



# Envision Series

Commercial Casement and Projected Windows for Retrofit and New Construction

## Envision, achieving new heights

VPI Quality Windows, a leader in high performance vinyl commercial window systems, introduces the next generation of windows for mid- and high-rise building applications, *the Envision Series*.

Energy codes continue to evolve, requiring new approaches to building cladding and fenestration design. A ground-breaking new window and door system, *the Envision Series* combines the proven energy efficiency of PVC with the robust structural strength needed in high wind load applications. Providing new design freedom with multiple fused colors, the Envision Series is available in a wide variety of weather-tight configurations.

## Strength and beauty

A vinyl window designed to meet the strict structural performance standards of the AW classification, Envision provides thermal performance not possible in traditional aluminum or fiberglass windows and gives you substantial design flexibility. Whether it's a building-length ribbon wall or a single window configured for your contemporary mixed use project, every panel can be designed for the space behind it. Architectural bronze on the exterior and adobe on the inside? It can now be done with Envision's patented dual-coextrusion, color infused process.

Aluminum windows have become all but nonexistent in new residential applications. Cold and inefficient, they have been replaced by vinyl framed products. Available in fixed, hopper, casement and door operation types or combinations of each, Envision's leak proof fusion welded corners and warm, condensation resistant vinyl frames are here to offer a step up for the commercial window market.

*The evolution is complete for mid- and high-rise commercial and mixed use applications.  
The future belongs to the Envision Series!*

 ENVISION  
S E R I E S

*Specify the ideal mix of strength, energy performance and aesthetics with Envision!*



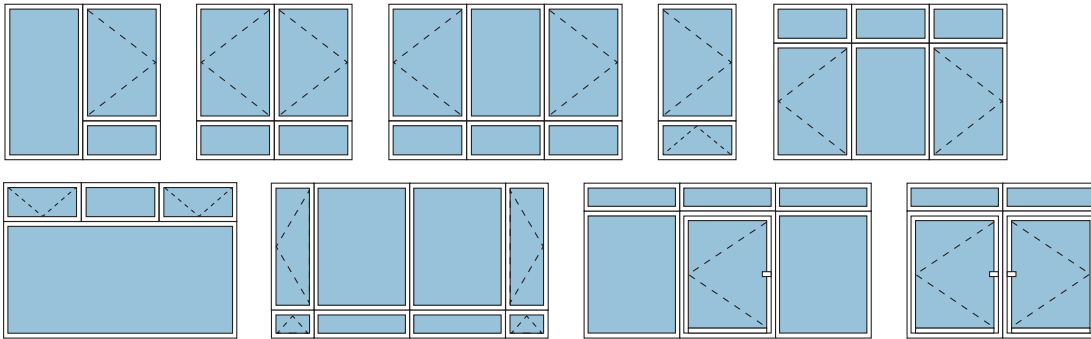
VPI Quality Windows manufactures ENERGY STAR® qualified products, that use less energy.

# Commercial-Rated Performance:

## Mid- To High-Rise Construction

PRODUCT	PERFORMANCE							
Window Type	Test Size	AAMA	Infil (CFM/ft <sup>2</sup> )	Exfil (CFM/ft <sup>2</sup> )	Water (PSF)	U-Factor	SHGC	VT
Casement-Int. Glazed	36" x 60"	CW-PG60	.01	.01	9.20	.27	.14	.32
Hopper-Int. Glazed	60" x 36"	CW-PG55	.03	.02	8.35	.27	.14	.32
Door Type	Test Size	AAMA	Infil (CFM/ft <sup>2</sup> )	Exfil (CFM/ft <sup>2</sup> )	Water (PSF)	U-Factor	SHGC	VT
Inswing-Int. Glazed	41" x 96"	CW-PG50	.03	.02	7.52	.25	.16	.35
Inswing-Int. Glazed ADA	41" x 96"	CW-PG50	.26	.20	0.00	.25	.16	.35
Outswing-Int. Glazed	41" x 96"	CW-PG45	.01	.01	6.90	.25	.16	.35
Outswing-Int. Glazed ADA	41" x 96"	CW-PG55	.03	.04	0.00	.25	.16	.35
Combination Units	Test Size	AAMA	Infil (CFM/ft <sup>2</sup> )	Exfil (CFM/ft <sup>2</sup> )	Water (PSF)	U-Factor		
Casement - Picture - Casement	144" x 78"	AW-PG60	.01	.01	9.20	.27	.14	.32

### Standard Configuration Features:



PRODUCT	STC & OITC PERFORMANCE								
Window Type	Test Size	Glass Configuration			Spacer Size	Argon	Lami	STC	OITC
Casement-Int. glazed								Testing in Progress	
Fixed-Int. glazed								Testing in Progress	
Hopper-Int. glazed								Testing in Progress	
Picture over Awning (Int Glazed)								Testing in Progress	
Picture over Hopper (Int Glazed)								Testing in Progress	
6-Lite (Interior Glazed)								Testing in Progress	

### Standard Features on all Configurations:

- **COMPRESSION-SEAL DESIGN** enhances protection against water intrusion, air infiltration, and allows ease of glass replacement
- **VINYL FRAMES** Increase thermal performance, add color options, and reduce condensation
- **FRAME AND SASH** have hollow compartments that allow for optimal reinforcement required in heavy commercial applications
- **FUSION WELDED CORNERS** provide environmental comfort and protect against leaks
- **MULTIPLE LOCKING POINTS** ensure security and provide a triple weather seal for superior air and water resistance
- **EASY TO OPERATE HARDWARE** delivers a wide opening for ventilation and cleaning
- **INTEGRAL BAR** allows for freedom of design while maintaining structural and thermal performance

# Selected CAD Details

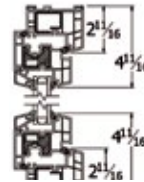


## Hopper Window

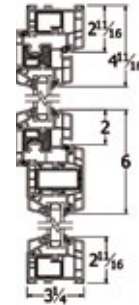
3/4" Frame Depth



Hopper  
Horizontal Cross Section



Hopper Vertical  
Horizontal Cross Section

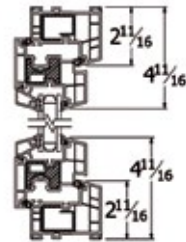


Hopper Above Picture  
Horizontal Cross Section

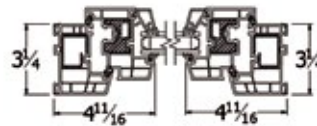


## Casement Window

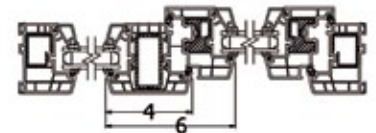
3/4" Frame Depth



Casement  
Vertical Cross Section



Casement  
Horizontal Cross Section

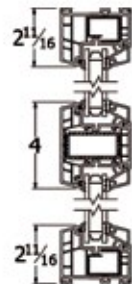


Casement Picture  
Horizontal Cross Section

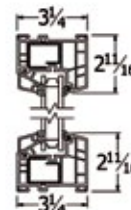


## Fixed Window

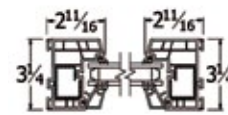
3/4" Frame Depth



Fixed Above Picture  
Cross Section



Fixed Horizontal Cross  
Section

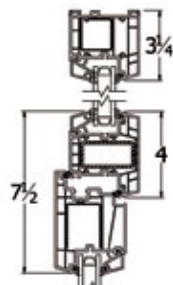


Fixed Vertical Cross  
Section



## Swing Door

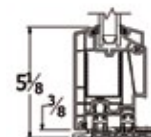
3/4" Frame Width



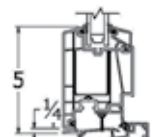
Outswing Door with  
Transom Above



Inswing Door Common



Outswing Door Low Profile  
(LP)



Outswing Door High Profile  
(H P)

# Envision by VPI Quality Windows



## Test- and Performance-Proven

Envision features a proprietary vinyl compound. Formulated to withstand the toughest conditions and standards, it is tested tough and real-world proven. This vinyl compound has been through the harshest field test environments: hot, dry Arizona desert, Floridian heat and humidity, and extreme Midwestern weather.

Additionally, ASTM test procedures verify this vinyl's Delta-E performance. It surpasses strict industry measures for color fastness and UV degradation and won't chalk or appreciably fade, even after years of weather performance.

The system incorporates superior, patent-pending, SuperCapSR™ thermally-fused color technology, which absorbs less heat to prevent heat-related profile distortion, even in darker colors.

SuperCapSR is available in architectural bronze, adobe, black, and silver (replicating a clear anodized aluminum finish). Also available in white, adobe, or almond MikronBlend® vinyl compound.



## Colors:

### MikronBlend



white



adobe



almond

### SuperCapSR



architectural  
bronze



black



silver  
(clear anodized  
appearance)



\*Printing limitations prevent exact color duplication. Contact your VPI representative for color samples.



## Exceeds Tough Industry Standards:

- AAMA 613 for Color Retention
- AAMA 614 for Weathering
- AAMA 615 for Durability, testing to 12x harder than competitive paint coatings
- Tested and passed per ASTM: D3363, D4214, D2247, D4585, D714, D523, D4726, D3359, D4803 and D968

## Celebrating our 25th anniversary

A quarter century of window manufacturing has resulted in VPI's ability to manufacture the highest quality vinyl windows in the United States, offering the best combination of new technology, performance and value. Our dedication to quality gives you the confidence that your windows will provide long-lasting, durable performance.

VPI is known throughout the western United States for having industry leading vinyl window technology and manufacturing processes that are specified and used by architects, envelope consultants, developers, general contractors and homeowners. We have over 120,000 square feet of manufacturing space located in Spokane, WA and Beaverton, OR, with on-site engineering support in both locations. If your commercial or residential project demands superior windows and doors, the clear choice is *VPI Quality Windows*.



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