

ALUMINUM STORM WINDOWS



ALUMINUM
STORM WINDOWS
ARCHITECTURAL INTEGRITY AND PROTECTION

STORM WINDOW ADVANTAGES

- Maintenance Free
- Weather Protection
- Reduce Outside Noise
- Protect Original Windows
- Easy to Install - No Mess!*

WHY CHOSE ALUMINUM STORM WINDOWS?

- Custom-built to your exact specifications
- Constructed of heavy-duty, extruded aluminum for long life and structural integrity
- Creates a dead air space that helps block energy transfer
- Complement your home with one of 17 colors
- Low-E and other glass options available
- Lifetime Limited Transferable Warranty*

* The basic installation of ProVia Storm Windows is excluded by definition from the U.S. EPA Lead-Based Repair, Replace and Painting Program (RRP Rule).



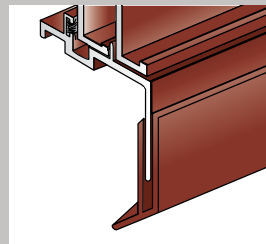
Latch bolts, swivel sash keys and sash guides have been designed for improved durability and functionality



Wrap around marine glazing seals glass firmly into sash



Anti-bow pins ensure sashes will resist bowing under heavy wind loads (double hung only)



Adjustable 1" bottom expander simplifies installation for out of square openings and is weeped for drainage (except on #140 picture models)



Nylon pivot pins ensure smooth sash operation (double hung only)



Heavy-duty sash interlock seals out the elements (double hung & sliders)



Shown: Mountain Berry Storm Windows

WHY CHOOSE **LOW-E** GLASS FOR YOUR WINDOW

Save Money and get Quick Payback!

Over 800,000 homes annually have storm windows installed¹, with virtually all having clear uncoated glass, reducing the heating load by only 13% with a 10 year simple payback².

In a Chicago study, Low-E storm windows showed marked improvement over the clear glass benefits amounting to an average of 21% heat load reduction and an average payback of 4.5 years².

Cost-effective alternative to total window replacement

Warmer in winter; average of 21% heat load reduction²

Cooler in summer; reduces solar heat gain

Reduces air infiltration

Storm windows are designed to be installed over existing windows having sloped sills and are not intended to be used as a primary window. Regardless of application, product warranty does not cover issues such as leaking and condensation.

¹ U.S. DOE, September 2014 - "Low-E Storms: The Next "Big" Thing" in Window Retrofits" by Pam Cole, Pacific Northwest Laboratory and U.S. DOE, June 2013 - "Low-E Storm Windows: Market Assessment and Pathways to Market Transformation" by KA Cort, Pacific Northwest Laboratory

² S. Craig Drumheller - NAHB Research Center, Christian Kohler - Lawrence Berkeley National Laboratory, Stefanie Minen - Uvilvate Technologies, *Field Evaluation of Low-E Storm Windows*, 2007





DOUBLE HUNG

Town & Country

Triple Track Operation with Inside Operating Half Screen

Double Track Operation with Screen Under Exterior Sash

Mitered Frame Corners with Contoured Master Frame

Full Perimeter Black Vinyl Frame Liner

Mid-Window Stabilizer Bar

Removable Tilt In Sashes and Half Screen

Ratcheted Sash Stops every 1 $\frac{5}{8}$ " on Top and Bottom Sashes

Coated Springs and Polymer Constructed Latch Bolts



Mitered frame corners provide superior strength and beauty. For extra elegance we have a contoured master frame.

DOUBLE HUNG

Concord

Triple Track Operation with Inside Operating Half Screen

Double Track Operation with Screen Under Exterior Sash

Butted Frame Corners and Contemporary Look

Optional External Full Screen

Full Perimeter Weatherstripping

Mid-Window Stabilizer Bar

Removable Tilt-In Sashes and Half Screen

Ratcheted Sash Stops every 1 $\frac{5}{8}$ " on Top and Bottom Sashes



Butted frame corners give this window exceptional strength. The square frame also creates a clean contemporary look.

SLIDER

Valley Forge

Mitered Frame Corners

Available in 2 or 3-Lite Models
(3-Lite Available in 1/4, 1/2, 1/4 or 1/3, 1/3, 1/3
or Custom)

Hollow Sill Construction Provides Drainage
Control

Full Length Pull Rail with Spring-Loaded Latches

Delrin® Rollers with Stainless Steel Housing

Stabilizer Bar in Screens over 40" Tall

PICTURE

Clinton 240

Mitered Frame Corners

Available with Outside Removable Sash

Sash Clips for Removable Screen and Sash

Full Perimeter Weatherstripping

Available in 1, 2, 3, or 4 Lite Units

Architectural Shapes Available as Special Order with
Additional Lead Time (See page 6 for more details.)

Also Available in 140 and 630 (Inside Removable) Styles



Inside Latch



STORM WINDOW COMPARISON

	Town & Country Double Hung 520/527	Concord Double Hung 696/697	Valley Forge 2-Lite Slider 422	Valley Forge 3-Lite Slider 423	Clinton Outside Removable 140/240	Clinton Inside Removable 630
Mitered & Screwed Corner Construction	●	Butted & Screwed	●	●	●	●
Color Matched Installation Screws	●	●	●	●	●	●
Frame Profile	Contoured with Vinyl Liner	Square	Square	Square	Square	Contoured
Wrap Around Marine Glazing	●	●	●	●	●	●
Standard Screen Size	Half	Half (Full screen optional)	Half	Two	Full Optional	Full
Full Perimeter Weatherstripping	●	●	●	●	●	●
Stabilizing Bar	Horizontal	Horizontal	Vertical	Vertical	N/A	N/A
17 Standard Colors	●	●	●	●	●	●

COLOR OPTIONS

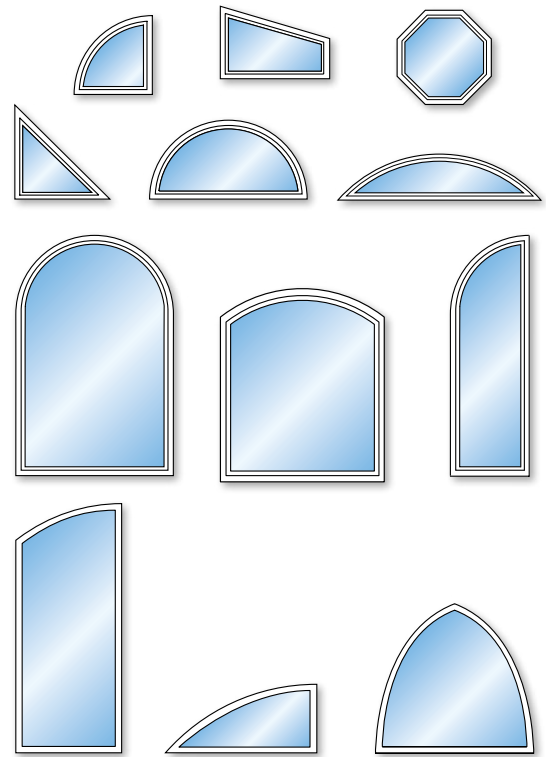
Our oven-baked finishes are backed by a Lifetime Limited Warranty for lasting beauty and low maintenance. These finishes are also available on ProVia Storm Doors, Entry Doors, Vinyl Windows and Patio Doors.



Always refer to our color selector for accurate color representation.

ARCHITECTURAL SHAPES

Nothing adds drama to a home like specialized architectural shapes. Customized shapes are available in a wide variety of styles, some of which are shown below.



Architectural shapes available as special order with additional lead time.



Shown: Enzian Blue Storm Windows

ADD EXTRA PRIVACY AND TINT TO YOUR WINDOW

Privacy Options

Choose from Obscure Pebble or Gluechip glass if you need light to filter in, yet want to maintain privacy.



OBSCURE PEBBLE



GLUECHIP

Actual privacy levels will vary depending on your distance from the glass and also the amount of light in the room in comparison to the light outside your home. Privacy glass is not available for shaped storm windows.

Tint Options

Tinted glass can help reduce UV transmittance, solar heat gain and glare. Tinted glass options can give a room a whole new look, providing its own unique set of benefits. Be sure to choose the right one for your home.



Gray Tint

Excellent glare control
Exceptional protection against interior fabric and color fading
Ultraviolet light protection



Bronze Tint

High visible light transmittance
Warm glow to interior décors
Complements brick and stone
Ultraviolet light protection



Green Tint

Subdues interior brightness
High visible light transmittance



Blue Tint

Low shading coefficient
High visible light transmittance
Solar performance (reduces solar heat gain)

Additional Glass Options

Single glazed clear glass available in single strength and double strength.

Low-E and tempered glass options available.

1/8" Acrylic available in place of glass.





“To serve, by caring for details in ways others won’t.” It’s not just our mission, but a way of letting our light shine every day at ProVia®. We continually strive to put these words into action by providing unmatched quality and service. The P-icon symbolizes each employee’s commitment to devoting the utmost care, pride and quality into each building product we manufacture...it’s The Professional Way.



DOORS | WINDOWS
SIDING | STONE | ROOFING

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P-MK-0070-20 | 1/20

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