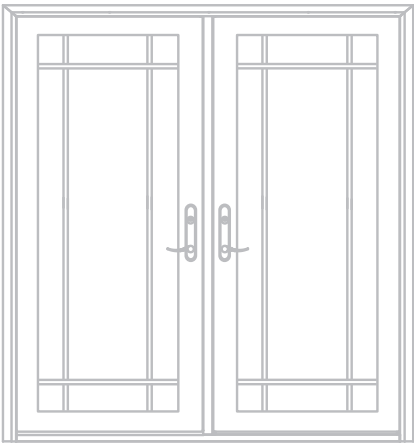


GRILLE PATTERN & STYLES

STANDARD GRILLE PATTERNS



Colonial



Prairie



Plaza



Perimeter Prairie

GRILLE STYLES



5/8" Flat GBG



7/8" Flat GBG



5/8" Sculptured
GBG



1" Contoured
GBG



7/8" SDL



1 1/4" SDL



7/8" Full Surround
Removable

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

Visit plygem.com/MIRA for optional grille patterns.



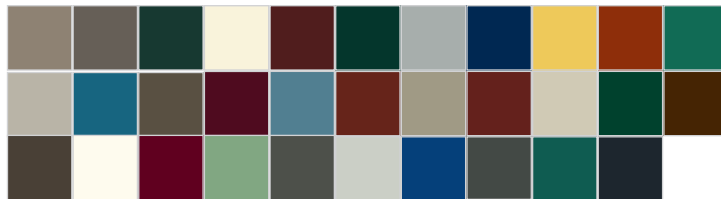
THE **Standard**Collection

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



THE **Signature**Collection

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



THE **Radiance**Collection

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

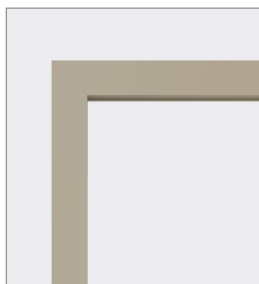


GET **Custom**Options

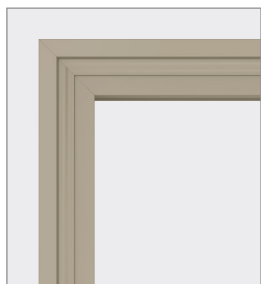
There's no limit to your color palette with Ply Gem. If you've got a particular color in mind that we don't offer, bring in a sample and we'll match it.

EXTERIOR CASING, SHAPES & HARDWARE

EXTERIOR CASING OPTIONS



J-Channel*



180 Brick Mould



3/4" Williamsburg*



3 1/2" Flat*

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

ARCHITECTURAL SHAPES



Elliptical



Rectangle



Arch Transom



Circle Head

DOOR HARDWARE OPTIONS*

HINGED PATIO DOORS



Traditional
Bright Brass



Traditional
Antique Brass



Traditional
Satin Nickel



Traditional
Oil Rubbed Bronze



Contemporary
White



Contemporary
Brushed Chrome



Contemporary
Satin Nickel



Contemporary
Black

SLIDING PATIO DOORS



Bright Brass



Antique Brass



Satin Nickel



Oil Rubbed Bronze

* 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.



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





plygem.com/windows-doors



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PART OF THE CORNERSTONE BUILDING BRANDS FAMILY | SIDING + ACCESSORIES | WINDOWS + DOORS | STONE VENEER | TRIM + MOULDINGS | FENCE + RAILING



1500VinylCollection

Single Hung Windows

BUILDER



Building choice into every view.

1500 Single Hung Windows



When you build a lot of homes, you expect a lot from your windows. Quality. Performance. Value. A company you can count on. Our new 1500 vinyl windows offer all that and more, including a full range of options to meet your every need.

Frame Options



Brickmould



Beveled



Flat

Window Anatomy

Multi-chamber construction with fusion-welded sash and frame

7/8" or 1" dual or triple pane insulated glass with Warm Edge spacer saves energy

Sloped sill drains water away from home exterior

Integral J-channel for simple, secure siding installation (optional double utility trim)



Upgrade your view

- High performance in a builder's window
- Traditional or contemporary frame design
- SDL or GBG grilles
- Sizes to meet your need
- Egress Size: 3050SH, 4040SL
- Limited Lifetime Warranty

Color options

Solid Vinyl Colors



Co-extruded Colors



Grille types

Also available with no grilles.

GBG Grilles



3/4" Flat or
5/8" Sculptured

SDL Grilles



7/8" or 1 1/4" SDL
with Shadow Bar

Glass options

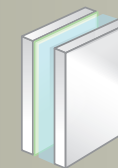
Compare U-Factor ratings

Low-E



7/8" Low-E	.35	SHGC .27
One lite of Low-E		
7/8" Low-E ^{sc}	.35	SHGC .22
One lite of solar cooling Low-E		
7/8" Low-E2+	.30	SHGC .27
One lite of Low-E and one lite of Interior Surface Low-E		

Low-E with Argon



7/8" HP	.31	SHGC .27
One lite of Low-E with argon		
7/8" HP ^{sc}	.31	SHGC .22
One lite of solar cooling Low-E with argon		
7/8" HP2+	.27	SHGC .26
One lite of Low-E and one lite of Interior Surface Low-E with argon		
HP2+ ^{PSL}	.29	SHGC .50
One lite of passive solar low-E and one lite of Interior Surface Low-E with argon		

Triple-
Glazed



7/8" HP2 _{Max}	.27	SHGC .26
Two lites of Low-E with two chambers of argon		
7/8" HP3 _{Max}	.24	SHGC .23
Two lites of Low-E, two chambers of argon, one lite of Interior Surface Low-E		

Values reflect 3050 call size brickmould non-drywall glazed single window with 3mm glass, WarmEdge Spacer, no grilles. Beveled frame thermal values may differ slightly.

easyinstall

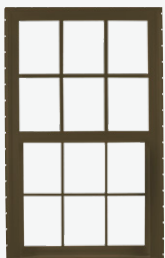
for a quick, correct fit

- Alignment clips
- Double utility trim
- Integral J-channel
- Jamb extensions or drywall receiver options
- Accessory grooves
- Protective construction film

Window Highlights



Optional
LC 50
upgrade
available in
limited sizes



Exterior



Interior



Jamb Alignment Clips

Aligns and holds frame in place during installation; enables one person to center smaller windows.



Removable Meeting Rail

Patented meeting rail anchor makes removing rail simple; ideal for drywall applications.

Patent #: 9624713



Integral Mulls

Twins and triples with continuous head and sill frame allows a mix of operating and fixed windows.

Patent #: 9038333



Interlocking Sash

Sash locks tightly together to help keep out intruders and inclement weather.



Forced Entry Resistant Locks

Enhanced security locks meet tough AAMA forced entry requirements. ADA accessible and auto-lock options available.



ADA Accessible Lock



Auto Lock

1. Limited 10-year warranty for co-extruded color windows.



Building choice
into every view

WindowSpecs

FRAME

3 1/2" dual wall brickmould frame depth
2 7/8" beveled frame depth
1 3/8" integral nail fin set back
Optional 1/2" flush flange for block installs
Optional 3 1/2" flat casing for rectangles and arches
Optional double utility trim simplifies siding installation
Custom and traditional sizing to meet your needs
Integral J-pocket simplifies siding installations
Interior/exterior accessory grooves
Sloped sill for water management
Screen clip Patent #: 61738783
Mixed operating and fixed integral mulls Patent #: 9038333
Easy to remove meeting rail Patent #: 9624713

SASH

Interior glazed top glass
Exterior glazed bottom glass
Interlocking sash with dual pile weatherstripping
Inverted block & tackle or constant force coil balances
Recessed tilt-latch
Dual lift rails for easy operation
Half screens (shipped separately)

GLASS

Double: Low-E, Low-E^{SC}, Low-E2+, Low-E2+^{SC}, HP, HP^{SC}, HP2+, HP2+^{SC}, LE2+^{PSL} and HP2+^{PSL}
Triple: HP2_{MAX}, HP2_{MAX}^{SC}, HP3_{MAX}, HP3_{MAX}^{SC}
Optional Warm Edge+ spacers
Configurable STC values up to 35
Impact, tempered, obscure and rain options
Bronze Tempered Tint, Grey Tint and Black Spandrel options

GRILLES

GBG (Grilles Between Glass): 3/4" Flat or 5/8" Sculptured
SDL (Simulated Divided Lite): 7/8" or 1 1/4" with Shadow Bar
Colonial, Plaza, Prairie, Diamond, Gothic patterns available

LOCKS

Standard forced entry resistant cam lock
Self-latching forced entry resistant auto-lock option
ADA accessible forced entry resistant auto-lock option

PERFORMANCE CERTIFICATIONS



FLORIDA APPROVED

For a list of Ply Gem's Florida approved products visit floridabuilding.org.



CANADIAN STANDARDS ASSOCIATION
CERTIFIED

TDI TEXAS DEPARTMENT OF INSURANCE

		NAFS Product Performance								Housing Performance	
Product Type	Test Unit Size (inches)	Overall Rating	Air Infiltration (scfm/ft²)	Air Exfiltration (scfm/ft²)	Water Pressure (psf)	Structural Pressure (psf)	Test Standard(s)	Florida Approval	TDI Approval	AAMA 1701.2 Wind Zone	AAMA 1704 Egress Rated
Single Hung	36 x 62	H-LC35	0.17	0.16	5.43	+35/-35	NAFS 05, 08, 11	FL16103	WIN-1769		
	35.5 x 73.5	H-LC30	0.17	0.16	4.59	+30/-30	NAFS 05, 08, 11	FL16103			
	40 x 72	H-LC25	0.13	0.11	3.76	+35/-35	NAFS 05, 08, 11	FL16103	WIN-1769	WZ II	Yes
	44 x 77.125	H-LC25	0.13	0.11	3.76	+25/-25	NAFS 05, 08, 11	FL16103	WIN-1769	WZ I	Yes
	35.5 x 73.5	H-LC35	0.17	0.16	7.52	+35/-35	NAFS 05, 08, 11	FL16103			
	36 x 74	H-LC50	0.13	0.11	7.52	+50/-50	NAFS 05, 08, 11	FL16103	WIN-1769	WZ III	Yes
	44 x 77.125	H-LC35	0.13	0.11	5.43	+40/-40	NAFS 05, 08, 11	FL16103	WIN-1769	WZ III	Yes
	35.5 x 61.5	H-LC50	0.17	0.16	7.52	+55/-55	NAFS 05, 08, 11	FL16103			
	36 x 74	H-LC35	0.17	0.16	5.43	+35/-35	NAFS 05, 08, 11	FL16103	WIN-1769	WZ II	Yes
	36 x 74	H-LC50	0.17	0.16	7.52	+50/-50	NAFS 05, 08, 11	FL16103		WZ III	Yes
	36 x 84	H-LC50	0.11	0.06	7.52	+50/-50	NAFS 05, 08, 11	FL16103	WIN-1769	WZ III	Yes
	40 x 72	H-LC50	0.11	0.05	7.52	+50/-50	NAFS 05, 08, 11	FL16103	WIN-1769	WZ III	Yes
	44 x 77.125	H-LC40	0.11	0.05	7.52	+40/-40	NAFS 05, 08, 11	FL16103	WIN-1769	WZ III	Yes
	48 x 72	H-LC50	0.11	0.06	7.52	+50/-50	NAFS 05, 08, 11	FL16103	WIN-1769	WZ III	Yes
	48 x 96	H-LC30	0.11	0.06	7.52	+30/-35	NAFS 05, 08, 11	FL16103	WIN-1769	WZ I	Yes
	52.125 x 62	H-LC50	0.28	0.19	7.52	+50/-50	NAFS 05, 08, 11	FL16103	WIN-1769		
	53 x 77.125	H-LC40	0.28	0.19	7.52	+40/-40	NAFS 05, 08, 11	FL16103	WIN-1769	WZ III	Yes
	53 x 77.125	H-LC50	0.28	0.19	7.52	+50/-50	NAFS 05, 08, 11	FL16103	WIN-1769	WZ III	Yes
Integral Mull (Twin)	38 x 77.125	H-LC50	0.11	0.05	7.52	+50/-60	AAMA 506-06, 08	FL16103	WIN-1771	NA	NA
	52.125 x 62	H-LC50	0.28	0.19	7.52	+50/-60	AAMA 506-06, 08	FL16103		NA	NA
	52.125 x 71	H-LC50	0.28	0.19	7.52	+50/-50	AAMA 506-06, 08	FL16103			
	71.5 x 73.5	H-R25	0.17	0.14	3.76	+40/-40	NAFS 05, 08, 11	FL16100		WZ II	Yes
	72.5 x 74	H-LC25	0.18	0.15	3.76	+35/-35	NAFS 05, 08, 11	FL16100			
	71.5 x 73.5	H-R50	0.17	0.14	7.52	+50/-50	NAFS 05, 08, 11	FL16100			
Integral Mull (Triple)	71.5 x 73.5	H-LC35	0.26	0.17	5.43	+35/-35	NAFS 05, 08, 11	FL16100		WZ II	Yes
	71.5 x 73.5	H-LC50	0.26	0.17	7.52	+50/-55	NAFS 05, 08, 11	FL16100		WZ III	Yes
	76.125 x 65.125	H-R50	0.30	0.30	7.52	+50/-50	NAFS 05, 08, 11	FL16100			
	81 x 72	H-LC50	0.18	0.16	7.52	+50/-50	NAFS 05, 08, 11	FL16100		WZ III	Yes
	84.25 x 77.125	H-LC40	0.18	0.16	7.52	+40/-40	NAFS 05, 08, 11	FL16100		WZ III	Yes
	81 x 72	H-LC50	0.18	0.16	7.52	+50/-50	NAFS 05, 08, 11	FL16100		WZ III	Yes
Integral Mull (Triple)	84.25 x 77.125	H-LC40	0.18	0.16	7.52	+40/-40	NAFS 05, 08, 11	FL16100		WZ III	Yes
	107.5 x 73.5	H-R25	0.17	0.14	3.76	+40/-40	NAFS 05, 08, 11	FL16100			
	109 x 74	H-LC25	0.18	0.15	3.76	+35/-35	NAFS 05, 08, 11	FL16100		WZ II	Yes
	107.5 x 65.5	H-LC50	0.26	0.17	7.52	+50/-50	NAFS 05, 08, 11	FL16100			
	107.5 x 73.5	H-LC35	0.26	0.17	5.43	+35/-35	NAFS 05, 08, 11	FL16100		WZII	Yes
	107.5 x 73.5	H-LC50	0.26	0.17	7.52	+50/-55	NAFS 05, 08, 11	FL16100		WZ III	Yes
	114.625 x 65.125	H-R40	0.30	0.30	6.06	+40/-45	NAFS 05, 08, 11	FL16100		WZ III	Yes
	114.625 x 65.125	H-R45	0.30	0.30	7.52	+45/-50	NAFS 05, 08, 11	FL16100			
Integral Mull (Triple)	121 x 77.125	H-LC45	0.16	0.14	7.52	+45/-45	NAFS 05, 08, 11	FL16100		WZ III	Yes

	Compression Tape Glazing
	Two-Sided Tape Glazing
	Impact Rated

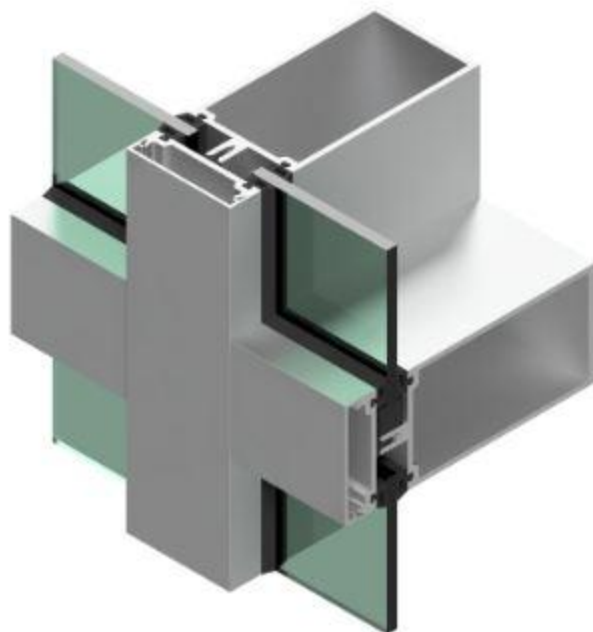
Test Standards

AAMA/WDMA/CSA 101/LS.2/A440-05 (NAFS-05)
AAMA/WDMA/CSA 101/LS.2/A440-08 (NAFS-08)
AAMA/WDMA/CSA 101/LS.2/A440-11 (NAFS-11)
AAMA 506-06





5600 2-1/4" Curtain Wall System



Products like EFCO 5600 2-1/4" Curtain Wall:



XTherm 5600 2-1/2" Curtain Wall



XTherm 5600 2-1/4" Curtain Wall



Keeping Comfort In and Condensation Out.

THERMALLY ENHANCED / THERMALLY BROKEN

SPECIFIED FOR THERMAL EFFICIENCY. PROVEN IN THE FIELD.

The EFCO 2-1/4" 5600 curtain wall is the benchmark for value and performance in a pressure-wall system.



It is offered in a range of system depths and face covers to meet any design specification. Center-tongue outside glazed configurations and offset-tongue inside glazed configurations allow the system to meet the need for labor savings. Available with roll-on horizontals in shear block applications provides decreased fabrication and installation labor, and concealed fasteners.

EFCO 5600 2-1/4" Curtain Wall features:

- Outside glazed
- Inside glazed
- 2 or 4-sided structural glazed
- Slope glazed
- Screw spline construction
- Concealed shear block construction
- Accommodates up to 1-5/16" glazing

Enhancing a variety of design styles, durable anodized and painted finishes provide long-lasting protection and a wide range of color choices.

5600 2-1/4" Curtain Wall System SPECIFICATIONS

 FACE WIDTH	 DEPTH	 AIR	 WATER	 STRUCTURAL
2-1/4"	5", 6", 7", 8", 9", 10"	<0.06 CFM/SF	15 PSF Static 15 PSF Dynamic	80 PSF 120 PSF Overload
 GLASS	 U-FACTOR	 CRF	 ACOUSTIC	 IMPACT RESISTANCE
Up to 2-1/4"	ALUMINUM PP: 0.37 - 0.58	63	STC: 33-46 OITC: 29-38	N/A

Listed performance dependent on glass selection. Specific details found in test data. Contact your sales representative for more information. Product performance information subject to change.