



# EUROWIND

*Quality Tested. Nature Approved.*

***Commercial Windows and Doors***





## EUROWIND Commercial Windows and Doors

The EUROWIND system is a commercial grade window and door that utilizes all the benefits of PVC to satisfy the acoustic, thermal, security and structural requirements demanded by architects and building owners. Advanced German engineering combined with the latest US manufacturing makes the EURO-WIND system among the highest performing in the market today.

Energy use is more critical now than ever. Unlike thermal conducting aluminum windows (that rely on a thermal break, which compromises the integrity of the aluminum frame and may be subject to dry shrinkage), PVC is a natural insulator.

EUROWIND's heavy gauge vinyl extrusions are designed with 5 internal chambers formed by vertical interior and exterior vinyl walls. Exterior walls are designed to meet impact and weathering performance while interior walls are added for structural integrity, weld strength at the corners, and "dead air" insulation performance. Properly used trapped air greatly increases the insulating properties of the frame and sash.

Aluminum windows use mechanical fasteners to join frame and sash corners. These connections are subject to racking and air/water leakage. Instead, PVC window systems use fully

fusion welded frame and sash corners. Cut at two complementing angles, the PVC pieces are slightly softened by heated welding plates. The pieces are joined under pressure and the material is allowed to cool. The result is a water tight joint that gains its superior strength from the entire cross section of the profile instead of only a few screw points. Strength tests conducted on these joints have shown that welded window systems have a superior strength over mechanically fastened sashes and frames. Ultimately, these methods combine for longer lasting and more dependable window and door systems.

The high thermal insulation value advantages of the EUROWIND system can lead to cost savings and the reduction of energy use. Since these are ventilating units, the HVAC system is no longer the only means of providing air exchange thereby creating a healthier indoor environment. The EURO-WIND's exceptional performance can help you score LEED points in the Energy & Atmosphere, Materials & Resources and Indoor Environmental Quality categories. Energy Star rated, AAMA and NFRC certified EUROWIND windows and doors conserve resources and preserve landmark buildings.



tilt and turn



tilt and turn hung look



sliding



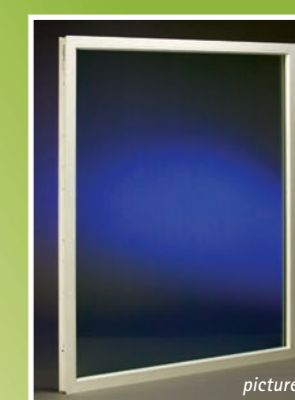
casement



hopper



awning



picture



Operable Tilt/Turn and Sliding windows as used in this structure means that the HVAC unit is not the only means of air exchange.



## Awning and Hopper Window

The awning and hopper window styles are often selected for use in small spaces because they open completely allowing for positive ventilation. Awning windows are hinged at the top, opening out and are designed to circulate air while protecting the interior from light rain. Hopper windows are hinged at the bottom, opening in and are designed to offer ventilation and security. Awning windows are commonly used in combination with casement or fixed window units to add appeal aesthetics as well as ventilation while hoppers are generally used in ground level rooms providing ventilation and security.

## Picture Window

Built with the Tilt and Turn frame our Picture windows are fixed units used singularly or mulled in groups with other non-operable units or in combination with casements, awnings or doors. Typically, picture windows are used where a focal point or maximum light admission is desired or as strip or ribbon windows as used in commercial construction.



Large tilt/turn windows allow maximum light, ventilation and emergency egress.

## Tilt and Turn Window

The EUROWIND Tilt and Turn window is a dual functioning window designed to provide ventilation, security, emergency egress and easy cleaning from inside of the room. Featuring single handle operation simply turn the handle 90° and it swings in (this turn function may be key operated for safety) turn the handle 180° and it tilts in to a secure position at the top providing ventilation and security.

## Sliding Window

The EUROWIND Sliding window is offered as a 2 lite configuration with fixed and operable sash combination and multi-point locking. The commercial grade sash smoothly operates with steel rollers gliding along a steel track.

## Casement Window

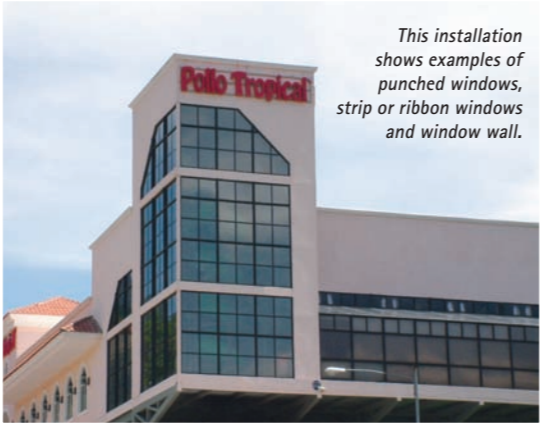
Our European style casements use projection friction stays and espagnolette locking instead of crank handles. The windows hinged sash swings in or out providing greater ventilation than typical hungs or sliders. These casements can provide emergency egress if needed.



Low maintenance steel reinforced PVC sash and frames allows the EUROWIND system to be used in high rise applications.

Storefront

For storefront construction the EUROWIND Commercial Window and Door System is the perfect choice. EUROWIND windows can be configured as ribbon, window walls or punched openings. Low profile aluminum sill to satisfy ADA requirements, outswing and panic hardware are available. Working directly with architects, builders, contractors, developers and owners from the initial design phase to the end product results in facilities that meet and exceed the cost and performance demands.



This installation shows examples of punched windows, strip or ribbon windows and window wall.



This example shows key operated in-swing doors with fixed panel windows and transoms forming a window wall. All high grade commercial PVC is laminated using exterior textured foil.

Swing, French and Tilt/Turn Doors

Single Swing, French and Tilt/Turn Doors are designed to have all the style, durability, weather resistance and security features of our windows. These doors come in a range of styles to complement the windows and overall look of your building project. You can specify either heavy duty butt style hinge for entry doors or tilt/turn hardware that matches perfectly with the look and function of our tilt/turn windows.



The EUROWIND wood grain foil laminated PVC Windows and Doors were used to provide a "natural looking wood finish".



EUROWIND PVC windows and doors provide superior energy efficiency and sound transmission control.



Available with flush mount aluminum or vinyl sill cover.



Powder coated butt style hinge.



Locking stainless steel hardware.



Traditional swing entry door hardware.



Swing door with tilt/turn hardware.



Tilt/Swing with operable sidelite.

Fold and Slide Bi-Fold Door

The EUROWIND Fold and Slide door system offers contemporary style, effective design, excellent reliability, superior operating performance and smooth integration into any architectural style and space. These door systems are engineered using high quality PVC profiles with superior hinge and locking systems that are reliable, secure and weather resistant.

The expertly engineered glide rollers offer smooth and dependable performance. Choose from three to seven operating panels in various configurations and vinyl or aluminum sill. The door systems are available in a range of colors including white vinyl, wood grain laminates; such as mahogany, golden oak, walnut or marcore and a variety of other painted colors.



Example of 5-lite Fold and Slide Door, the system supports 3 to 7 sash combinations.



All folding sashes are moved to the side to form a slim package. All 3 to 7 sash units are equipped with an optional Tilt and Turn passage (in-swing or out-swing) door. In the secured tilt position, this sash offers additional possibility of ventilation.

Tilt and Slide Door

The Parallel Tilt and Slide door can be operated in three positions: closed, tilt and slide. By turning the handle 90°, the door automatically opens into a secured tilt position at the top making it ideal for ventilation. A further 90° downward twist of the handle and the door swings out at the bottom letting the door slide parallel to the side into a preferred opening position. Even a door or sash that weights up to 440 pounds can easily be operated with one hand.



With the multi-lock security concept specific security components protect the locking mechanism against forced entry, lifting and prying the sliding sash open is made extremely difficult.

The Parallel Tilt and Slide tilts into a secured position allowing for ventilation and security.



The Parallel Tilt and Slide door operates much like a minivan door.

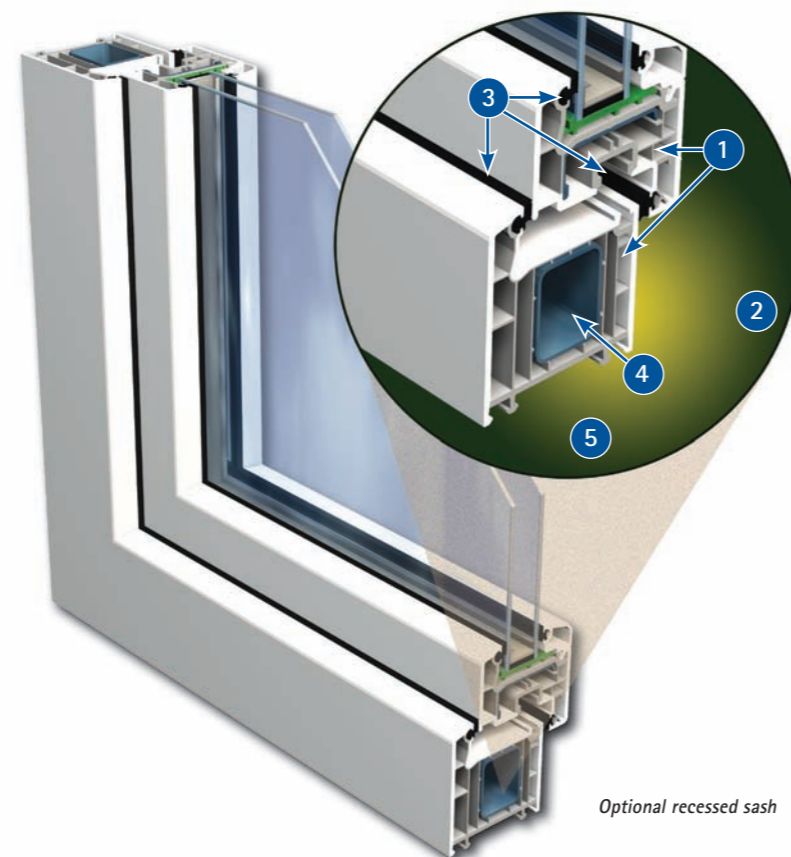
EUROWIND Commercial Window Matrix

Product		Frame	Glazing	Performance		
EUROWIND 70	Window Type	Frame Height	Sash Height	DP Rating	Unit Size	Size Limitations
	Picture	80mm	N/A	DP-70	60" x 97"	70 Sq Ft
	Picture	67mm	N/A	DP-60	55.5"x71.5"	64 Sq Ft
	Casement	67mm	80mm	DP-45	48" x 71"	48" x 72"
	Tilt/Turn	80mm	80mm	PG-100	48" x 72"	55" x 95"
	Tilt/Turn	80mm	80mm	DP-55	60" x 99"	55" x 95"
	Tilt/Turn w/Transom	80mm	80mm	DP-55	47.5" x 87"	48" x 96"
	Tilt/Turn w/Fixed Lite	80mm	80mm	DP-50	95" x 72"	96" x 72"
	Slider	55mm	90.5mm	DP-35	77" x 86"	96" x 72"
	Tilt/Slide Door	100mm	105mm	DP-50	79" x 83"	96" x 96"
	Awning	67mm	80mm	DP-50	60" x 40"	60" x 40"
	Inswing Door	80mm	105mm	DP-50	72" x 99"	72" x 96"
	Outswing Door	100mm	105mm	DP-50	79" x 83"	72" x 96"

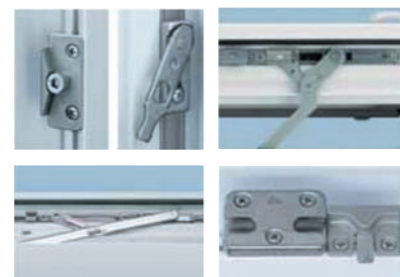
- 1 **Co-extruded substrate** contains at least 40% recycled material which qualifies for up to 2 LEED points for building certification.
- 2 **High Thermal Insulation Values** of up to R-Value 5 are achievable (depending on glazing) Triple glaze, Low E Argon, 1-1/2" IG U=0.20 reduces heating costs noticeably.
- 3 **High-quality replaceable gaskets**, are standard in a neutral black and comprise the system of dual compression-seals that keeps the cold, draft and moisture outside.
- 4 **Galvanized Steel Reinforcing** used according to EUROWIND's fabrication requirements, supports structural integrity 3 times that of aluminum.
- 5 **5 Chamber Profile** with a basic overall depth of 70 mm (2-3/4"): is an ideal use of dead air's natural insulating characteristics.

U-Factor Ranges for Various Materials	
Frame Material	U-Factor
Aluminum (no thermal break)	1.7-2.4
Aluminum (thermal break)	0.6-1.3
Aluminum Clad Wood/Reinforced PVC	0.4-0.6
Wood and PVC	0.3-0.5
Foam Filled PVC	0.2-0.4

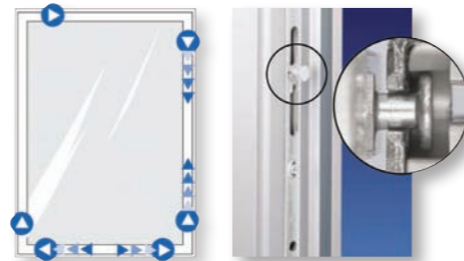
## Beveled Multi-Chamberd Frame & Sash



## Hardware Options



Smooth running, weather resistant high quality metal operating and locking hardware provides years of trouble free performance.



EUROWIND's multi-point locking requires less latch points to achieve better stability. Fewer locking points mean less wear, less frequent adjustments and less operating force to open and close.



Handles available in white powder coated, brushed stainless steel, black and polished brass.

The mushroom-shaped head of the locking cam offers exceptional security and facilitates adjustment of gasket compression.

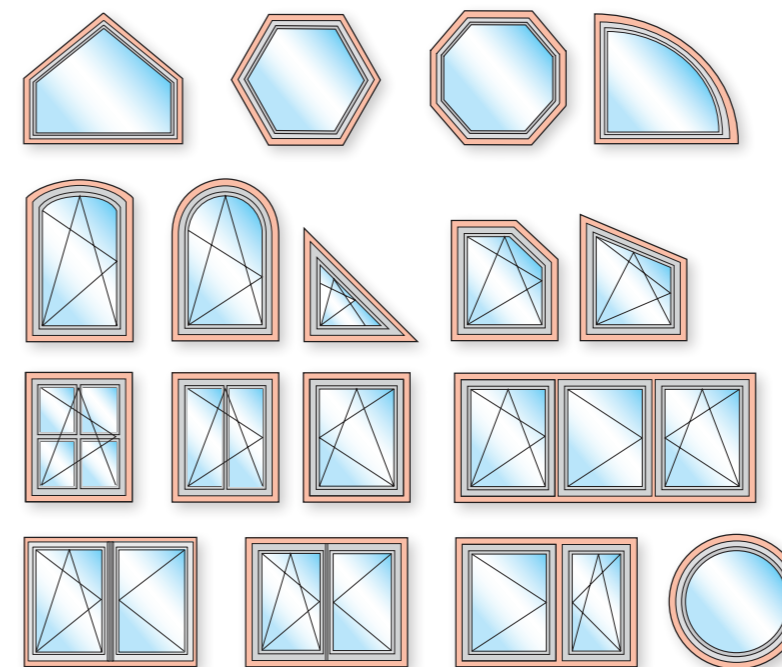


## Standard Colors and Laminates



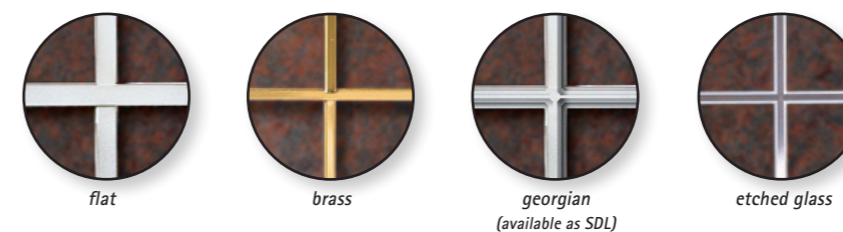
Standard color and wood grain laminates are inventoried at EUROWIND Inc., minimal leadtimes apply. Other colors and laminates are available and longer leadtimes apply, consult your representative for details.

## Architectural Shapes



Some typical fixed and operable EUROWIND window configurations. Availability is not limited to the examples shown here, consult your dealer for size and configuration availability.

## Muntins and Simulated Divided Lite Grilles



Now, there's no need to reconsider the lustrous look of wood when you choose the convenience, long-life and low maintenance of modern foil technology. Choose the wood grain or color that best suits the character of your building, either to blend in with the style or even to make a statement in its own right. State-of-the-art foils mean the appearance and even the texture of beautiful natural woodgrains and colors can be made more lifelike than, ever while the bonded surface complements all the well-known and low maintenance benefits of PVC.

Add interest and drama to your project by utilizing custom architectural shapes. These fixed or operable units can be used alone or mulled to the standard configurations to create a wall of light or simply a focal point.

Whether you are working toward a sleek contemporary design or are striving to preserve historical accuracy, between the glass muntins and exterior mounted simulated divided lite grilles are available in a number of styles, colors and materials. Mullions and grids can also be used for example on the more efficient casement window to impart the look of a more traditional hung window.

EUROWIND PVC windows exhibit superior performance throughout their lifecycle and are an environmentally responsible choice as a building product. Through manufacture of vinyl resin, to the fabrication of PVC windows, to end of service life, including recycling and disposal, the environmental impact of PVC windows compares favorably with competitive materials.



## EUROWIND

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