



**DURALUMi**  
BY MAGNOLIA DOORS

# ***VISION MAX***

ULTRA SLIM FRAME  
WINDOWS & DOORS

**DURALUMI  
LOVE THE FRAMELESS**



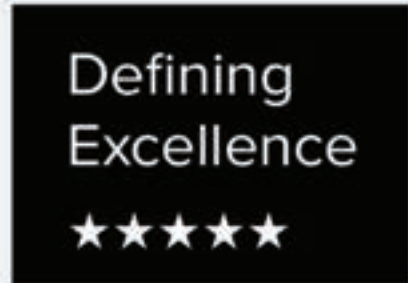
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**2025.05 PRODUCT GUIDE**

# THE DURALUMI PORTFOLIO

Duralumi – a naming philosophy that infuses the soft radiance of "Love" into the rational framework of "Window" – stands not merely as the brand's spiritual totem, but fundamentally encodes the DNA of its entire product matrix.

*“Every Window Writes a Love Letter, Every Letter Tells a Story”*



## LANDMARK

BUILT TO INSPIRE,  
DESIGNED TO ENDURE.

—

This collection represents a milestone compilation of iconic products, with the initial generation primarily inheriting the classic designs of our parent company, Duralumi Windows Inc, including...



## URBAN GROVE

WHERE URBAN LIFE MEETS NATURAL  
BEAUTY.

—

The urban grove series is the signature collection of Duralumi's wooden windows.



## VISION MAX

LOVE THE FRAME LESS.

—

The vision max series lives up to its name by maximizing your view through the minimalism of window and door frames. This innovative series represents our vision for the future of windows.



## ICONIX US

CELEBRATING THE WINDOWS THAT  
BUILT AMERICAN HOMES.

—

Featuring the timeless American classic crank opening window.



## NEO-GLIDE

INVISIBLE TRACKS AND FRAMES, VISIBLE  
EVOLUTION IN ROLLER SYSTEMS

—

This series introduces Duralumi's cutting-edge invisible-track sliding system, equipped with the industry-leading RollerSwap™ technology. The system integrates a 3mm micro-adjustment capability to accommodate diverse architectural structures while optimizing maintenance processes.



## DEFENDER

WHERE STORMS RAGE, SAFETY  
PREVAILS.

—

Specially designed for high-risk hurricane zones (e.g., southeastern coasts and islands), the Defender series features multi-layered tempered laminated glass + reinforced frames, rigorously tested to meet Miami-Dade County NOA standards for impact resistance, watertightness, and airtight performance.



## ORNATE SHIELD

YOUR HOME'S FIRST IMPRESSION  
DESERVES A MASTERPIECE.

—

The Ornate Shield series—custom entry doors designed exclusively for American homes—seamlessly blends architectural elegance with fortress-like security.



## WINDOW WALL

WHERE FUNCTIONALITY, SECURITY, AND  
BRAND VISIBILITY IMPERATIVES  
CONVERGE.

—

This series maximizes visual appeal and enhances containment attractiveness by adopting reinforced frames, fashionable frameless designs, and ultra-clear tempered glass.

# VISION MAX

## Series

The Vision Max series lives up to its name by maximizing your view through the minimalization of window and door frames. This innovative series represents our vision for the future of windows: a seamless fusion of aesthetics, cutting-edge technology, and breathtaking, expansive views.

Inspired by camera apertures, Vision Max windows feature a unique naming convention, such as F0 and F37, where “F” symbolizes the aperture. Just as an F0 aperture captures the most light in photography, the F0 window in Vision Max offers the ultimate in unobstructed views, flooding your space with natural light and delivering unparalleled clarity and openness.

As the renowned German-American architect Ludwig Mies van der Rohe once said, "Less is more." This philosophy of minimalism is at the core of Vision Max, where reducing the frame enhances both the beauty and functionality of the window.

With Vision Max, we invite you to embrace a lifestyle where minimalism meets the magnificence of expansive horizons. These windows do more than frame the view—they redefine it, transforming your home into a bright, open sanctuary that connects you with the world outside.

When you choose **Duralumi**, you not only get the quality, style, and performance that we've built our reputation on, but also exceptional service and support. Our exclusive Service 3.0 offers homeowners peace of mind, plus real added value.

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Vision Max F37 Swinging Door

Vision Max Stitch 20 Lift Sliding Door

Vision Max Ultimate 40 Multi-slide

Exterior Options

Glass + Glazing

Frame Options

Reinforced Joining System



# PERFORMANCE

## ● ENERGY-SAVING GLASS FOR ANY CLIMATE

Duralumi makes windows with options that make them ENERGY STAR® certified throughout Canada. Visit [duralumi.com/Canada-energystar](https://duralumi.com/Canada-energystar) for more information and to verify that the product with your glass option is ENERGY STAR certified in your area.



## ● KEEPS THE WEATHER OUT

Our weather-resistant construction and careful selection of weatherstrip by product type seal out drafts, wind, and water—whatever the weather.

## ● LOW MAINTENANCE, NEVER NEEDS PAINTING

The exteriors on Duralumi Urban Grove Series windows and patio doors offer superior weather resistance and are virtually maintenance-free.

## ● 20-YEAR TRANSFERABLE WARRANTY

Many other window and door warranties end when a home is sold, but our coverage—20 years on glass, 10 years on non-glass parts—transfers from each owner to the next. And because it is not prorated, the coverage offers full benefits year after year, owner after owner. So it can add real value when you decide to sell your home.



## ● FIVE-LAYER PACKAGING FOR ZERO DAMAGE

Every window is packed in five layers, including a custom, non-fumigated wooden crate, ensuring products arrive intact and ready for installation. Minimizing damage means fewer delays and cost overruns.



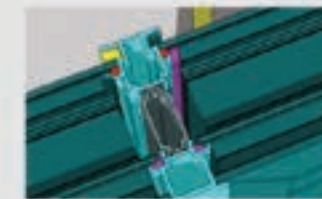
## ● LASER LEVEL AND TOOL KIT INCLUDED

Every order includes a laser level and installation tool kit, along with bilingual (English and Spanish) instruction manuals to ensure smooth installation.



## ● PATENTED SPLICING PIPE FOR EASY INSTALLATION

Our patented splicing pipe system allows for easy disassembly and reassembly of large windows, reducing transportation and installation complexity while lowering costs.



## ● 70% FASTER SORTING WITH TRACEABLE TAGS

Each window comes with a personalized traceable ID tag, making on-site sorting fast and efficient. This saves up to 70% of the time typically spent searching for products.



**Time-saving and cost-effective**

# PRODUCT OVERVIEW

More Flexibility To Meet Any Design Challenge.

Duralumi has an extensive selection of styles, sizes, shapes, and options.

## WINDOWS



FO Tilt Turn



F37 Tilt Turn



F20 Push-out Casement

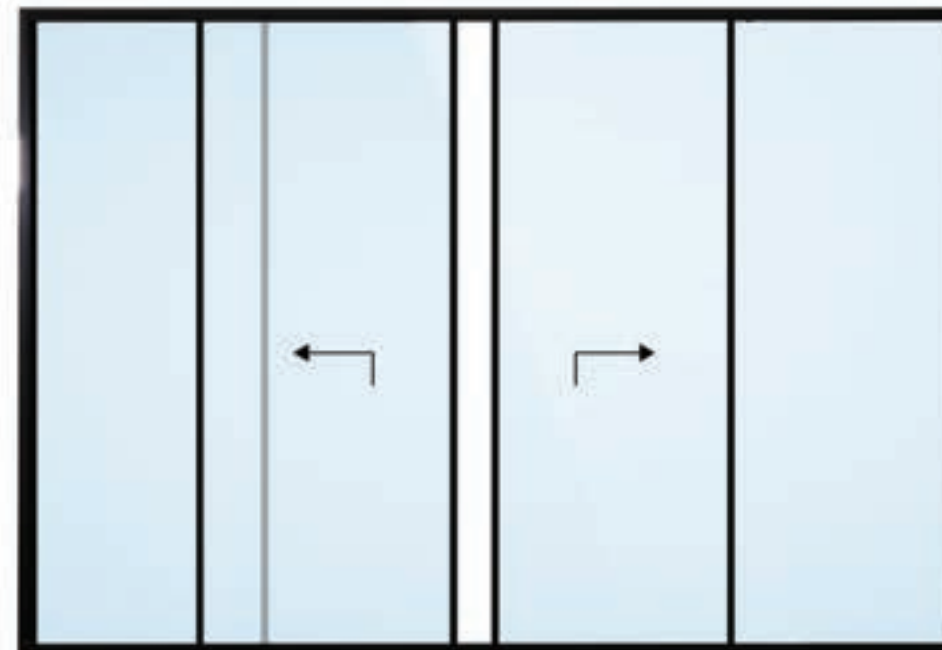


F10 Window Wall

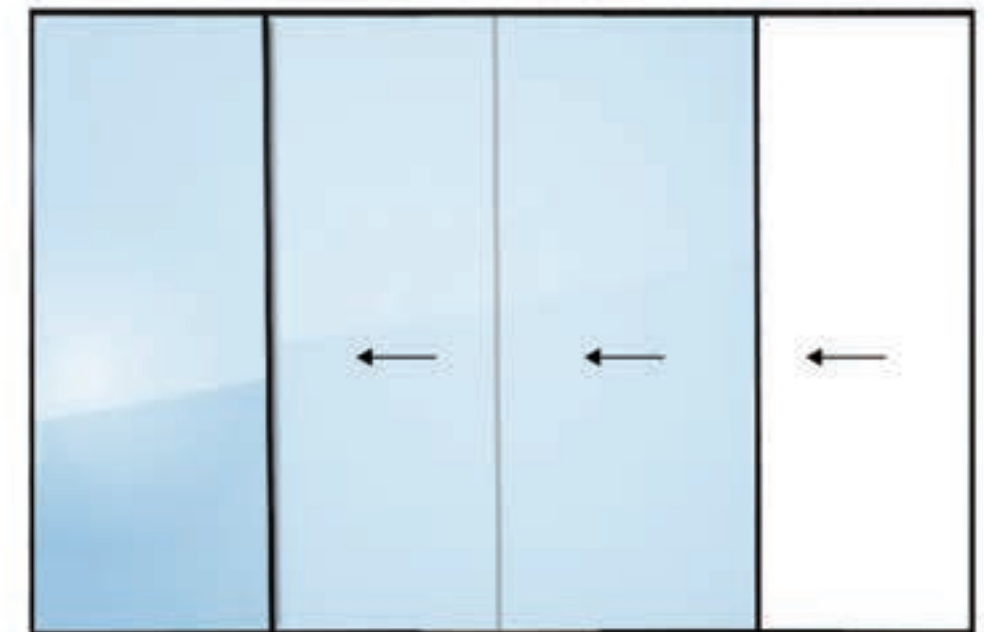
## DOORS



F37 Swinging Door



Stitch 20-Lift Sliding Door



Ultimate 40 Multi-Slide

*Where Slim  
Design Meets  
Grand Living.*

VISION MAX  
SERIES

## **F0 TILT TURN WINDOWS**

Our F0 Windows is a prime example of our commitment to innovation. Designed to offer larger views with smaller frames, it maximizes glass surface area to dramatically enhance light transmission and aesthetic appeal. Through patented technology, we create structural stability while achieving a near-frameless visual effect.

# **F0**



## **FO** **TILT TURN**

The sash is characterized by a structural glass with a 1¾" serigraphy in the inner side and full transparency outside. The internal opening at 180° is granted by totally invisible accessories and a handle directly fixed in the glass.



# 40%

*Up to 40% more light  
compared to  
a traditional window.*

*Nothing more.  
No profiles.  
No noise.*

## *Only Glass. Only Light.*

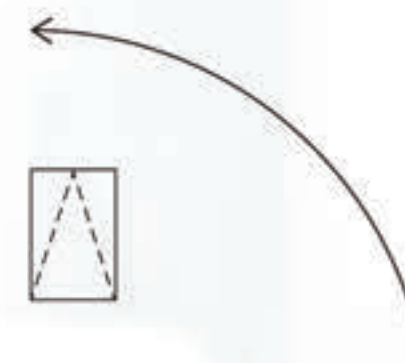


## FO TILT TURN

Step into a world of boundless views with our FO Windows—where the frame disappears to create a seamless connection between indoors and out. Designed for modern living, these windows maximize natural light, enhance your view, and transform your space into an open, airy sanctuary. Perfect for those who crave minimalist design and a true sense of openness.



**Tilt**



**Open**



**Lock**





## **FO**

### **TILT TURN**

A new concept of window is born. Every structural element of a traditional aluminum window and door has been eliminated for a complete view. A maximum exaltation of the beauty, thanks to the elegant transparency of the glass. Minimal lines for a combination of new technology and architectural design.

The fully glazed window, realized with a new technology, similar to structural facade, grant full transparency and brightness. External glass of  $\frac{1}{4}$ ",  $1\frac{1}{4}$ " spacer, middle glass of  $\frac{1}{4}$ ",  $1\frac{1}{16}$ " spacer and internal glass of  $\frac{1}{4}$ ". Thermal break profiles with invisible hardware for European groove, up to 150 kg.

## TECHNICAL SECTION

Frame of 2½" with triple glass for the best noise reduction.  
Standard microventilation, handle with key also available.

The sash is the most innovative part of our product: structural glass with an element where the hardware can slide.

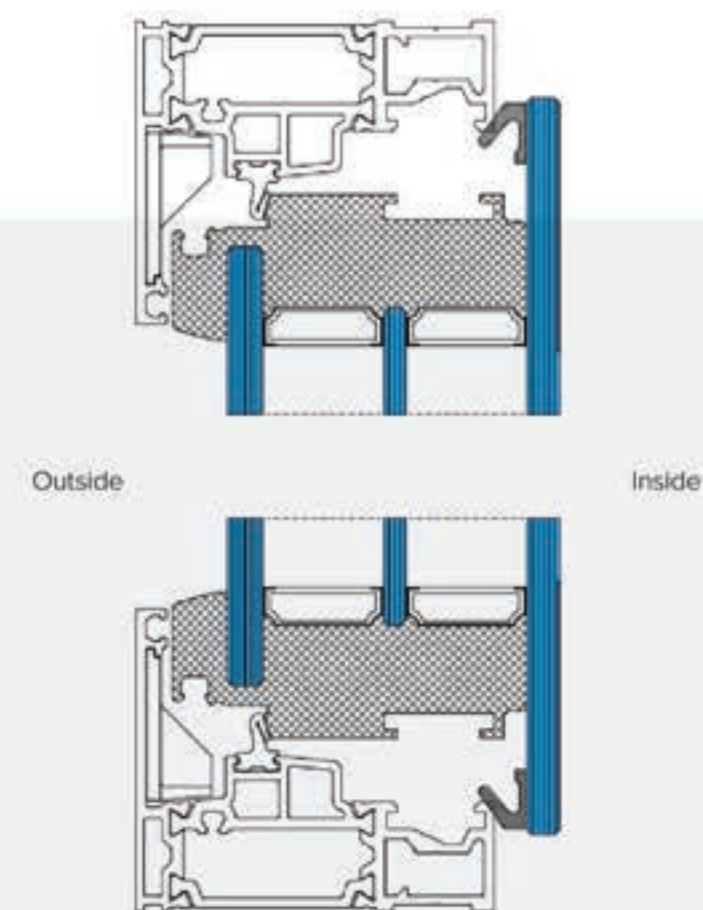
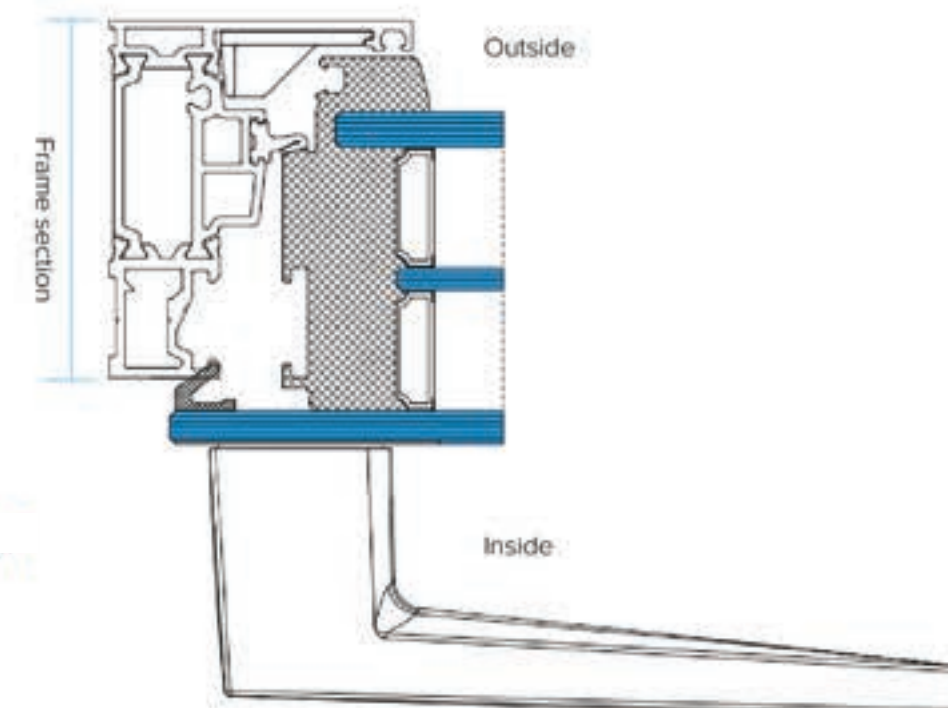
### ■ Technical Information

Max weight	150kg
Maximum size	2.5m²
(Interior)sash visible width	0
(Interior)frame visible width	1½"
Frame profile	Aluminum thermal break
Frame section	2 9/16"
Glass	2 3/8"
Serigraphy	Only internal side; 44mm size
Sash opening	180°
Spacer	Warm Edge
Thermal insulation	Uw=0.8 W/m²K
Acoustic insulation	Up to 42dB
Air resistance	Class 4
Wind resistance	A2
Water permeability	E900

**65**  
mm  
Frame section

FO Tilt Turn with frame 2½", always with triple glass grant excellent thermal performance;

Uw is up to 0.8 W/m²K



*Engineered Invisible.  
Experience  
Unforgettable*

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## **F37 TILT TURN WINDOWS**

The Vision Max F37 Tilt Turn is a state-of-the-art window solution that seamlessly combines aesthetics, functionality, and energy efficiency. Designed with modern living in mind, this innovative product features a full-screen glass design that utilizes advanced embedded technology, ensuring a sleek, mirror-like exterior with minimal visible frames.

# **F37**

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## F37 TILT TURN FEATURES

Tilt Turn **(Regular Frame)****TILT & TURN (REGULAR FRAME)**

INTERIOR WITH 4 9/16" FULL JAMB

Visible Width Sash (Inside):	<b>1 <sup>15</sup>/<sub>16</sub>"</b>
Visible Width Frame (Inside):	<b>2 <sup>1</sup>/<sub>2</sub>"</b>
/	/
Structure Width:	<b>2 <sup>3</sup>/<sub>4</sub>"</b>

**TILT & TURN  
(Regular Frame)**

A traditional look, plus a full jamb, offers design flexibility for new construction or full frame replacement.

**TILT & TURN  
Vision Max F37**

From the interior, it is **65% narrower** than traditional window frames

**F37** Tilt Turn**VISION MAX F37**

INTERIOR WITH 4 9/16" FULL JAMB

Visible Width Sash(Inside)	<b>1 <sup>1</sup>/<sub>2</sub>"</b>
Visible Width Sash(Inside)	<b><sup>13</sup>/<sub>16</sub>"</b>
Exterior	<b>Full Screen Glass</b>
Structure Width:	<b>3 <sup>3</sup>/<sub>4</sub>"</b>

**TILT & TURN  
Vision Max F0**

All-glass design inside and out.

**TILT & TURN  
Vision Max F37**

From the outside, it looks the same as F0, which features a **full-screen glass design.**

**F0** Tilt Turn**VISION MAX F0**

INTERIOR WITH 4 9/16" FULL JAMB

Visible Width Sash (Inside):	<b>Full Screen Glass</b>
Visible Width Frame (Inside):	<b>Full Screen Glass</b>
/	/
Structure Width:	<b>2 <sup>9</sup>/<sub>16</sub>"</b>



# F37 TILT TURN

## TECHNICAL SECTION

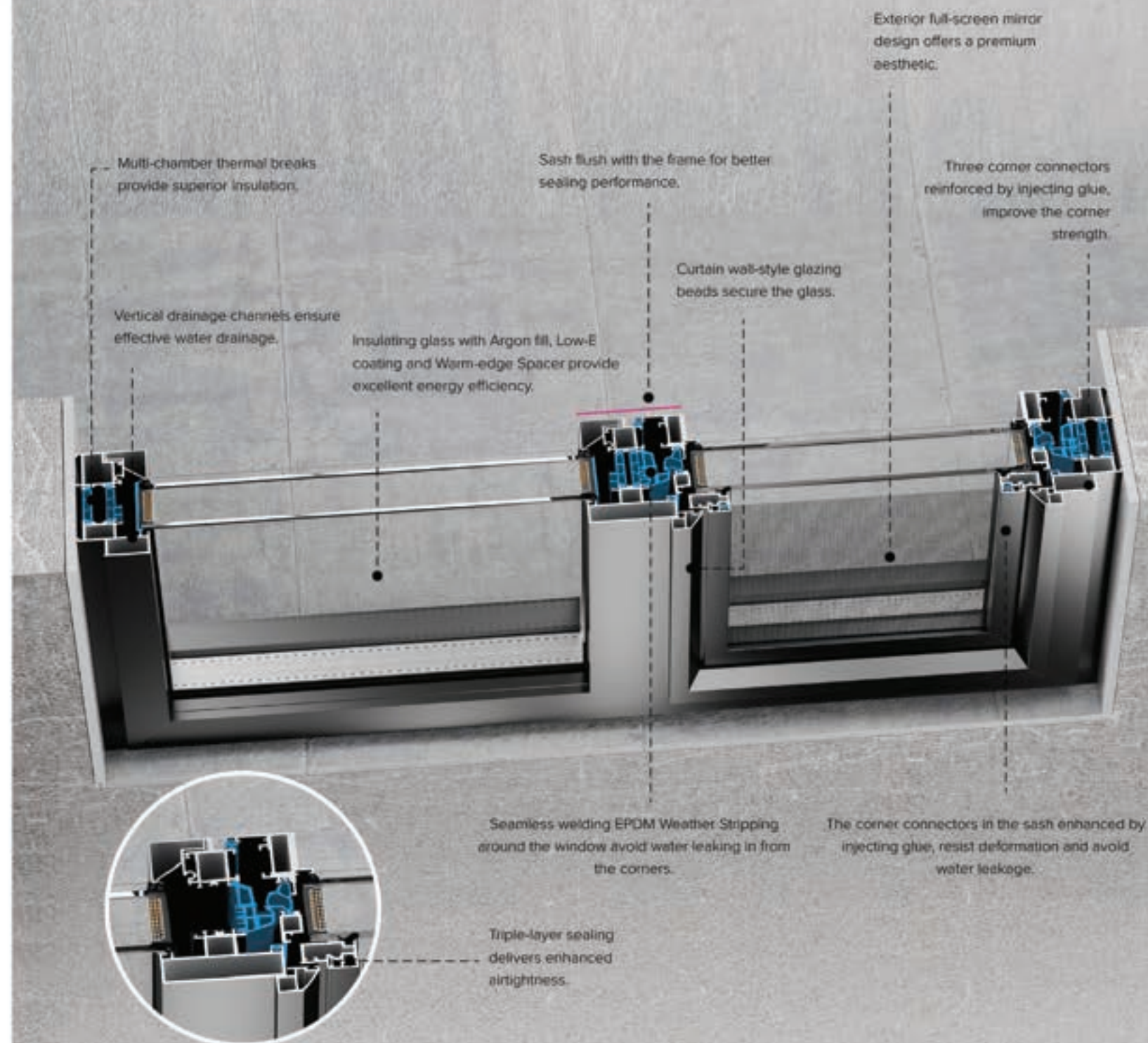
### ■ Technical Information

Max weight	140kg
Maximum size	3.6m <sup>2</sup>
Largest size with MAX WIDTH	47 1/4"
Largest size with MAX HEIGHT	118 1/8"
(Interior)sash visible width	1 1/2"
(Interior)frame visible width	2 1/8"
Frame profile	Aluminum thermal break
Frame section	3 3/4"
Glass	1 7/8"
Hardware	Master
Screen	Fixed Removable Fly Screen
Spacer	Warm Edge
Thermal Insulation	Uw=1.6 W/m <sup>2</sup> K
Acoustic Insulation	Up to 42dB
Air resistance	0.5m <sup>3</sup> /(m <sup>2</sup> h)
Wind resistance	4.5kpa
Water permeability	720pa

**95**  
mm

Frame section

F37 Tilt Turn with frame 3 3/4" with double/triple glass grant excellent thermal performance;  
**Uw is up to 1.6 W/m<sup>2</sup>K.**

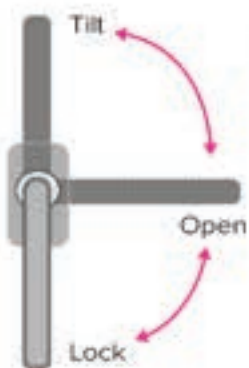






### ■ Vertical Hidden Drainage Cavity

The F37 Tilt Turn system features an innovative "independent vertical drainage channel" integrated into the glass exterior. This wind-pressure-resistant design ensures rainwater flows directly downward, unaffected by crosswinds.



### ■ User-Friendly Design

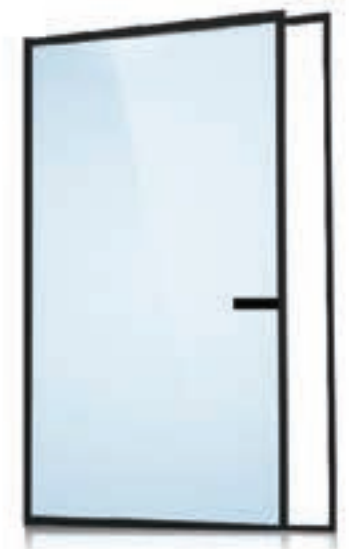
The innovative tilt-and-turn mechanism allows for easy operation. Users can swing open the window from both the top and bottom or tilt it inward for ventilation. This design not only improves air circulation but also simplifies maintenance, making it easy to keep your windows clean and clear.





## Compatibility with Home Styles

The Vision Max F37 Tilt Turn Window is designed to fit seamlessly into any home aesthetic—be it modern or traditional. Its clean lines and sophisticated finish make it an ideal choice for homeowners looking to enhance their living spaces without compromising on style or performance.



“

*It is the second time I am truly  
impressed with quality of the  
product and service you  
provided.*

”



*Slimmer  
Frames,  
Bigger Life.*

**F20**

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## **F20 PUSH OUT CASEMENT WINDOWS**

Our glass sash, inspired by structural façades, combines full transparency and brightness with an ultra-slim  $\frac{13}{16}$ " profile—the narrowest aluminum alloy window system on the market. It maximizes outdoor views and promotes natural airflow, seamlessly connecting indoors and out.



# **F20 PUSH-OUT CASEMENT TECHNICAL SECTION**

## ■ Technical Information

Max weight	80kg
Maximum size	1.4m <sup>2</sup> / 2.8m <sup>2</sup>
Largest size with MAX WIDTH	31 1/2" / 94 1/2"
Largest size with MAX HEIGHT	47 1/4" / 63"
(Interior)sash visible width	7/16"
(Interior)frame visible width	1"
Frame profile	Aluminum thermal break
Frame section	4 1/2"
Glass	1 5/8"
Hardware	JIEDO
Screen	/
Spacer	Warm Edge
Thermal insulation	Uw=1.9 W/m <sup>2</sup> K
Acoustic insulation	Up to 42dB
Air resistance	0.8 m <sup>3</sup> /(m <sup>2</sup> h)
Wind resistance	4.0 kpa
Water permeability	600pa



**115**  
mm  
Frame section

F20 Push-out Casement with frame 4 1/2", with double/triple glass grant excellent thermal performance;  
 Uw is up to 1.9 W/m<sup>2</sup>K.

### • Slanted Edge Glazing Bead

Designed with a slanted interior edge, this feature reduces shadows from multiple light angles, enhancing brightness and creating a luminous, visually spacious interior.

### Insulation

- Equipped with German-imported Technoform PA66 thermal breaks, offering superior insulation, enhanced rigidity, and exceptional thermal performance.

### Energy Efficiency

- Features double-glazed energy-saving glass (5+25A+5), ensuring excellent insulation, and eco-friendly benefits.

### Durability

- Incorporates fully imported hardware that is corrosion-resistant, wear-resistant, and built to endure high-intensity use over time.

### Innovation

- Includes a patented sash technology, offering four-layer sealing between the sash and the main frame for enhanced safety and airtightness.

### Precision

- Utilizes hexagonal corner connectors with injected adhesive for self-leveling functionality, achieving high accuracy, superior strength, excellent sealing, and outstanding load-bearing capacity.



### ■ Ultimate Mullion Design:

Incorporating the industry's most advanced false mullion solution, this design achieves an exceptionally slim visible width of just 9 centimeters at the French window's overlapping area—where the left and right sashes meet. This innovative approach is 50% narrower than the standard  $7\frac{1}{8}$ " mullions on the market, boosting visible light transmittance by 50%. The result is a seamless, minimalist aesthetic that maximizes natural illumination and offers unobstructed sightlines.

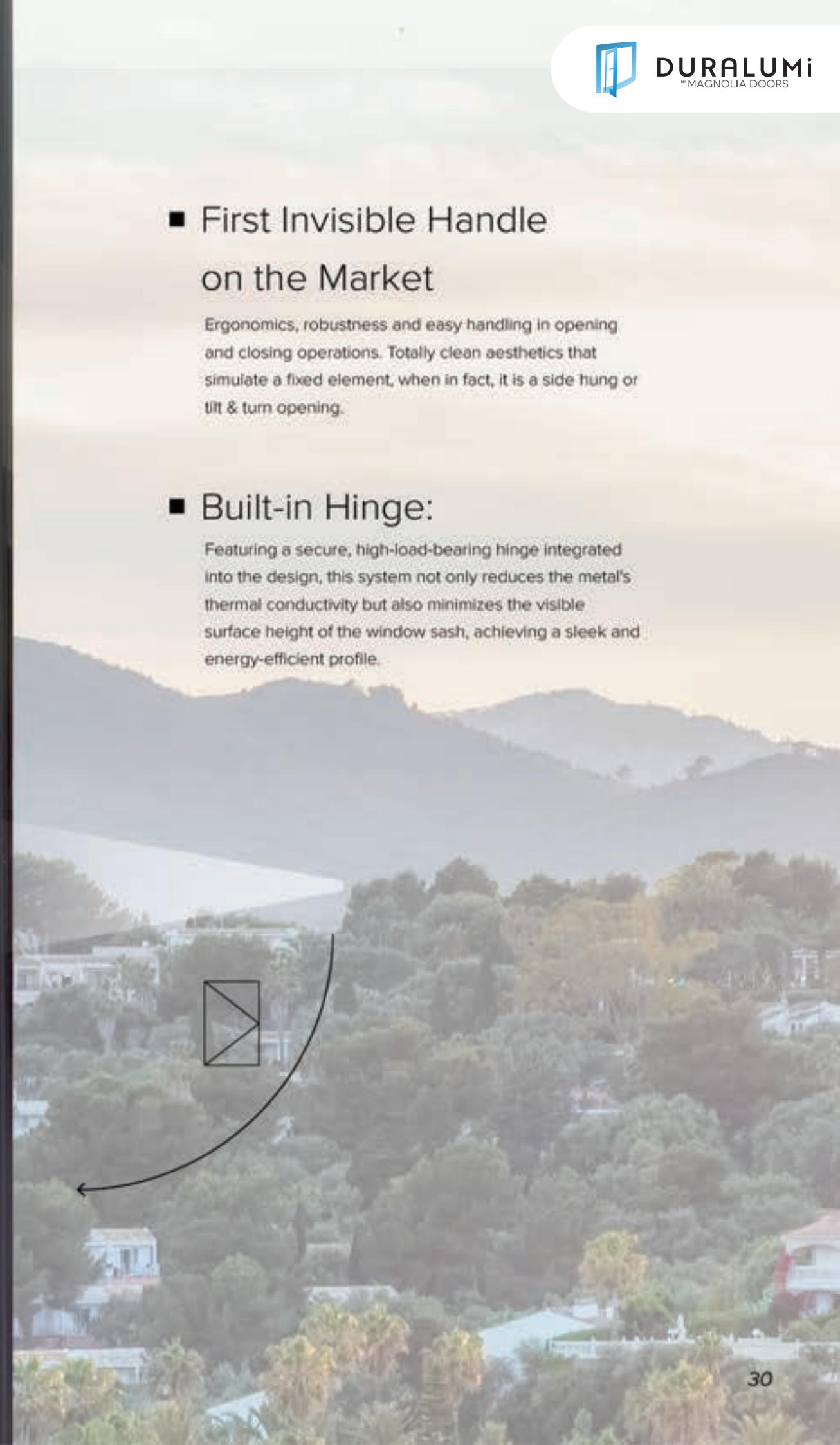


### ■ First Invisible Handle on the Market

Ergonomics, robustness and easy handling in opening and closing operations. Totally clean aesthetics that simulate a fixed element, when in fact, it is a side hung or tilt & turn opening.

### ■ Built-in Hinge:

Featuring a secure, high-load-bearing hinge integrated into the design, this system not only reduces the metal's thermal conductivity but also minimizes the visible surface height of the window sash, achieving a sleek and energy-efficient profile.





## ***F20 PUSH-OUT CASEMENT***

The glass sash stands as the most innovative feature of our product. Inspired by structural facades, it delivers full transparency and brightness while maintaining an exceptionally sleek design. With a visible surface of just 2.0 centimeters, it is the narrowest aluminum alloy window system on the market. This design not only maximizes outdoor views but also enhances natural ventilation, seamlessly blending the exterior and interior spaces





## F20 PUSH-OUT CASEMENT WINDOWS

### F20 CASEMENT

Our glass sash, inspired by structural facades, combines full transparency and brightness with an ultra-slim  $1\frac{3}{8}$ " profile—the narrowest aluminum alloy window system on the market.



“

*The windows and doors are beautiful and everybody comments on how nicely the work was done.*

”





# *Minimalist Design, Boundless Vision*

# F10

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SERIES

## **F10 WINDOW WALL**

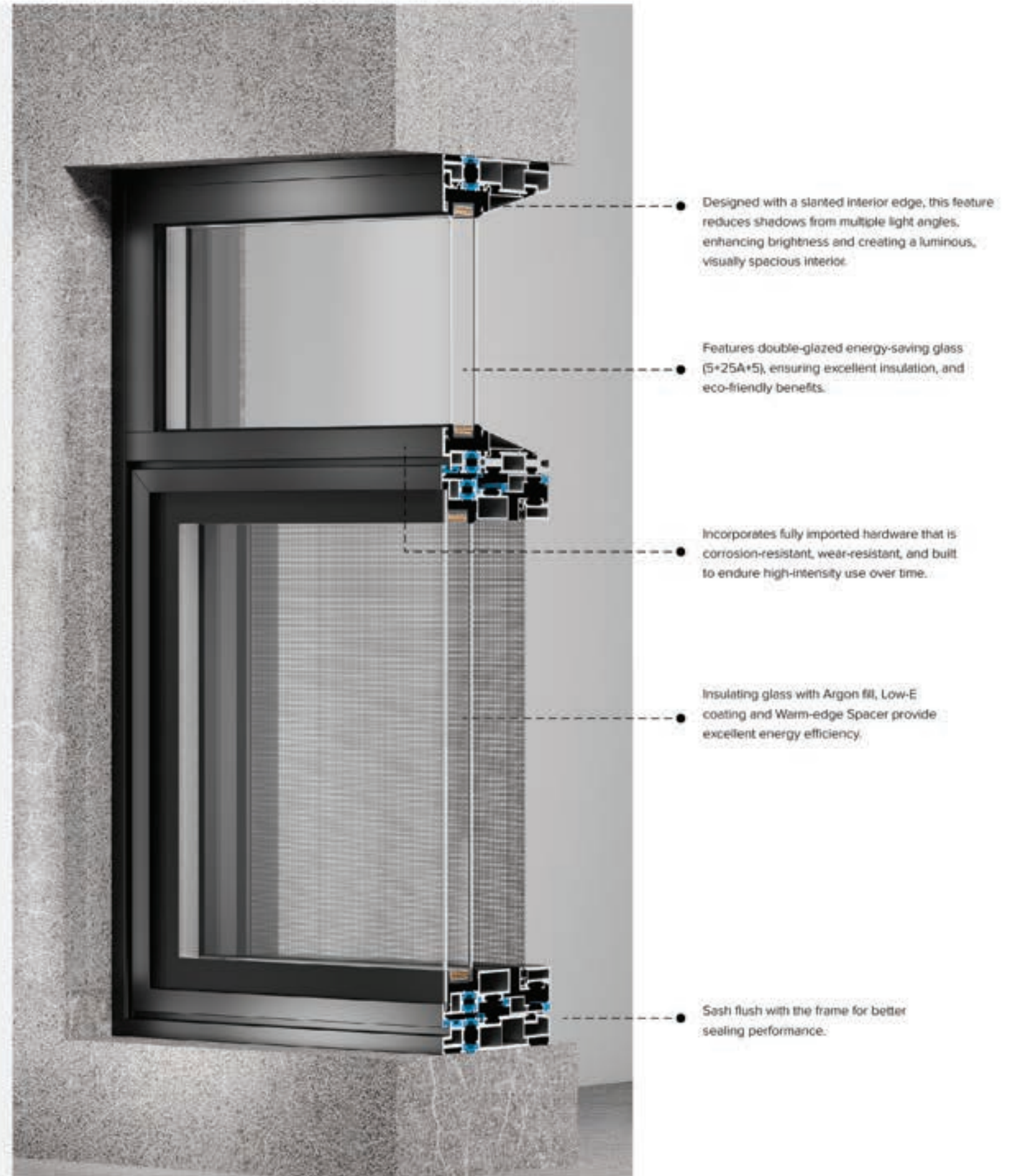
Redefine modern design with our ultra-slim frame curtain wall windows. Boasting a  $\frac{3}{16}$ " interior glass sash frame and a seamless exterior where the sash sits flush with the frame, this sleek design maximizes natural light and space while creating a clean, minimalist facade. Perfect for contemporary architecture, it blends cutting-edge style with unmatched functionality.

# F10 WINDOW WALL

## TECHNICAL SECTION

### ■ Technical Information

Max weight	80kg
Maximum size	1.4m <sup>2</sup> / 2.8m <sup>2</sup>
Largest size with MAX WIDTH	31 1/2" / 94 1/2"
Largest size with MAX HEIGHT	47 1/4" / 63"
(Interior)sash visible width	11/16"
(Interior)frame visible width	7/8"
Frame profile	Aluminum thermal break
Frame section	5 5/16"
Glass	7/8"
Hardware	JIEDO
Screen	/
Spacer	Warm Edge
Thermal insulation	Uw=1.7 W/m <sup>2</sup> K
Acoustic insulation	Up to 42dB
Air resistance	0.5m <sup>3</sup> /(m <sup>2</sup> h)
Wind resistance	4.5kpa
Water permeability	720pa





## Redefine Modern Design with Ultra-Slim Curtain Wall Windows

Experience the perfect blend of form and function with our ultra-slim curtain wall windows. Featuring a stunning  $\frac{3}{8}$ " interior frame and a seamless exterior where the sash sits flush with the frame, this innovative design maximizes natural light, enhances spatial perception, and creates a clean, minimalist facade.

### ■ Key Features:

#### **$\frac{3}{8}$ " Ultra-Slim Interior Frame:**

Expands interior space and flood rooms with natural light.

#### **Seamless Exterior Design:**

Sash flush with the frame for a sleek, modern aesthetic.

#### **Perfect for Contemporary Architecture:**

Ideal for residential and commercial projects seeking cutting-edge style.

#### **Unmatched Functionality:**

Combines beauty with durability and performance.

### ■ Ideal For:

Homeowners seeking to enhance natural light and create a spacious, modern living environment.

Architects and Designers looking for sleek, minimalist solutions for high-end residential or commercial projects.

Developers aiming to elevate the aesthetic and functional value of their properties.

Transform your space with a design that redefines modern architecture, where elegance meets innovation.



## F10 MINI - WINDOW WALL

Boasting a  $\frac{3}{8}$ " interior glass sash frame and a seamless exterior where the sash sits flush with the frame, this sleek design maximizes natural light and space while creating a clean, minimalist facade.



“

*The windows look fantastic and everyone is very happy... The finishing and workmanship is very good*

”

*Engineered  
Invisible.  
Experience  
Unforgettable.*

VISION MAX  
SERIES

## **F37 SWINGING DOOR**

Elevate modern architecture with the Vision Max F37 Swinging Door, seamlessly integrating elegance, functionality, and energy efficiency. Mirroring the window's design, its full-screen glass and advanced embedded technology create a mirror-like exterior with ultra-slim, near-invisible frames. Featuring concealed hinges, thermal-break technology, and effortless operation, it delivers a minimalist aesthetic while maximizing insulation and durability. Perfect for luxury homes, commercial spaces, and design-forward projects seeking bold indoor-outdoor harmony.

# **F37**



## F37 SWINGING DOOR

### TECHNICAL SECTION

Designed to complement the Vision Max F37 Tilt Turn window, this door features a seamless full-screen glass design with advanced embedded technology, delivering a mirror-like exterior and ultra-slim, nearly invisible frames.

- From the interior, it is **65% narrower** than traditional window frames
- From the outside, it looks the same as F0, which features a *full-screen glass design*.

#### ■ Technical Information

Max weight	1200kg
Maximum size	/
Largest size with MAX WIDTH	157 1/2"
Largest size with MAX HEIGHT	236 1/4"
(Interior)sash visible width	1 1/2"
(Interior)frame visible width	13/16"
Frame profile	Aluminum thermal break
Frame section	3 3/4"
Glass	1 3/8"
Hardware	Master
Screen	/
Spacer	Warm Edge
Thermal insulation	Uw=1.6 W/m2K
Acoustic insulation	Up to 42dB
Air resistance	class 4
Wind resistance	4.5 kpa
Water permeability	800pa



## F37 SWINGING DOOR

**95**  
mm  
Frame section

F37 Swinging Door with frame 3<sup>3</sup>/<sub>4</sub>" , with double glass grant excellent thermal performance; the Uw is up to 1.6 W/m<sup>2</sup>K.

*Uw is up to 1.6 W/m<sup>2</sup>K*

Multi-chamber thermal breaks provide superior insulation.

Vertical drainage channels ensure effective water drainage.

Triple-layer sealing delivers enhanced airtightness.

Insulating glass with Argon fill, Low-E coating and Warm-edge Spacer provide excellent energy efficiency.

Curtain wall-style glazing beads secure the glass.

Exterior full-screen mirror design offers a premium aesthetic.

Seamless welding EPDM Weather Stripping around the window avoid water leaking in from the corners.



# F37

## SWINGING DOOR

Elevate modern architecture with the Vision Max F37 Swinging Door, a harmonious extension of our innovative series that redefines elegance, functionality, and energy efficiency. Designed to complement the Vision Max F37 Tilt Turn window, this door features a seamless full-screen glass design with advanced embedded technology, delivering a mirror-like exterior and ultra-slim, nearly invisible frames.

### ■ Key Features:

**Full-Screen Glass Design:**

Maximizes natural light flow and offers unobstructed views, creating a striking visual continuity between indoor and outdoor spaces.

**Advanced Embedded Technology:**

Concealed hinges and flush-mounted hardware ensure a sleek, minimalist profile while enhancing durability.

**Ultra-Slim Frame:**

Matches the 37 mm profile of the series, maintaining aesthetic consistency and modern appeal.

**Energy-Efficient Performance:**

High-performance seals and thermal-break technology ensure optimal insulation, reducing energy consumption.

**Smooth Operation:**

Engineered for effortless opening and closing, combining precision mechanics with user-friendly design.

### ■ Ideal For:

Luxury residences seeking a cohesive, modern aesthetic.

Commercial spaces prioritizing seamless indoor-outdoor integration.

Architects and designers focused on cutting-edge, energy-conscious solutions.





*Slimmer  
Frames,  
Bigger Life.*

VISION MAX  
SERIES

## **STITCH 20-LIFT SLIDING DOOR**

The Duralumi Premium Sliding Door integrates the world's top hardware systems. Featuring fully concealed locks, an ultra-slim 13/16" visible profile, and 5 1/8" structural depth for height customization. Its innovative sinking compression sealing design with hidden drainage ensures superior waterproof performance, while enabling seamless accessibility and transparency.

# **STITCH 20**

# **STITCH**

## **20-LIFT SLIDING DOOR**

It is a high-end upgraded sliding door product from the Duralumi system, which integrates the world's top hardware system. Through joint development, the lock point and lock seat are no longer protruding from the door frame or door leaf, creating a more refined and user-friendly design.

For the first time, we have integrated accessibility and transparency into the product—enhancing ease of movement in and out. The door leaf hooks up to a maximum of 2 centimeters of visible surface, and the longitudinal thickness exceeds 13 centimeters, allowing it to handle doors of varying heights.

The sinking compression sealing design, combined with a hidden drainage system, improves the waterproof sealing performance of the door body.



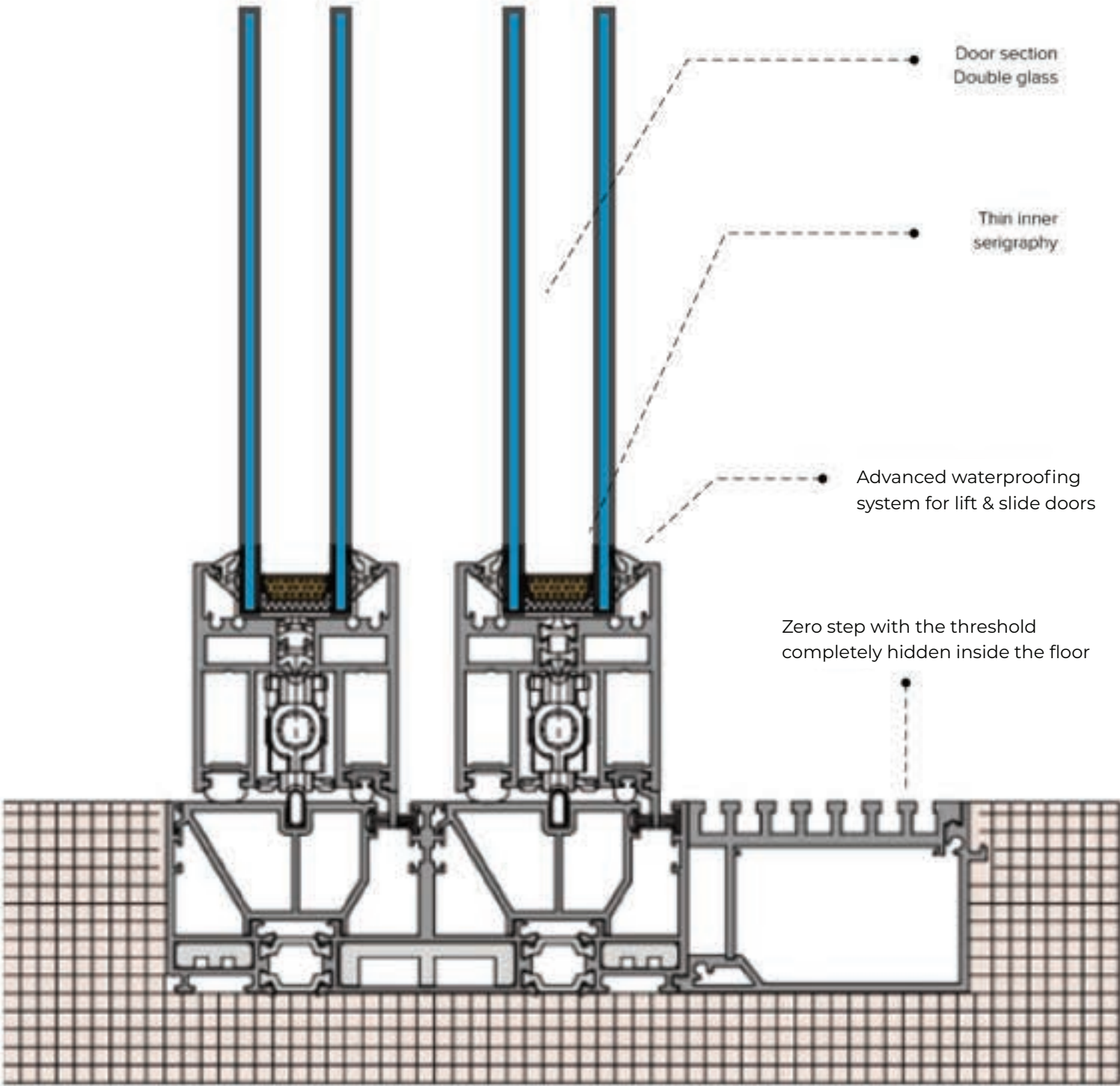


STITCH 20-LIFT SLIDING DOOR

**THCHNICAL SECTIONS**

Engineered to redefine weather resistance, our 20 mini- lift & slide door system combines cutting-edge thermal breaks, precision sealing, and intelligent drainage for unparalleled performance in extreme conditions.

Max weight	350kg
Maximum size	7m <sup>2</sup>
Largest size with MAX WIDTH	98 7/16"
Largest size with MAX HEIGHT	157 1/2"
(Interior)sash visible width	13/16"
(Interior)frame visible width	2 1/16"
Frame profile	Aluminum thermal break
Frame section	5 3/4"
Glass	1 7/16"
Hardware	Highwell
Screen	/
Spacer	Warm Edge
Thermal insulation	Uw=1,6 W/m <sup>2</sup> K
Acoustic insulation	Up to 42dB
Air resistance	0.5 m <sup>3</sup> /(m <sup>2</sup> *h)
Wind resistance	5.0 kpa
Water permeability	720Pa





## STITCH 20-LIFT SLIDING DOOR



**DURALUMI**  
"MAGNOLIA DOORS"

Engineered to redefine weather resistance, our 20 mini-lift & slide door system combines cutting-edge thermal breaks, precision sealing, and intelligent drainage for unparalleled performance in extreme conditions.

### • Multi-Barrier Thermal Break Design

- Dual/Multi-Chamber Thermal Breaks: Create vertical isothermal barriers between sash and frame, eliminating condensation and thermal bridging.
- Bidirectional Track Alignment: Dual-track vertical isolation prevents cross-channel water infiltration.

### • Airtight Structural Sealing

- 12-Point Corner Screw Injection: Robotic PU foam injection at all frame corners ensures 100% cavity sealing.
- Hidden Drainage System: Fully concealed channels divert water without compromising aesthetics.

### • High-Capacity Drainage Engineering

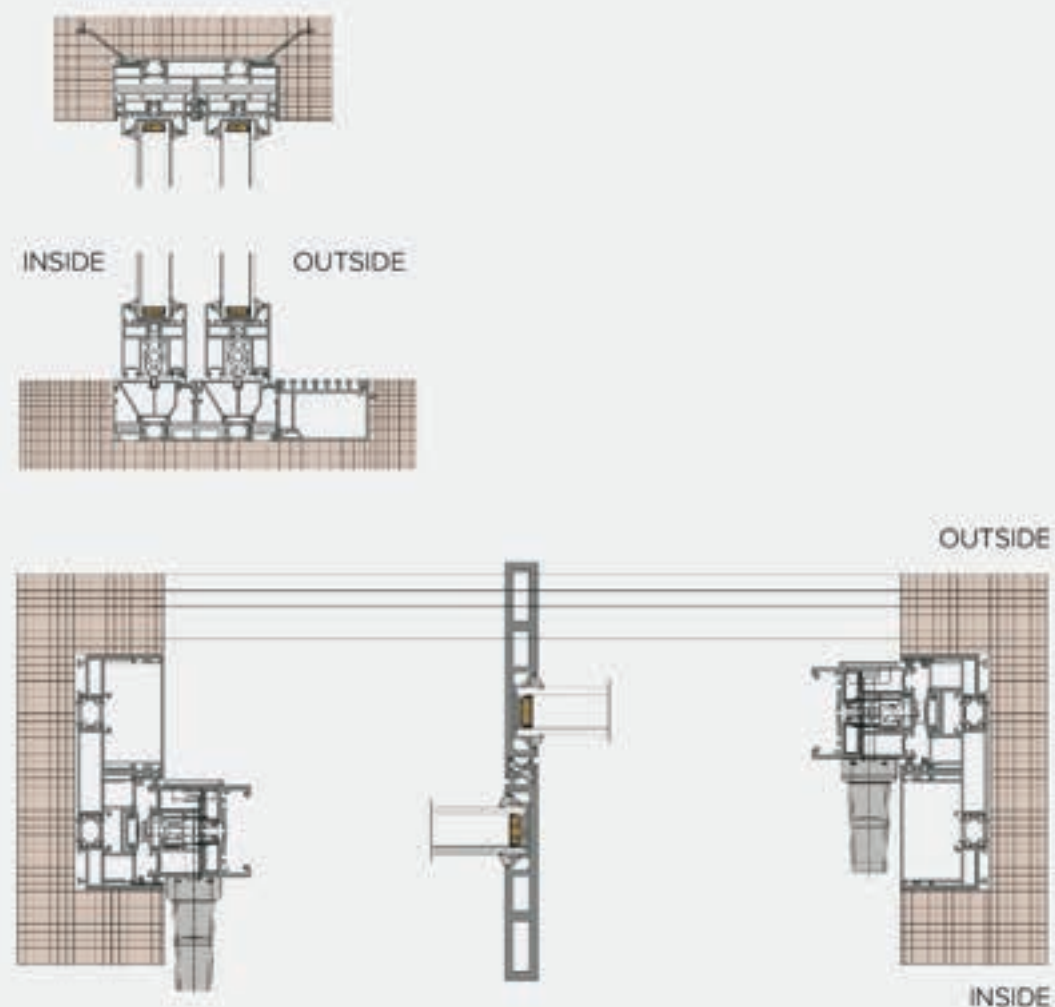
- Dedicated Drainage Channels: Triple-tiered channels handle 45L/min per meter (2x industry average).



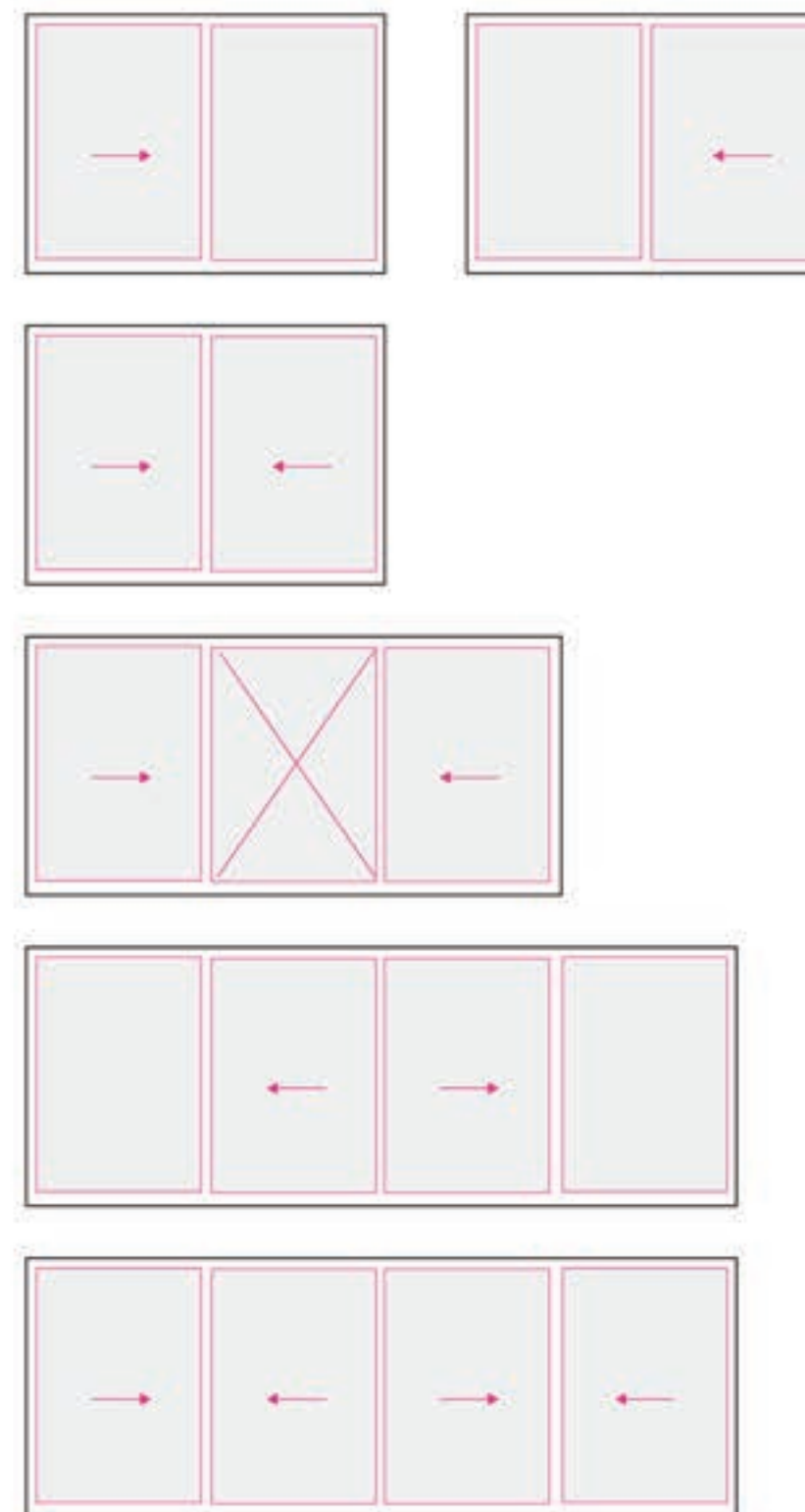
## STITCH 20-LIFT SLIDING DOOR

### TECHNICAL SECTIONS

Stitch 20-lift sliding door is characterized by door leaf hooks with 2 centimeters of visible surface, and the longitudinal thickness exceeds 13 centimeters, which can handle doors of different heights. The sinking compression sealing design, combined with a hidden drainage system, can improve the waterproof sealing performance of the door body.



### ■ Typologies



*SLIMMER  
FRAMES,  
BIGGER LIFE.*

# ULTIMATE 40

VISION MAX  
SERIES

## ULTIMATE 40 MULTI-SLIDE

Duralumi Ultimate 40 Multi-slide redefines sliding door maintenance with an industry-leading track-mounted roller system, designed for effortless servicing and superior adaptability.



# TECHNICAL SECTION

## ■ Technical Information

Max weight	1500kg
Maximum size	20m²
Largest size with MAX WIDTH	118 1/8"
Largest size with MAX HEIGHT	236 1/4"
(Interior)sash visible width	13 1/16"
(Interior)frame visible width	2 1/8"
Frame profile	Aluminum thermal break
Frame section	5 3/4"
Glass	1 7/16"
Hardware	Custom-made
Screen	/
Spacer	Warm Edge
Thermal insulation	Uw=1.6 W/m²K
Acoustic insulation	Up to 42dB
Air resistance	0.5 m³/(m²h)
Wind resistance	5.0 kpa
Water permeability	720 Pa

## ■ Duralumi Ultimate 40 Multi-slide Door: Precision-Engineered Sliding Door System.

Ultimate 40 Multi-slide Door redefines sliding door maintenance with an industry-leading track-mounted roller system, designed for effortless servicing and superior adaptability.

### Key Features:

- 01 No-panel-Removal Roller Replacement  
Replace entire roller units (multi-wheel clusters) without removing the glass panel. Simply access the track cover plate for quick servicing, minimizing disruption and downtime.
- 02 ± 1/8" Height Adjustment per Roller Unit  
Independently fine-tune each roller cluster to compensate for structural settling in wood-framed buildings or uneven flooring, ensuring smooth operation in diverse conditions.

### Why Choose 36 Pro Max Sliding Door?

**Maintenance Simplified:**  
Track-accessible design eliminates need for door panel removal.

**Structural Versatility:**  
Precision adjustments adapt to challenging installations.

**Heavy-Duty Performance:**  
Engineered for residential and commercial longevity.

Ideal for architects and homeowners seeking a blend of innovation, reliability, and timeless design.

# ULTIMATE 50 MULTI-SLIDE MULTI-WHEEL CLUSTERS

## ■ Duralumi Multi-Wheel Clusters



### Why Duralumi Ultimate 40 Mini-Sliding System Outperforms Conventional Roller Systems?

The Ultimate 40 Mini- Sliding Door revolutionizes reliability with:

- |   |  |
|---|--|
| <p><b>01 1.2 Ton Single-Panel Capacity</b></p> <ul style="list-style-type: none"> <li>- High-grade polymer wheels resistant to thermal stress</li> <li>- Reinforced alloy tracks with anti-warp design</li> </ul>           | <p><b>02 Precision Leveling &amp; Micro-Adjustment</b></p> <ul style="list-style-type: none"> <li>- <math>\pm 1/8"</math> vertical adjustment per roller unit</li> <li>- Laser-calibrated track ensures perfect horizontality</li> </ul> |
| <p><b>03 Anti-Sag Architecture</b></p> <ul style="list-style-type: none"> <li>- Multi-wheel load distribution (4 rollers per cluster)</li> <li>- <math>1/2"</math> vertical structural depth resists deformation</li> </ul> | <p><b>04 Zero Compromise Design</b></p> <ul style="list-style-type: none"> <li>Maintains ultra-slim <math>1 3/8"</math> profile despite heavy-load engineering – 50% narrower than industrial-grade competitors.</li> </ul>              |

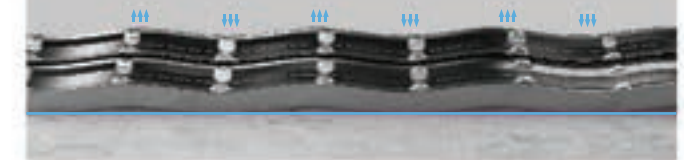
VS

## ■ Traditionnal Multi - Wheel Clusters



### Thermal deformation

(expansion/contraction in temperature changes)

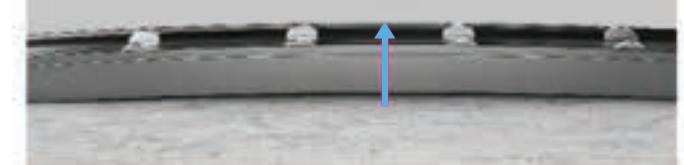


### Poor track leveling

(causing misalignment)



### Structural sagging over time



### Structural warping over time





## **ULTRA-SLIM** **1<sup>9</sup>/<sub>16</sub>" FRAME**

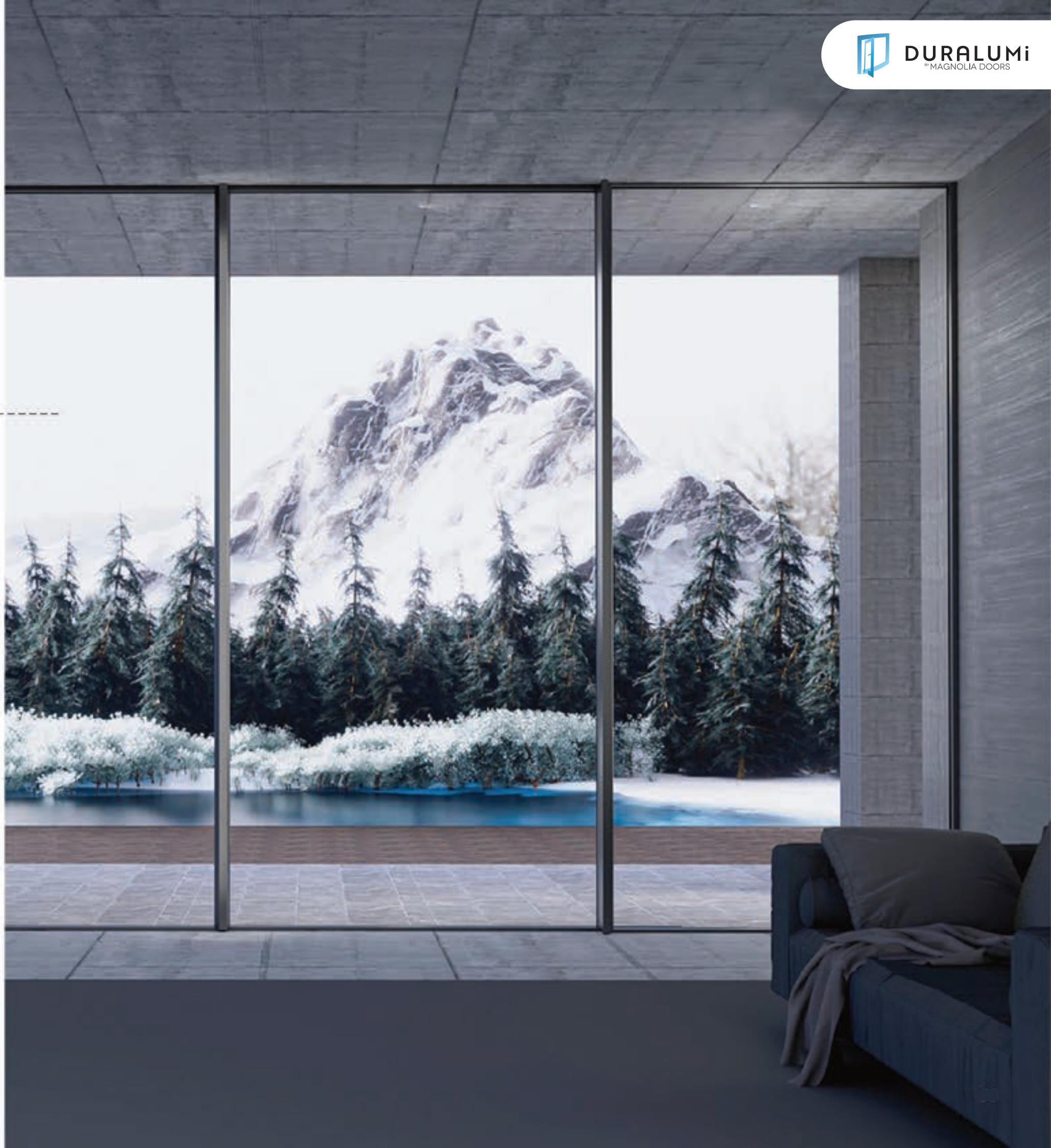


Ultra-slim 1<sup>9</sup>/<sub>16</sub>" frame creates near-invisible borders, emphasizing expansive glass surfaces.

**30%**

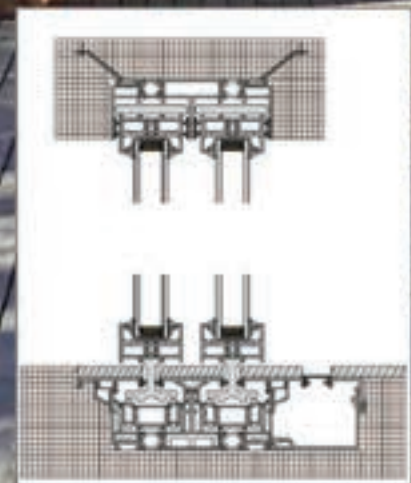
30% narrower than standard sliding door sashes

(typically 2<sup>3</sup>/<sub>8</sub>" - 3<sup>1</sup>/<sub>8</sub>" ).

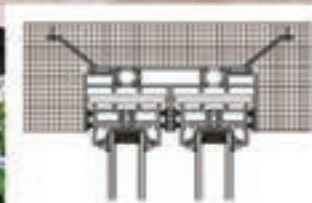




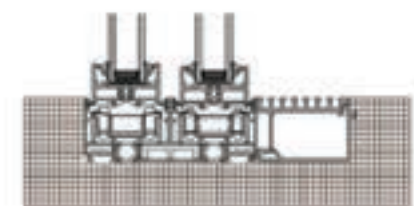
ULTIMATE 40 MULTI-SLIDE



**HIDDEN TRACK**



**HIDDEN  
FRAME BOX**





ULTIMATE 40 MULTI-SLIDE

## **90 DEGREE FREEDOM OF OPENING**



### **Full 90-Degree Swing:**

Ideal for creating seamless indoor-outdoor transitions in patios, balconies installations.

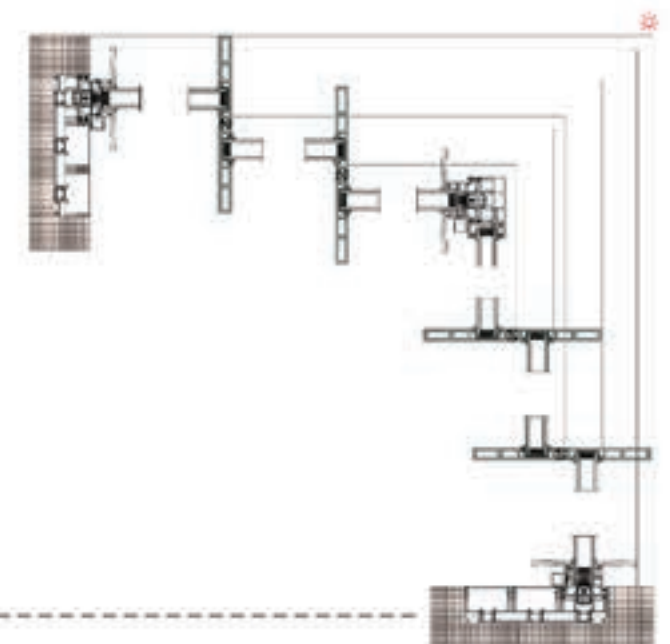
### **Unrivalled Transparency:**

Narrow corner frames preserve panoramic views and enhance spatial brightness.



ULTIMATE 40 MULTI-SLIDE

## ***THREE-TRACK 90 DEGREE OPENING (HIDDEN TRACK)***

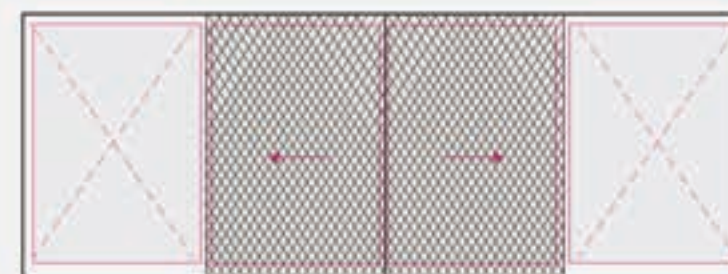
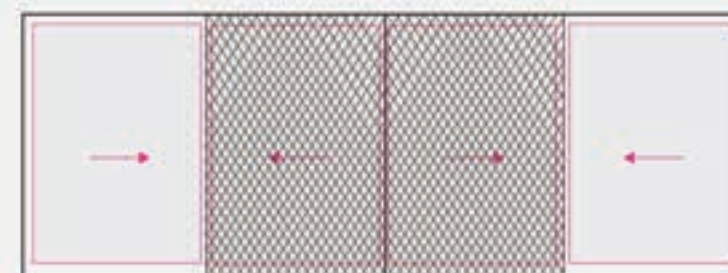




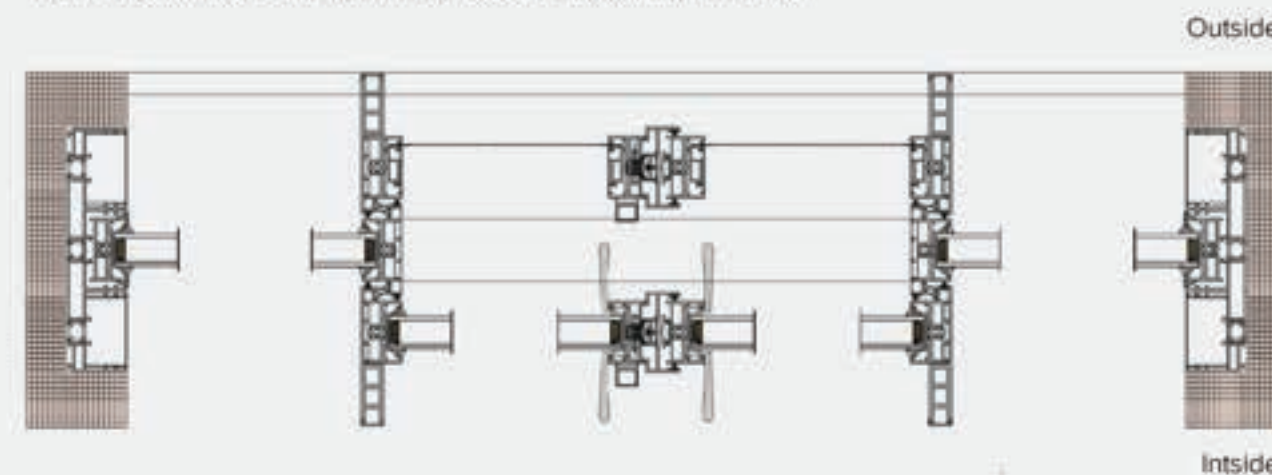
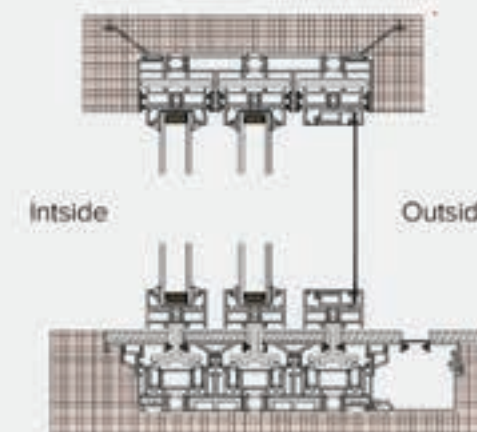
## TRIPLE-TRACK INTEGRATED SCREEN DOOR



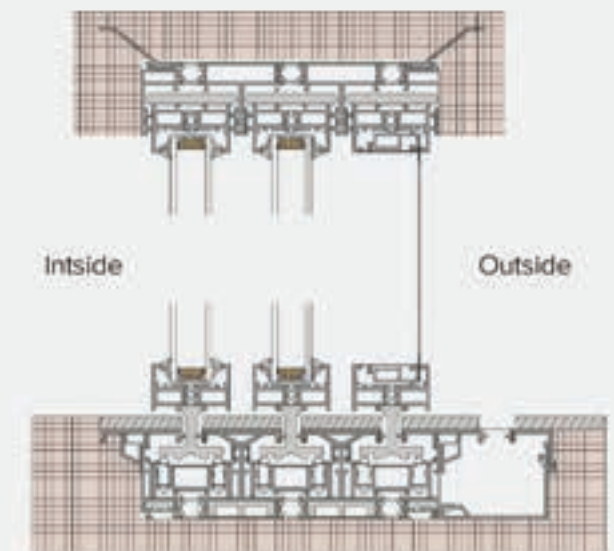
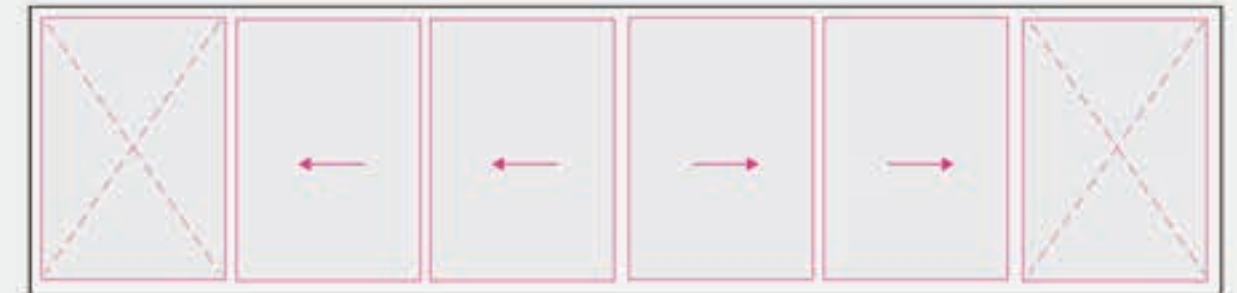
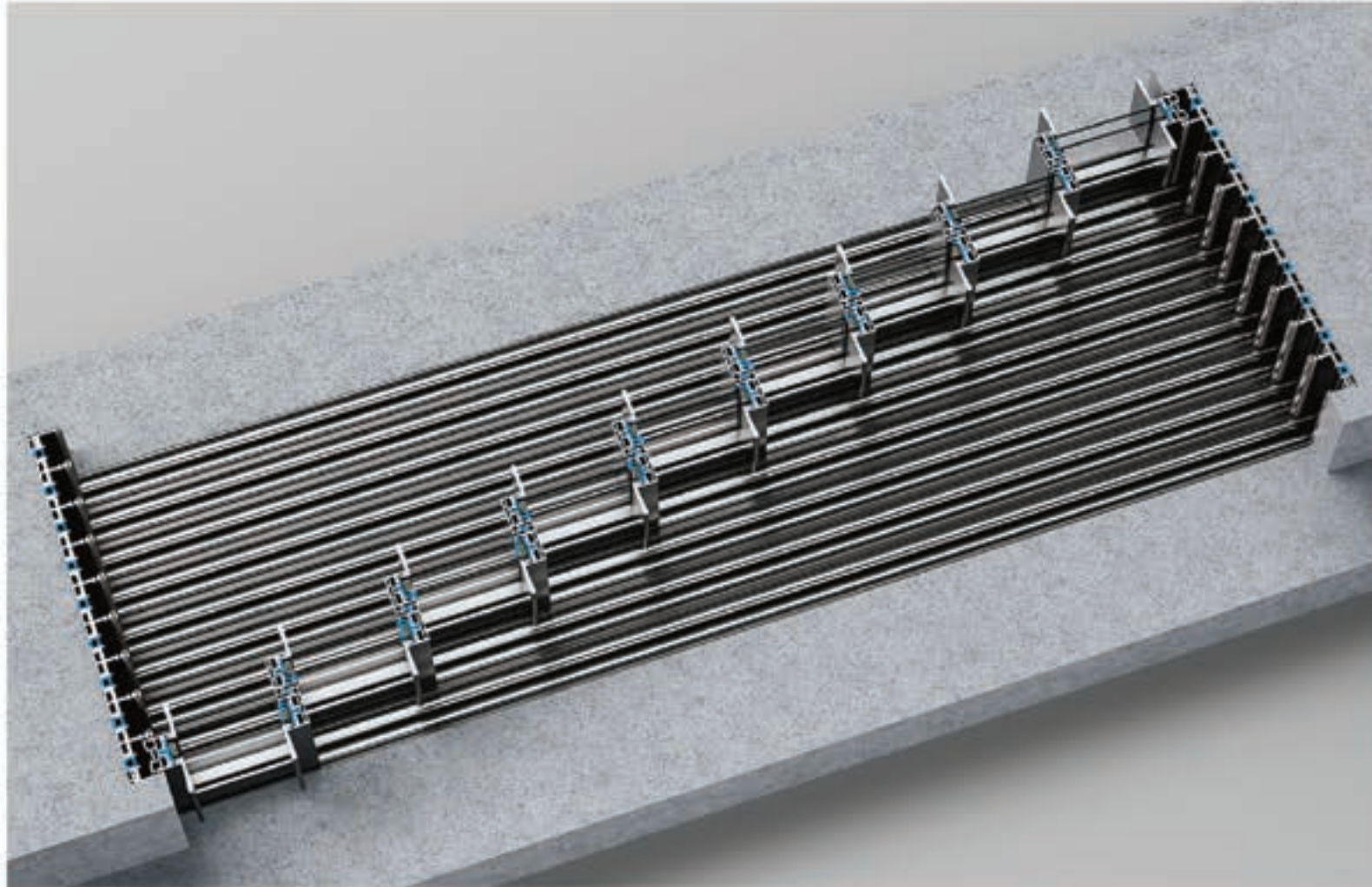
No protruding frames or overlapping hardware – maintains a flush  $1\frac{9}{16}''$  visible surface across all components.



Three-track four-leaf with screen and two-leaf fixed (Hidden track)

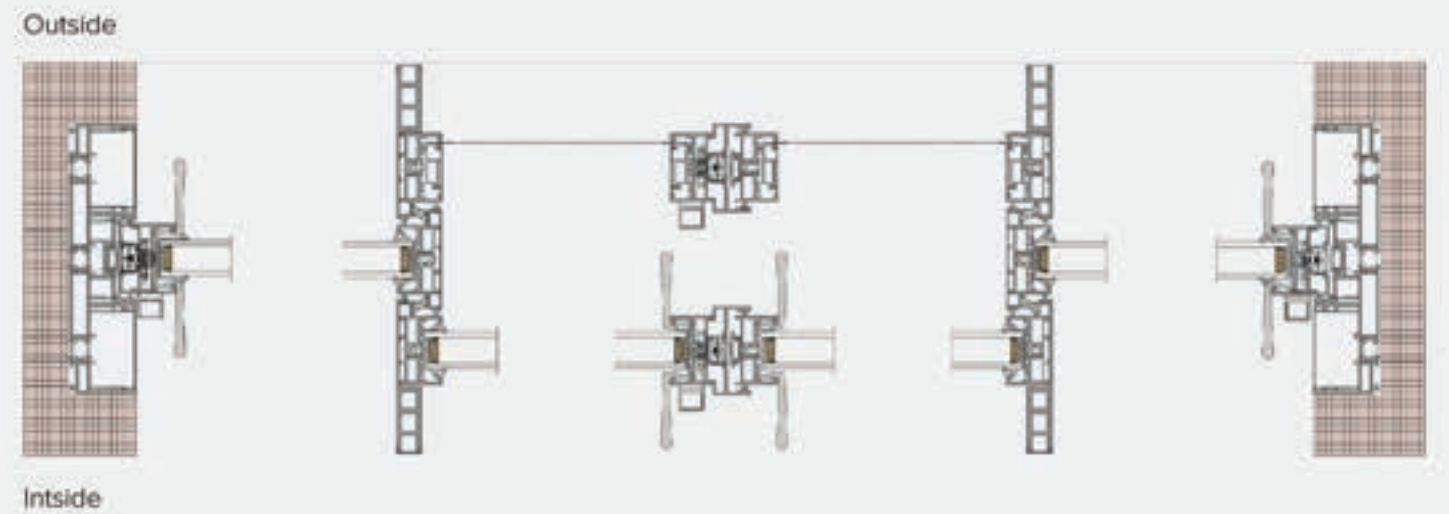






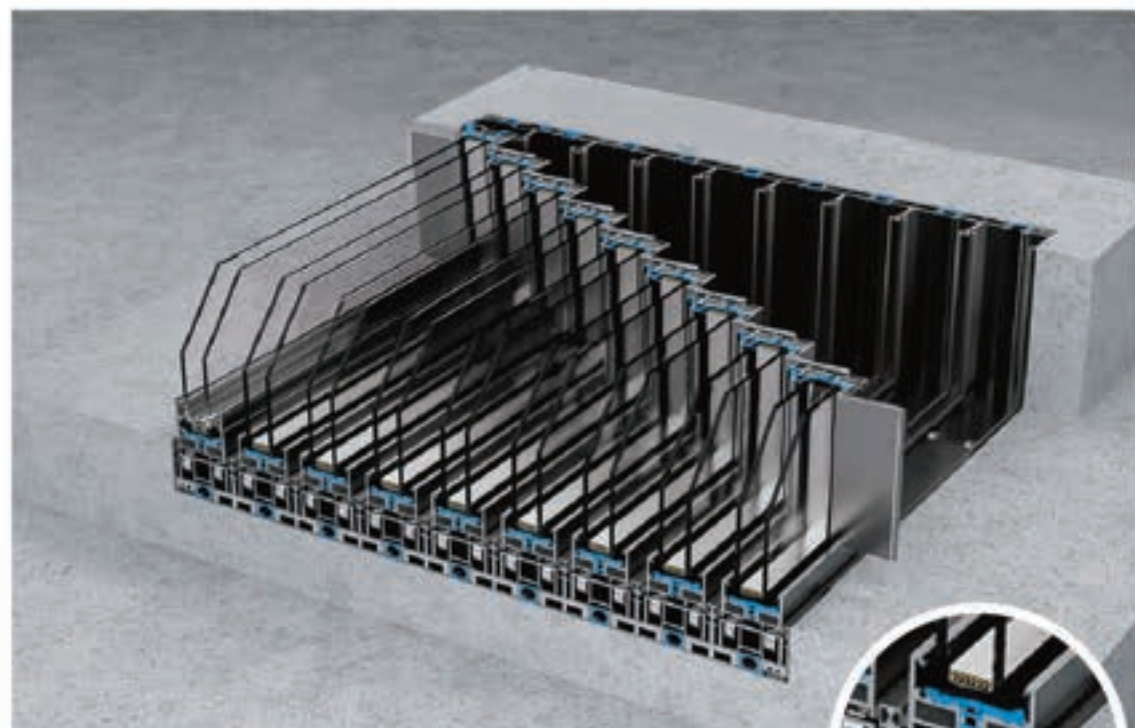
## **MULTI-TRACK MULTI-PANEL**

The Duralumi Multi-Track system breaks conventional limits, offering unmatched capacity for mega-scale architectural applications. Designed for grand spaces demanding both grandeur and precision.





## **SOLID-CORE REINFORCED TRACK**



Eliminates traditional hollow-track weaknesses: warping, sagging, and resonance.



## **EASY- CLEAN TRACK DESIGN**

The track panel opens effortlessly for quick cleaning, easily removing debris like fallen leaves, dirt, sand, mud, or hair.





ULTIMATE 40  
MULTI-SLIDE

**SMART ENTRY  
LIGHTING INTEGRATION**

This door seamlessly pairs with motion-activated lighting, automatically illuminating entryways upon opening for safe, hands-free access. Lights deactivate upon closing, eliminating manual switch operation while enhancing energy efficiency.

Key Features Highlighted ■

**Auto-On/Off Lighting:** 01  
Welcome lights triggered by door movement

**Hands-Free Convenience:** 02  
No switch interaction required

**Energy-Saving Design:** 03  
Lights engage only during use





ULTIMATE 40 MULTI-SLIDE

*ULTIMATE 40*  
*MULTI-SLIDE DOOR*  
***ELECTRIC OPENING***



Multi functional extension, intelligent,  
efficient, and safer, equipped with  
wireless receiving controller and door  
opening sensor.





ULTIMATE 40 MULTI-SLIDE

LUVINDOW

**ULTIMATE  
40 MULTI-SLIDE  
POCKET DOOR SOLUTION**

The Vision Max Series lives up to it's name by maximizing your view through the minimalizatin of window and door frames. This innovative series represents our vision



ULTIMATE 40 MULTI-SLIDE

## **ULTIMATE 40 MULTI-SLIDE**

Where Slim Design Meets Grand Living.



“

*They are great, look very nice...  
I may have the opportunity to  
connect you with a promising  
door / window distributor.*

”

# *SLIM INNOVATION, GRAND VISION*

VISION MAX  
SERIES

# OPTIONS

---



## EXTERIOR FINISH OPTIONS

### ■ EXTRUDED ALUMINUM

Extruded aluminum is an extremely tough cladding that protects wood windows, mimics the profiles of wood, and provides superior durability. It is the most commonly ordered exterior material for our Urban Grove Series products.

Select a color from our palette of 19 durable extruded aluminum colors, including a spectrum of rich hues and three pearlescent finishes. If you have more specialized needs, we can also work with you to create a custom color.

### ■ BEST-SELLING COLOR

RAL 9016 TRAFFIC WHITE

RAL 7047 TELEGREY 3

RAL 7045 TELEGREY 1

RAL 7046 TELEGREY 2

RAL 9004 SIGNAL BLACK

RAL 9005 JET BLACK

### ■ CUSTOM COLOR

RAL 7044 Silk grey

RAL 7048 Pearl mouse grey

RAL 7040 Window grey

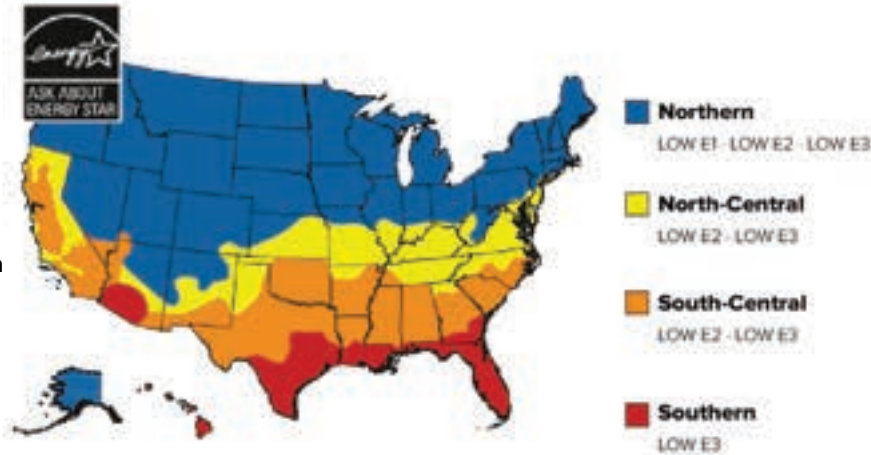
RAL 7042 Traffic grey A

RAL 8008 Olive brown

RAL 7016 Anthracite grey

## GLASS + GLAZING

The thermal and structural properties of wood combined with the right glazing make Duralumi wood and extruded aluminum clad products an optimal choice for energy efficiency. We offer dozens of window and door options with two or three panes of glass and a range of glazing options to meet the performance challenges of any climate.



### ■ DUAL PANE GLAZING

Our standard glazing is dual pane: two panes of glass with Low E coatings and insulated with argon gas. Compared to a single glass pane, dual pane glass cuts energy costs significantly because of low emissivity coating and the gas-filled insulating space between the glass layers.



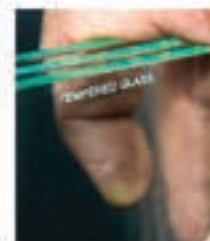
### ■ TRIPLE PANE GLAZING

Triple pane glazing consists of three panes of glass with Low E coatings applied to the surface. Two glass spaces are insulated with argon gas between the panes. Available in products where glazing thickness can be greater than 3/4 inch.



#### TIME-SAVING FILM

We help protect our products during delivery and construction with a translucent film on the glass. It also minimizes time spent masking on the jobsite, then peels away for a virtually spotless window.



#### ADDITIONAL GLASS OPTIONS

**TEMPERED** safety glass (standard on all Luvindow windows and doors).  
**OBSCURE** patterned glass to let in light while obscuring vision.

## GLASS COATINGS

Low E coatings are microscopically thin, essentially invisible coatings on the glass surface that help manage the amount of light and heat conducted through a window pane or reflected away from it, reducing a home's dependence on heat and air conditioning. The national ENERGY STAR® program recognizes products that meet strict energy-efficiency guidelines to suit climates in different areas of the country, and Duralumi offers products to meet climate and code requirements in every region.

#### LOW E1

Low E1 coating is a good choice when you want maximum solar heat gain and radiant heating properties. This type of coating is generally used in Northern climates where heating is prioritized over cooling. You'll reap maximum benefits when windows with this type of coating are positioned to receive direct sun exposure.

#### LOW E2

The most common Low E coating since it works well across most geographic regions and climates. Low E2 with two metallic coatings balances less solar heat gain and improved radiant heating properties.

#### LOW E3

Used in applications where solar heat gain may be a concern, Low E3 coating uses multiple metallic layers for radiant properties similar to Low E2. This type of coating is most commonly used in Southern, sunny climates where cooling is prioritized over heating.



## About the NFRC

The National Fenestration Rating Council (NFRC) is a nonpartisan coalition of professionals whose purpose is to provide fair, accurate and credible energy performance ratings for fenestration products. NFRC's membership includes manufacturers, suppliers, designers, specifiers, utility companies, government agencies and other building industry representatives.

Andersen Corporation is a founding member of the NFRC and continues to support its work by providing fair, accurate and credible energy performance ratings to consumers and the building industry.

## About the Label

Look for this certification label on every window and patio door you buy. The NFRC section was designed by the National Fenestration Rating Council to provide accurate information that helps you promote the energy efficiency of the homes you build. These ratings allow you - and your customers - to measure and compare the energy performance of similar products. If the product does not have this label, the NFRC has not verified its claims.

**U-Factor** indicates how well a product prevents heat from escaping (the lower the number, the better).

**Visible Transmittance** refers to how much visible light comes through a product (the closer to 1.0, the more light is transmitted).

**WDMA Hallmark Certification** verifies the performance ratings of this product were tested by a third-part testing laboratory.

**Test Standards**

**Florida Product Approval Number, Miami-Dade County Notice of Acceptance (NOA) Number or Texas Department of Insurance (TDI) Number**

Do not remove until final code inspection. Save label for future reference.

**ENERGY STAR® Certified in Highlighted Regions**  
Certifie ENERGY STAR dans les regions en surbrillance

Canada  
energystar.gc.ca

**ENERGY STAR**  
U.S. / E.U.  
energystar.gov

**ER/RE 28**

**Doorwin Windows Inc.**  
Fixed Window  
Thermal Break Aluminum Frame  
Double Glazing / Low-E / Argon Fill  
/ WE-Spacer TS-D

**ENERGY PERFORMANCE RATINGS**

U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.17</b>	<b>0.15</b>

**ADDITIONAL PERFORMANCE RATINGS**

Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.22</b>	<b>≤0.3</b>

**WDMA** WINDOW & DOOR MANUFACTURERS ASSOCIATION

Licensee: 129-H-774  
Andersen Corporation  
400 Series Casement Picture Window  
with Stormwatch Protection

STANDARD	RATING
AAMA / WDMA / CSA 101 / 15.2 / A440-08	Glass LCPG20: Size Tested 59.9 in x 71.9 in CP +70 / -70 psf
AAMA / WDMA / CSA 101 / 15.2 / A440-08	Glass LCPG20: Size Tested 59.9 in x 71.9 in CP +70 / -70 psf
AAMA / WDMA / CSA 101 / 15.2 / A440-08 A440S1-09	Glass LCPG20: Size Tested 1520mm x 1829mm DP +3360 / -3840 Pa Water Penetration Resistance Test Pressure - 540 ps California Air 1st
ASTM E1886 / E1996	DP +70 / -70 psf, Missile D, Wind Zone 4
FL 15905	
Glazing: 4.0mm AN outer / 11.7mm LG (4.7mm AN / 4.7mm AN) inner	

**WARNING**

This product can expose you to chemicals including titanium dioxide, which is known in the state of California to cause cancer, and methanol, which is known to the state of California to cause birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Meets or exceeds CEC & IECC Air Infiltration Requirements of 0.2 CFM/sq.ft. or lower.  
WDMA Hallmark Certification Program, Complies with HUD UM Bulletin No.111

**Energy Rating (ER)** represents "Energy Rating" and is a rating used in Canada for product comparison purposes (the higher the ER number, the more energy saved during the heating season)

**ENERGY STAR® Climate Zone Map** is based on U-Factor and solar heat gain coefficient criteria for specific ENERGY STAR climate zones within the United States and Canada. The shading of the map shows which climate zone(s) a particular product and glass type is ENERGY STAR certified in.

**Solar Heat Gain Coefficient** measures how well a product blocks heat caused by sunlight (the lower the number, the more it will help reduce the use of air conditioning and as a result, reduce electrical bills and energy use).

**Performance Grade (PG) and Design PRESSURE (DP) Ratings**

**Impact-Resistant Glass Construction**



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**ER/RE 28**

**Doorwin Windows Inc.**  
Fixed Window  
Thermal Break Aluminum Frame  
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U-Factor (U.S. I-P)	Solar Heat Gain Coefficient
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**ADDITIONAL PERFORMANCE RATINGS**

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**WDMA** WINDOW & DOOR MANUFACTURERS ASSOCIATION  
Licensee: 129-H-774  
Andersen Corporation  
400 Series Casement Picture Window  
with Stormwatch Protection

STANDARD	RATING
AAMA / WDMA / CSA 101 / 15.2 / A440-B	Glass LC PG70: Size Tested 59.9 in x 71.9 in CP * 70 / -70 psf
AAMA / WDMA / CSA 101 / 15.2 / A440-B	Glass LC PG70: Size Tested 59.9 in x 71.9 in CP * 70 / -70 psf
AAMA / WDMA / CSA 101 / 15.2 / A440-B A440-B-09	Glass LC PG70: Size Tested 1520mm x 1829mm DP +3380 / -3840 Pa Water Penetration Resistance Test Pressure - 540 ps California Air 4R
ASTM E1886 / E1998	DP * 70 / -70 psf, Mixed D. Wind Zone 4
FL 15905	
Glazing: 4.0mm AN outer / 8.7mm LG (4.7mm AN / 4.7mm AN) inner	

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**Performance Grade (PG) and Design PRESSURE (DP) Ratings**

**Impact-Resistant Glass Construction**





## *Frame Every Moment, Shape a Brighter Future*

We are passionate, we are Luvindow - where quality, innovation, and customer satisfaction open the door to a world of possibilities.



**DURALUMi**  
BY MAGNOLIA DOORS

Official Website: [www.magnoliadoors.com/duralumi](http://www.magnoliadoors.com/duralumi)

Email: [jlfernandez@ams-gr.com](mailto:jlfernandez@ams-gr.com)

Phone: (210) 685-9410

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