



Series 9000 Residential Windows

The Series 9000 Residential Window Product Line represents a superior choice for architects and builders. Prime Window Systems' Series 9000 is engineered to provide the highest performance and quality in vinyl windows.

Prime's SERIES 9000 has combined the best available materials to provide maximum energy efficiency, durability, and performance into this full-featured product line. The 9000 Series provides an integrated system of window designs, allowing an architect to combine several window types within a project.

Series 9000 windows and patio doors are available in standard or custom sizes and shapes. An original design can be created by incorporating bays, bows, circles, octagons, round tops, and gable cuts in addition to mullied combinations. All windows in this series may be ordered as mullied assemblies, while retaining modular callout sizes. Also, a variety of sidelite and transom sizes can be combined with the 4-9/16" Patio Door frame.

Optional grids, sealed between the two panes of glass, are produced in a variety of patterns. When specified, exact alignment is available between windows, adding symmetry to your design.

A wide range of NFRC Certified glazing options provide superior energy efficiency and comfort levels.

The Series 9000's integral, pre-punched Nail Fin provides for jobsite efficiency and a weather tight installation.

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I. GENERAL REQUIREMENTS

- A. Provide **Prime Window Systems' Series 9000 Windows** where shown on the drawings, according to the following specifications.
- B. Work Included:
 - 1. Shop fabricated rigid polyvinyl chloride (PVC) windows and doors.
 - 2. Shop glazing.
 - 3. Operating hardware and weatherstripping, and screens.
- C. Quality Assurance:
 - 1. Manufacturer must have been in production of vinyl windows for at least five years.
 - 2. Products must be individually labeled with NFRC Thermal Certification, and AAMA Structural Certification labels, indicating the specified performance levels.
 - 3. All extrusions used must be listed in the AAMA Certified PVC Extrusions Directory for conformance to AAMA 109 procedures.
 - 4. Windows and doors must be installed plumb and true into prepared openings in accordance with approved shop drawings or the latest version of AAMA 2400 or ASTM E2112.
- D. Delivery, Storage, and Handling:
 - 1. Deliver windows to jobsite.
 - 2. Identify each window with series type, U-factor, and work order number.
 - 3. Store off ground, on a flat surface in a near vertical position, under cover and protected from weather.
- E. Warranty:
 - 1. Residential - Limited lifetime warranty coverage shall be provided for as long as the original owner owns the home. Warranty coverage shall include defects in materials and/or workmanship in vinyl material products manufactured by Prime Window Systems, Yakima, Washington.
 - 2. Multi-Family - If Prime Window Systems products are installed in non-owner multi-family occupied dwellings then this warranty is limited to 10-Years on parts and 1 year on labor from the date of delivery.
 - 3. Commercial - Limited warranty coverage shall be extended for a 2 year period on commercial applications, excluding parts and labor.
 - 4. Terms of the warranty, limitations, and conditions of the warranty coverage shall be available by contacting Prime Window Systems.

F. System Performance:

1. Air Infiltration: Not to exceed 0.1 CFM at 1.57 PSF in accordance with ASTM E283. ^{*note 1}
2. Structural: Must comply with the Performance Class specified in accordance with AAMA/WDMA/CSA 101/I.S. 2/A440-2005 procedures.
 - a. 9000 Sliding - HS-LC25 (132" x 60")
 - b. 9000 Single Hung - H-LC35 (48" x 96")
 - c. 9000 Picture - FW-C45 (96" x 60")
 - d. 9000 Casement - C-C40 (36" x 72")
 - e. 9000 Fixed - FW-C55 (72" x 72")
 - f. 9000 Awning - AP-C45 (52" x 36")
 - g. 411 Patio Door - SD-LC40 (96" X 96")
3. Thermal: U-value not to exceed 0.^{*note 2} when tested in accordance with NFRC 100-2010 procedures. Each window unit shall bear a NFRC certification label.

II. PRODUCTS

A. **Series 9000 PVC Windows and Patio Doors** as manufactured by:
Prime Window Systems, 3400 Tacoma Street, Union Gap, WA 98903
1-800-322-8050

B. Materials:

1. Frames, sash, mullions, and snap-in dry glazing bead members: High impact rigid polyvinyl chloride (PVC), compounded specifically for windows and doors. Material must meet ASTM Standard D 4726 and shall be lead-free. Window frame width shall be 3¹/₄" minimum with an integrally extruded nailing flange; door frame width shall be 4⁹/₁₆" minimum with an integrally extruded nailing flange.
2. Available colors: standard colors are white, almond (beige) and adobe; premium exterior color is dark brown exterior with white interior.
3. Hardware: Non-corrosive materials, color matched to the surrounding materials where possible.
4. Fasteners: Stainless steel, or corrosion resistant finish.
5. Weatherstrips: Factory installed, providing the proper fit and compression to effectively seal against the intrusion of air, water, and dust.
6. Insulating glass: Hermetically sealed units, 3/4" overall thickness. Glazing shall be a minimum of float quality and of adequate strength for the size and use intended.
7. Screens: Charcoal fiberglass 18 x16 mesh screen cloth set in painted roll formed aluminum frame fitted to the window with the necessary hardware.

C. Fabrication & Construction:

1. Windows must be constructed in a neat and workmanlike manner. All frame and sash corner joints shall be miter cut and fusion welded. Welds are to be dressed and finished to match the surrounding surfaces.
2. PVC window members shall have an integral white, almond or adobe color throughout the profile. Exposed surfaces shall be smooth and uniform in appearance.
3. Brown exterior finish (when specified) shall utilize solar reflective acrylic/polyurethane coatings, applied by the profile extruder. To prevent deformation and separation, solid brown extrusions and multi-layer co-extrusions will not be allowed.
4. An internal drainage shall be incorporated into both fixed lite and operating sash windows.
5. Glass units shall be held in place by an AAMA approved internal glazing tape and an externally mounted glazing bead. Glazing tape positioned on the exterior glazing surfaces shall not be permitted. Glass units must be supported by load-bearing setting blocks.

CI. Installation:

1. Windows shall be installed by experienced workmen in accordance with architect's instructions and architect's drawings.
2. Proper window installation methods are the responsibility of the architect and/or builder. Recommended installation methods are not the responsibility of Prime Window Systems, Yakima, Washington. Please refer to the latest version of AAMA 2400 or ASTM E2112 for installation procedures.

CII. Cleaning

1. All vinyl and glass must be cleaned inside and out. Temporary labels shall be removed, leaving the NFRC and AAMA labels for final inspection. Under no circumstances should solvents be used for cleaning.

END OF SECTION

(See Architect's notes on next page)

Series 9000 Product Line Specification

ARCHITECT'S NOTES:

Note 1: Each product exceeds AAMA requirement of 0.3 cfm. Infiltration rates depend upon product style. Consult individual product specification.

Note 2: To specify a U-factor applicable to the entire 9000 Series, select from the chart below. A complete chart of NFRC tested U-factors is found in each product's test data section.

NFRC CERTIFIED U - FACTORS

<i>3/4" O.A. glazing</i>	<i>Low E Glass* and Argon</i>	<i>U-value = 0.29</i>
<i>1 1/8" O.A. glazing</i>	<i>Triple pane, Low E* and Argon</i>	<i>U-value = 0.20</i>
<i>1" O.A. glazing (411 Door)</i>	<i>Triple pane, Low E* and Argon</i>	<i>U-value = 0.22</i>

** Standard - Cardinal LoE²-272 (.04 emissivity)*

Handling and Storage

Vinyl Windows and Doors

Care must be exercised in handling vinyl windows:

- Provide full support when carrying and installing into framework.
- Do not drop product.
- Do not lift windows by head only.
- Do not transport windows in the horizontal position, or lay flat for extended periods, as this may cause heat build-up, glass breakage, or separate glass from frame.

Storage:

- Store at a slight lean against a wall on a flat, level area, under cover.
- Store in an upright position so that full width of sill is supported.
- Do not store windows in the flat position.
- Caution - windows stacked in direct sunlight can be permanently damaged by heat buildup.
- Allow sufficient space between products for ventilation.
- Windows stacked outdoors must be covered.

Installation Precautions:

- Do not apply expanding foam insulation around vinyl windows. The pressure created as the foam hardens will cause the frames to bow and cause operational problems.
- Instead, use non-expanding foam or fiberglass insulation to fill interior voids.
- Leave adequate clearance between exterior of window and siding to allow for expansion. Fill joint with a compatible flexible caulking.

Note: Conditions caused by improper handling, storage, or installation will void all warranties, expressed or implied.

PRIME'S SERIES 9000

Care and Cleaning of Vinyl Windows

Prime Window Systems' Vinyl Series 9000 windows are made from the highest quality materials and are designed for a lifetime of use. These guidelines will help ensure that your windows retain their original beauty and continue to operate at their best.

- Before using your new windows, remove all paint, dust, and dirt.
- Keep the sills clean at all times.
- Frequent washing with mild soap and water will preserve the appearance of your windows.
- Do not high pressure wash. This can damage weatherseal areas and force dirt into sensitive hardware components.

Common household stains and Recommended cleaning agents.

STAIN	PVC	WINDOWS
Pencil	Soft Scrub, Ajax, Pledge	Tide Powder, Endust
Flair Pen	Fantastic	Any water based cleaner
Nail Polish	Brillo Pad (1)	Nail Polish Remover
Paint	Brillo Pad (1) , Ajax	
DAP	Brillo Pad (1) , Ajax	Fantastic, Soft Scrub
Lipstick	Murphy's, Soft Scrub, Ivory Liquid	
Oil Stain	Brillo Pad (1)	Soft Scrub, Ajax
Dirt	Fantastic, Windex, Endust	Pine Sol, Soft Scrub, Shout
Motor Oil	Fantastic, Windex, Endust	Tide Liquid, Pine Powder, Shout
Lithium Grease	Shout, Windex	Fantastic, Pine-Powder, Murphy's
Black Tar	Soft Scrub (1)	Endust
Crayon	Soft Scrub (1)	Endust, Lestoil (2), 409
Duct-Tape Residue	Rubbing Alcohol (3)	Rubbing Alcohol (3)

(1) Moderate Surface Abrasion

(2) Full Strength

(3) 70%