

Milgard Style Line™ Series Vinyl Patio Door 3-Part Specification

6000
SERIES
STYLE LINE VINYL

GENERAL NOTES TO SPECIFIER:

THIS SPECIFICATION SECTION HAS BEEN PREPARED TO ASSIST DESIGN PROFESSIONALS IN THE PREPARATION OF PROJECT OR OFFICE MASTER SPECIFICATIONS. IT FOLLOWS GUIDELINES ESTABLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE, AND THEREFORE MAY BE USED WITH MOST MASTER SPECIFICATION SYSTEMS WITH MINOR EDITING.

EDIT CAREFULLY TO SUIT PROJECT REQUIREMENTS. MODIFY AS NECESSARY AND DELETE ITEMS THAT ARE NOT APPLICABLE. VERIFY THAT REFERENCED SECTION NUMBERS AND TITLES ARE CORRECT. (NUMBERS AND TITLES REFERENCED ARE BASED ON *MASTERFORMAT*, 2004 EDITION).

THIS SECTION ASSUMES THE PROJECT MANUAL WILL CONTAIN COMPLETE DIVISION 1 DOCUMENTS INCLUDING 01 25 13 – PRODUCT SUBSTITUTION PROCEDURES, SECTIONS 01 33 00 – SUBMITTAL PROCEDURES, 01 62 00 – PRODUCT OPTIONS, 01 66 00 – PRODUCT STORAGE AND HANDLING REQUIREMENTS, 01 74 00 – CLEANING AND WASTE MANAGEMENT, 01 77 00 – CLOSEOUT PROCEDURES, AND 01 78 00 – CLOSEOUT SUBMITTALS. CLOSE COORDINATION WITH DIVISION 1 SECTIONS IS REQUIRED. IF THE PROJECT MANUAL DOES NOT CONTAIN THESE SECTIONS, ADDITIONAL INFORMATION SHOULD BE INCLUDED UNDER THE APPROPRIATE ARTICLES.

THIS IS AN OPEN PROPRIETARY SPECIFICATION ALLOWING USERS THE OPTION OF APPROVING OTHER MANUFACTURERS THAT COMPLY WITH THE CRITERIA SPECIFIED HEREIN.

NOTES TO THE SPECIFIER ARE CONTAINED IN BOXES AND SHOULD BE DELETED FROM FINAL COPY.

OPTIONAL ITEMS REQUIRING SELECTION BY THE SPECIFIER ARE ENCLOSED WITHIN BRACKETS, E.G. [35] [40] [45]. MAKE APPROPRIATE SELECTIONS AND DELETE OTHERS.

ITEMS REQUIRING ADDITIONAL INFORMATION ARE UNDERLINED BLANK SPACES, E.G. _____.

OPTIONAL PARAGRAPHS REQUIRING SELECTION OF ONE OF THE OPTIONS ARE SEPARATED BY “OR” WITHIN A BOX, E.G.

OR

BOLD FACE TYPE IDENTIFIES OPTIONAL PARAGRAPHS AND FEATURES THAT MAY BE INCLUDED OR DELETED DEPENDING ON PROJECT REQUIREMENTS. CONVERT THE BOLD FACE TYPE TO REGULAR TYPE WHEN INCLUDING THESE PARAGRAPHS OR FEATURES.

REVISE FOOTER TO SUIT PROJECT/OFFICE REQUIREMENTS.

ELECTRONIC VERSIONS OF THIS SPECIFICATION UTILIZE AUTOMATIC PARAGRAPH NUMBERING.

WHEN EDITING IS COMPLETE, DELETE ALL TEXT ON THIS PAGE, THEN REMOVE THE SECTION BREAK AT THE TOP OF THE NEXT PAGE TO REMOVE THIS PAGE FROM THE DOCUMENT.

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SECTION 08 32 17

(MasterFormat 1995 Edition: 08260)

VINYL SLIDING GLASS DOORS

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes: Tubular extruded poly vinyl chloride (PVC) framed sliding glass doors:
- B. Related Sections:

INSERT APPROPRIATE SECTION NUMBERS AND TITLES BELOW FOR DOOR FLASHING AND INSTALLATION SEALANT.

- 1. _____ - _____.
- 2. _____ - _____.
- 3. **08 53 14 - Vinyl Windows.**

INCLUDE APPROPRIATE LANGUAGE BELOW IF PRODUCTS SPECIFIED IN THIS SECTION ARE TO BE BID AS ALTERNATES. OTHERWISE DELETE FOLLOWING PARAGRAPH.

- C. Alternates:
 - 1. Reference Section 01 23 00 – Alternates.

1.02 SUBMITTALS

- A. Reference Section 01 33 00 – Submittal Procedures; submit following items:
 - 1. Product Data.
 - 2. Shop Drawings: Include door schedule, door elevations, sections and details, and multiple unit assembly details.
 - 3. Samples:
 - a. Color samples: Minimum 1x4 inch (25x100 mm) samples of PVC with integral color.
 - b. **Glass, showing specified tint color.**
 - 4. Quality Assurance/Control Submittals:
 - a. Qualifications: Proof of manufacturer's qualifications.
 - b. **U-Factor and structural rating charts required for AAMA and NFRC labeling requirements.**
 - c. Manufacturer's Installation Instructions.
- B. Closeout Submittals: Reference Section 01 78 00 – Closeout Submittals; submit following items:
 - 1. Temporary labels marked to identify doors that labels were applied to.
 - 2. Maintenance instructions.
 - 3. Special Warranties.

1.03 QUALITY ASSURANCE

- A. Overall Standards: Comply with ANSI/AAMA/NWDA 101/I.S.2, except as otherwise noted herein.
- B. Qualifications:
 - 1. Manufacturer Qualifications:
 - a. Minimum five years experience in producing vinyl doors of the type(s) specified.
 - b. Member AAMA, NFRC, SIGMA.

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INSERT LOCAL REGULATORY REQUIREMENTS BELOW.

C. Regulatory Requirements:

D. Certifications for insulated glass doors:

1. AAMA: Doors shall be Gold Label certified with label attached to frame per AAMA requirements.
2. NFRC: Doors shall be NFRC certified with temporary U-factor label applied to glass and an NFRC tab added to permanent AAMA frame label.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Reference Section 01 66 00 – Product Storage and Handling Requirements.
- B. Follow manufacturer's instructions on label applied to doors.

1.05 WARRANTY

SELECT "RESIDENTIAL" WARRANTY BELOW FOR OWNER OCCUPIED SINGLE FAMILY RESIDENTIAL AND OWNER OCCUPIED CONDOMINIUM PROJECTS. SELECT "COMMERCIAL" WARRANTY FOR NON-OWNER OCCUPIED CONDOMINIUMS, COMMERCIAL, AND MULTI-FAMILY PROJECTS.

A. Residential Special Warranty:

1. Full Lifetime Warranty to original owner.
2. Transferability:
 - a. Permit unlimited transfer of ownership in first five years.
 - b. Upon first transfer of ownership, warranty period shall become five years from date of original purchase.
3. Warranty doors against defects in materials and workmanship including costs for parts and labor.

OR

A. Commercial Special Warranty:

1. 10 year warranty.
2. Warranty doors against defects in materials and workmanship including costs for parts and labor.

PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Milgard Manufacturing, Inc. 1010 54th Avenue East Tacoma, WA 98424	Tel: 1.800.MILGARD (645-4273) (253) 922-2030 Fax: (253) 926-0848 Website: milgard.com
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INSERT NAME, ADDRESS AND PHONE NUMBERS OF MANUFACTURER'S REPRESENTATIVE BELOW.

1. Manufacturer's Representative:

_____	Tel: _____
_____	Fax: _____
_____	E-mail: _____

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- B. Door Series: Milgard Style Line™.
- C. Substitutions: Reference Section 01 25 13 – Product Substitution Procedures.

2.02 MATERIALS

- A. Vinyl: Integral color PVC compound containing impact-resistant solid plasticizer, titanium dioxide UV inhibitor, and surface and color stabilizers.
 - 1. Comply with ASTM D 4216 and ANSI/AAMA /NWWDA 101/I.S.2.

VERIFY THAT DOOR FLASHING MATERIAL AND INSTALLATION SEALANT IS SPECIFIED IN APPROPRIATE SECTIONS.

2.03 GENERAL PERFORMANCE REQUIREMENTS

- A. Thermal Performance: Comply with NFRC 100.
- B. Air Leakage, Water Resistance, Structural Test: Comply with ANSI/AAMA /NWWDA 101/I.S.2.
- C. Forced-Entry Resistance: Comply with CAWM 301-90.

2.04 SLIDING DOOR

VERIFY THAT DRAWINGS SHOW PANEL ARRANGEMENT AND OPERATING PANELS FOR EACH DOOR.

- A. Sliding Door - [6610 Series, 1-3/8 inch (35 mm) nail fin setback] [6630 Series, 1 inch (25 mm) nail fin setback] [6630] Series, J-Channel] [6670 Series, Z-Bar]:
 - 1. Frame: Minimum 4-1/8 inch (105 mm) deep, multi-chambered vinyl profile.
 - 2. Panel Frame: Minimum 2-1/4 by 1-3/16 inch (57 by 30 mm), multi-chambered vinyl profile.
 - 3. Sill: 4-1/8 by 1-9/16 inch high (105 by 40 mm high) multi-chambered vinyl profile.
 - 4. Structural Class: SGD-LC25.
 - 5. Hardware:
 - a. Handle and Lock: [Inside and outside pull with lever operated 1 point jamb lock].
 - b. **Keyed exterior cylinder lock, Schlage compatible.**
 - c. Rollers: two sets of dual stainless steel, 1-1/2 inch (38 mm) diameter, rollers on raise monorail stainless steel track.
 - 6. Weatherstripping: Fin seal polypropylene pile.

2.05 GLAZING

- A. Insulated Glass Units: ASTM E 774, Class A, 1 inch (25 mm) thick overall:
 - 1. Glazing Type: Tempered [Clear/Clear] [Clear/SunCoat™ Low-E] [Clear/SunCoat™ Low-E, argon gas filled].
 - 2. Spacer Bar: Warm edge steel spacer.

MOST COMMON TYPES OF INSULATED UNITS ARE INCLUDED ABOVE, BUT SEVERAL OTHER TYPES INCLUDING TINTED, REFLECTIVE, OBSCURE, WIRE, AND LAMINATED ARE AVAILABLE FOR SPECIAL APPLICATIONS. SELECT DESIRED TYPES FROM MILGARD WEBSITE <http://www.milgard.com/architect.html> AND SPECIFY IN LIEU OF, OR IN ADDITION, TO THE ABOVE WITH ALL NECESSARY CRITERIA SUCH AS TINT COLORS AND OBSCURE PATTERNS. IF MORE THAN ONE TYPE OF GLAZING IS REQUIRED FOR THE PROJECT, BE CERTAIN THAT TYPE FOR EACH DOOR IS CLEARLY NOTED ON DRAWINGS OR IN DOOR SCHEDULE.

OR

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B. Single Pane Glass:

1. Glazing Type: [Clear] [Solar Bronze] [Solar Gray].

MOST COMMON TYPES OF SINGLE PANE GLASS ARE INCLUDED ABOVE, BUT SEVERAL OTHER TYPES INCLUDING, REFLECTIVE, OBSCURE, WIRE, AND LAMINATED ARE AVAILABLE FOR SPECIAL APPLICATIONS. SELECT DESIRED TYPES FROM MILGARD WEBSITE <http://www.milgard.com/architect.html> AND SPECIFY IN LIEU OF, OR IN ADDITION, TO THE ABOVE WITH ALL NECESSARY CRITERIA SUCH AS OBSCURE PATTERNS. IF MORE THAN ONE TYPE OF GLAZING IS REQUIRED FOR THE PROJECT, BE CERTAIN THAT TYPE FOR EACH DOOR IS CLEARLY NOTED ON DRAWINGS OR IN DOOR SCHEDULE.

2.06 DIVIDED LITE GRIDS:

VERIFY THAT DESIRED GRID PATTERNS, IF ANY, ARE SHOWN ON THE DRAWINGS. CERTAIN GRID PATTERNS MAY NOT BE AVAILABLE WITH ONE OR THE OTHER BAR TYPES IN THE FOLLOWING PARAGRAPH - CONSULT MILGARD FOR UNUSUAL DESIGN APPLICATIONS. GRIDS ARE NOT AVAILABLE FOR SINGLE PANE GLASS DOORS.

- A. [5/8 inch (16 mm) wide flat] [1-1/16 inch (27 mm) wide sculptured] metal bars color matched to frame.
- B. Grids shall be contained within the airspace of insulated glass units.

2.07 INSECT SCREENS:

- A. Sliding Screen:
 1. Frame: Roll-formed aluminum, 2 by 13/16 inches (51 by 21 mm).
 2. Hardware:
 - a. Lock: Lever action type.
 - b. Rollers: 2 adjustable nylon rollers at top, and 2 adjustable nylon rollers at bottom.
 3. Screen Cloth: Charcoal colored fiberglass mesh.

2.08 FABRICATION

- A. Fabricate frames and panels with mitered and fusion welded corners and joints. Trim and finish corners and welds to match adjacent surfaces.
- B. Provide concealed metal reinforcement in sash frame for attaching lock mechanism.
- C. Factory inside glaze with snap-on PVC glazing stops matching frame finish. Units shall be reglazeable without dismantling panel framing.

2.09 FINISH

- A. Frame and Panel Color: [White] [Tan].
- B. Color match screen [frame] [housing] to frame and panel color.**

2.10 SOURCE QUALITY CONTROL

- A. Inspect doors in accordance with manufacturer's Quality Control Program as required by AAMA Gold Label certification.

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PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine openings in which doors will be installed.
 - 1. **Verify that fasteners in framed walls are fully driven and will not interfere with door installation.**
 - 2. **Verify that sill is flat and level.**
- B. Coordinate with responsible entity to correct unsatisfactory conditions.
- C. Commencement of work by installer is acceptance of substrate conditions.

3.02 INSTALLATION

INSTALLATION INSTRUCTIONS ARE ADEQUATE FOR NORMAL INSTALLATION CONDITIONS IN FRAMED CONSTRUCTION. MASONRY WALLS AND UNUSUAL CONDITIONS MAY REQUIRE ADDITIONAL INFORMATION IN THIS ARTICLE.

- A. Install doors in framed walls in accordance with manufacturer's installation instructions.
 - 1. Flash head and jambs in accordance with AAMA 2400.
- B. Do not remove temporary labels.
- C. **Install insect screens on operable panels.**

3.03 ADJUSTING

- A. Adjust operating panels and hardware for smooth operation and tight fit with weatherstripping.

3.04 CLEANING

- A. Reference Section 01 74 00 – Cleaning and Waste Management.
- B. Remove temporary labels and retain for Closeout Submittals.
- C. Clean soiled surfaces and glass using a mild detergent and warm water solution with soft, clean cloths.

END OF SECTION

This specification was prepared specifically for Milgard Manufacturing, Inc. by ASC Specification Consultants. Comments or suggestions for improvement should be addressed to Milgard at the address in Article 2.01 A.

Issue Date: November 17, 2008