

**Product Name**

Viscount 6000 Sliding Patio Doors

**Associated Specification Section**

MasterFormat 1995 # 08210

MasterFormat 2004 # 08 15 73

OmniClass 2005 – Table 23

**Manufacturer's Name**

All Weather Windows



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## PRODUCT DESCRIPTION

### Viscount Patio Doors – 6000 Series

#### PRODUCT FEATURES

- BASIC USES
  - Sliding doors for residential and light commercial applications.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
  - Low maintenance extruded PVC multi-chamber sash and frames
  - Steel reinforced sash, mullion and sill track
  - Glazing Stops: Extruded PVC, exterior glazed
  - Screen Door: Medium duty, enamelled aluminum frame with glass fibre mesh screen
  - Sill: Extruded PVC
  - Weatherstripping: single fin mohair in sash and mullion
  - Self-aligned adjustable tandem steel rollers
- PRODUCT OPTIONS
  - PVC Colours Available:
    - White (Standard)
    - Wicker
  - Jamb Extension Options (Extruded PVC, Stain-grade wood or Primed Paint-grade wood):
    - PVC Base Frame: 4 ½” (3 ½” behind nailing flange)
    - PVC: 4 ½”, 6 ½”, 6 5/8” and custom
    - Stain grade Hemlock: 4 ½”, 6 ½” and custom
  - Optional Locks:
    - Keyed cylinder lock for door handle.
    - Additional spring-loaded and foot operated security lock (optional)
  - Interior Grilles in three (3) widths and five (5) colours:
    - 8 mm (5/16”) wide, available in Gold, White, Wicker, Patina & Lead
    - 16 mm (5/8”) wide, available in Gold, White, Wicker, Patina & Lead
    - 25 mm (1”) wide, available in Gold, White, Wicker, Patina & Lead
  - Five (5) standard grille patterns available
    - Rectangular
    - Ladder

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- Double Ladder
    - Perimeter
    - Empress
  - Glazing:
    - Standard clear insulating glass
    - Low E insulating glass with argon gas
    - SunStop insulating glass with argon gas
    - Argon Gas
  - Doors are available with or without transoms. Refer to manufacturer's website or printed literature.
  - DEFINITIONS
    - **Astragal:** The center member of a double door, which is attached to the fixed or inactive door panel.
    - **Brick Mould:** Decorative perimeter or border that encases the entire window and is visible from the outside of the house
    - **Flush bolts and Astragal:** Where a double door is desired that will have no restricting post when both doors are open. This movable, weather-stripped post is attached to one door and locked to the head and sill with flush bolts.
    - **French Door:** Hinged door available in one, two, three, or four-wide combinations with up to two panels operating.
    - **Garden Door:** Available two or three-wide, one panel operates as a door while the other panel either opens window-style (Outswing Doors) and comes with a screen, or is Fixed (Inswing Doors). On three-wide units the third panel is fixed.
    - **Grilles:** Dividing bars used either on the surface or between panes of glass for a decorative appearance.
    - **Integral Nailing Fin:** A pre-punched fin that is part of the extrusion which allows for easy installation.
    - **Jamb Extension:** Flat wood or PVC parts that are applied to the inside of the frame to extend it in width, which allows the frame to adapt to a thicker wall.
    - **Patio Door:** A sliding door comprising of a panel fitted with an insulated sealed unit, with one operating panel sliding horizontally to provide passage.
    - **Sash:** A sub frame component that surrounds a sealed unit. A sash can be either fixed (non-operating) or operating.
    - **Simulated Dividing Lites (SDL) :** A decorative bar mounted on the exterior and interior of a sealed unit to provide the visual affect of dividing the glass into smaller units.
    - **Transom:** A window unit combined to the top of a window or door frame.

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- APPLICABLE STANDARDS, RELATED REFERENCES
    - ASTM D696 - Coefficient of Linear Thermal Expansion of Plastics Between -30 degrees C and 30 degrees C With a Vitreous Silica Dilatometer.
    - ASTM D4216 - Rigid Poly (Vinyl Chloride) (PVC) and Related PVC and Chlorinated Poly (Vinyl Chloride) (CPVC) Building Products Compounds
    - ASTM E283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
    - ASTM E330 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
    - ASTM E547 - Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
    - CAN/CGSB-12.8 – Insulating Glass Units
    - CGSB 41-GP-20M - Extrusions, Vinyl, Non-rigid, for Windows and Doors
    - CSA A440-00 – Windows
  
  - QUALITY
    - CSA Certified manufacturing facility, door and glass units are regularly tested for conformance to CSA A440 as well as for weather tightness, permissible air leakage, permissible condensation within assembly, internal drainage network, wind loads, and frame structural integrity.
  
  - PERFORMANCE – WINDOWS
    - **Performance based on single sliding doors (not combinations).**
    - Sliding doors conform to CSA A440 when tested for the following:
      - Air infiltration: Rating A3
      - Water penetration: Rating B3.
      - Wind load: Rating C3.
      - Forced entry: F1.
  
  - PERFORMANCE – GLAZING
    - Values given are for patio doors with specified glass and no grilles. Values can change with different grille options.

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<b>Viscount Patio Door</b>								
	<b>Code</b>	<b>Description</b>	<b>Energy Star Zones</b>	<b>U-Value W/m<sup>2</sup>C</b>	<b>RSI (1/U)</b>	<b>Solar Heat Gain Coefficient</b>	<b>Ultraviolet Light Blockage</b>	<b>Visible Light Trans.</b>
Clear	Dual	Dual Clear	None	2.84	0.35	0.76	42%	81%
Low E	HS1	Dual 1-LowE	None	2.10	0.48	0.59	56%	76%
	HS1A	Dual 1-LowE Argon	A B C D	1.92	0.52	0.60	56%	76%
SunStop	HS4	Dual 1-SunStop	A	1.86	0.54	0.16	70%	62%
	HS4A	Dual 1-SunStop Argon	A B	1.66	0.60	0.19	70%	62%

- **SPECIAL WARRANTY**
  - Warranty:
    - Manufacturer's Limited Warranty: Two (2) years.
    - Paint and Coatings on Vinyl (PVC): Manufacturer's limited warranty of five (5) years from the date of manufacture against loss of adhesion, bubbling, cracking, flaking, or chipping.
    - Vinyl (PVC) Components: Manufacturer's limited warranty of twenty (20) years from the date of manufacture against defects in materials and workmanship.
    - Insulated Glass Units: Manufacturer's limited warranty pro-rated over twenty (20) years from the date of manufacture that air seal of insulated glass units will not fail due to defects in material and workmanship.
- **LIMITATIONS**
  - Windows accommodate dual insulated glass units only.
  - A separate decorative brickmould is not available.
- **COST**
  - Costs vary according to door size and configuration, glazing and accessory selection.
  - Consult manufacturer national or regional offices for specific product costs or relative costs.

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## PRODUCT PROPERTIES

- MATERIALS, COMPOSITION, PROPERTIES
  - Rigid thermoplastic polymer of poly vinyl-chloride (PVC), unplasticized.
  - Combustible material, but self-extinguishing.
  - Chemical resistant.
  - Rot proof.
  - Properties:
 

Tensile Strength	2.60 N/mm <sup>2</sup>
Notched Impact Strength	2.0 – 45 kJ/m <sup>2</sup>
Thermal Coefficient of expansion	80x 10 <sup>-6</sup>
Max Cont Use Temp	60° C
Density	1.38 g/cm <sup>3</sup>
  
- SHOP FABRICATION AND ASSEMBLY
  - Frame: Fabricated with extruded PVC with integral nailing flange, mitered with fusion welded corners, fully sealed.
  - Sash: Fabricated with extruded PVC, mitered with fusion welded corners, fully sealed.

## PRODUCT PLACEMENT

- PREPARATION
  - Confirm door rough opening size by measuring at three (3) locations along the widths (left, center and right) and heights (top, middle, and bottom).
  - Confirm rough opening is square by cross-measuring from corner to corner.
  - Confirm rough opening is plumb, level, and in the true plane.
  
- DOOR INSTALLATION
  - Install weather barrier or flashing in accordance with method chosen.
  - Run two 4 mm (3/16 inch) beads of sealant across the bottom of the rough opening.
  - From the exterior, lift the door into the opening, placing sill onto caulking. Tack into place temporarily.
  - Verify the door frame is level and square. Use shims at the bottom of the door to ensure it is level across the entire width. Place additional shims at the side and top of the jambs to ensure the jamb is square and straight.
  - Install remaining fasteners in pre-punched holes in attachment flange. Do not nail within 6” of corners. Nail approximately every 300-400 mm (12-16 inches).

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- Adjust door rollers.
  - Insulate around door to the exterior.
  - Install drip flashing at the head of the door.
  - OWNER'S INSTRUCTIONS
    - Paint or stain and seal unfinished or exposed wood surfaces within thirty (30) days of installation.
    - Paint Grade Wood Extensions:
      - Factory prime paint-grade wood extensions, apply minimum of two (2) coats of high quality paint.
      - Prime half-round and curved jamb extensions prior to painting.
    - Stain Grade Wood Extensions:
      - Apply one (1) or two (2) coats of stain, with top coat of lacquer or varnish.
  - MAINTENANCE INSTRUCTIONS AND PROCEDURES
    - PVC Frames:
      - Clean surfaces using mild soap or diluted detergent solution with clean warm water, and wipe surfaces with a clean cloth, soft bristle brush, or low pressure spray cleaner.
      - Rinse surfaces thoroughly with clean water before soap or detergent dries. Wipe dry to avoid water marks.
    - Hardware:
      - Clean and lubricate rollers with silicone based lubricant to prevent excessive wear. Use a diluted household cleaner and wipe clean all hardware components, including locks and handles. Rinse hardware with clean water to remove detergent or cleaner prior to lubricating.
    - Screens Doors:
      - Vacuum screens with soft brush attachment or wipe with a soap and water solution.
      - To wash, remove screen and lay on flat surface. Apply cleaning solution and let soak for several minutes. Rinse using a low pressure garden hose spray.
    - Glass Surfaces
      - Clean with mild soap or vinegar-based cleaner. Wipe dry with clean, lint-free cloth.
      - Clean grease, oil, tape adhesive, crayons, markers, or paint with mild abrasive, then repeat cleaning steps listed above.

**Corporate Identification**

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1-800-638-5709 (Canada – Technical Support Line)  
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Internet web site: <http://www.allweatherwindows.com>

**Technical Services Available**

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**Classification and Filing**

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