Patio Doors - Vinyl

Module #8A

Product Knowledge Training

Home Center
Milgard’s Vinyl Patio Doors

Vinyl
- 6610 Style Line® Two Panel Sliding Patio Door
- 8621 Montecito® Tuscany™ Standard Sliding Patio Door
- 8621 Montecito® Tuscany™ French Style Sliding Patio Door
- 8642 Tuscany® (only) French Style In-Swing Patio Door
- 8643 Tuscany® (only) French Style Out-Swing Patio Door
Vinyl Sliding Patio Doors
Tuscany® & Montecito® Series Patio Sliding Doors

Sliding Patio Door

French-Style Sliding Door
Vinyl Patio Door Features & Benefits

**Sliding Patio Door**
- Narrow Stile and Rail configuration to allow for maximum daylight and a contemporary appearance
- 2-7/8: from edge of panel to edge of glass all four sides

**French-Style Sliding Door**
- Wider style and rail configuration give the appearance of a French door.
- 4-5/8: from edge of panel to edge of glass all four sides
Vinyl Patio Door Features & Benefits

**Welded Vinyl Frame & Panels**
- Waterproof & corrosion resistant
- Low thermal conductivity for energy savings
- French Rail Panels have mechanically joined corners

**Nail Fin (1” wide, 1” or 1-3/8” set backs)**
- Integral fin allows for ease of installation and weatherproofing
- Use 1” on single wall construction or stucco
- Use 1 3/8” in double wall or rain screen applications

**Standard Sizing (with no upcharge)**
- Large range of standard sizes for new construction and replacement

**Custom Sizing (Tuscany & Montecito with Up-charge)**
- Wider range of available sizes for new construction and replacement
- Up-charge is due to custom tempered glass lite’s

**Interior Glazing**
- Improved serviceability
- Clean exterior appearance

**SunCoat® Low-E Glass Standard**
- Very efficient glazing for all areas
- Low ultraviolet transmittance for reduced fading of furniture and flooring
- High daylight transmittance for good light levels
- Low-E standard with no additional charge
- Standard tempered safety glass with no additional charge

**EdgeGard™ and EdgeGardMAX™**
- Only one point of connection (location-specific) for energy efficiency
- Less chance for seal failure
- “Warm edge spacer” reduces thermal transfer and saves energy costs

**Transoms Available (Mulled & Fixed only)**
- More options for designs

Two, Three and Four Panel Configurations
- Operational choices in many sizes
Vinyl Patio Door Features & Benefits

**Exclusive Handle Hardware — SmartTouch™ Lock**
- Ergonomically designed, contemporary appearance
- One-touch operation, even with multi-point option
- Keyed lock available

**Heavy-duty Mortise Lock (standard on all)**
Two opposing hooks reach out to the strike plate (two-point lock) for added security
Key lock option available, keyed alike option available

**Multi-Point Lock (standard on some OXO or OXXO, can be added with upcharge)**
- Increased security
- Easy to use — same one-touch operation as standard two-point lock

**Dual Tandem Rollers**
- Stainless steel for durability
- Easily adjustable
- Rolls smoothly and quietly

**Raised Stainless Steel Monorail Track**
- Keeps rollers out of debris
- No markings from rollers
- Corrosion resistance

**Multiple Screen Options**
- From Standard, Heavy Duty and Canister Screen options
- Allows Customer to pick the screen option that will best fit their needs
- No additional lead-time
What’s New?
Standard items now included:
- Glass Breakage Coverage is now standard on Tuscany® Series Sliding Glass Doors
- New SmartTouch® handle is now standard on Montecito & Tuscany

Options available:
- Retractable screen
- Blinds between glass (Tuscany only)
  - Dual glaze units (SunCoat® Low-e glass only)
- Standard sizes
- Standard and French Rail doors
- Triple glaze units (Tuscany only)
- Exterior Premium Finishes
Vinyl Color Options

Available on:
- Tuscany® Series
- Montecito® Series
- Style Line® Series

Interior Frame Colors
Interior and exterior colors must be the same

Available on:
- White
- Tan

Standard Exterior Frame Colors
Available with matching interior

Available on:
- White
- Tan

Premium Exterior Vinyl Finishes – available with white interior

- Ivory
- Sand
- Fog
- Silver
- Tweed
- Classic Brown
- Espresso
- Bronze
Tuscany® & Montecito® Series Patio Doors

**SmartTouch® Handle**  
Standard  
Available in White & Tan

**Traditional D-Style Handle**  
Option  
No up-charge  
Available in White & Tan

**Metallic Finish D-Style Handle**  
Option  
Up-charge  
Not available for Montecito Series  
Available in Oil-rubbed Bronze, Brushed Nickel and Brushed Chrome
SmartTouch® SGD Handle

Tuscany® & Montecito® Sliding Glass Door
  • Featuring the SmartTouch Door Handle

Ease-of-Use Commendation on SmartTouch door handle
  • Recently awarded on Tuscany Sliding Glass Door
  • Milgard is committed to giving our dealers a competitive advantage by anticipating and acting upon the latest consumer needs.
SmartTouch® SGD Handle

Door Operation
To open
- Pull handle out toward you and slide the door open

To lock
- Push the door closed and then depress handle
- Key cylinder on exterior*

Special feature
- Anti-slam pin keeps locking mechanism in open position when door is not shut
- Anti-slam pin will be depressed when door is shut

Handle Out to Unlocked
Handle In to Locked
Handle Components

Handle Assembly

- Mounting plate
- Newly styled exterior handle
  - Except 3 panel center slide doors OX/o and O/XO
- 4 mounting screws
- Mortise lock with dual opposing throw hooks
- Pinion gear snib
- Available on 2, 3 and 4 panel Doors
Lock Snibs/Pinion

**Classic™ lock**
Breakage was common occurrence
- Occurs when strike and lock are misaligned
- Customer forces lock into the lock position

**SmartTouch® lock**
Breakage can occur, but it is less likely. If customer forces the lock, pinion gear will strip out.
- Built-in “Second-life” on pinion gear
- Remove handle, remove & rotate pinion gear 180 degrees
- Re-insert pinion gear and re-attach handle
Tuscany® & Montecito® Series Patio Doors

**Exterior Handle**
- Standard
- Available in White & Tan

**Exterior Keyed Handle**
- Option
- Available in White & Tan
- Available Keyed Alike

**ADA Handle**
- Option
- Available in White & Tan
- Up-Charge

**“J” Handle**
- Only for OX/O and O/XO
- Standard
- Available in White & Tan
Metallic Finish D-Style Handle

D-Style Interior colors available
- Oil-rubbed Bronze
- Brushed Nickel
- Brushed Chrome

Exterior colors available
- White (not D-style)
- Tan (not D-style)
Roller and track

Stainless Steel Roller
- Tandem rollers
- Adjustable
- Spacer is different for door type

Stainless Steel Angle Track
- Smooth operation
- Removable / easy to replace
Milgard introduces our most advanced security and locking system — the NEW SecurityMAX package exclusively for Tuscany® Series and Montecito® Series sliding patio doors.

- The SecurityMAX package includes the multi-point locking system paired with the new, innovative SmartTouch® Bolt.
- The SmartTouch Bolt is a fully integrated, easy-to-use bolt lock that secures your sliding patio door firmly into the frame.
- With a single motion of the SmartTouch door handle, four locking points are activated, securing the door in the top frame, bottom track and at the handle.
- Let the fresh air in while keeping the door secure in a vented position with it’s self-locating feature.
- Together, the SmartTouch Bolt and multi-point locking system provide five points of security on your patio door.
- Whether you are home or away, the SecurityMAX package will help keep your family safe and protected.
Sliding Screens: Standard and Upgrades

Montecito doors
- Standard - Quanex R1-600 series
  - Screen w/charcoal mesh
- Option/Upgrade - Quanex R3-1580 series
  - Screen w/Charcoal mesh
- Option/Upgrade - Quanex R3-1580 series
  - Screen w/PureView mesh

Tuscany doors
- Standard - Quanex R2-1350
  - Screen w/charcoal mesh
- Option/Upgrade - Quanex R3-1580 series
  - Screen w/Charcoal mesh
- Option/Upgrade - Quanex R2-1580 series
  - Screen w/PureView mesh
- Option/Upgrade - Genius Smooth Retractable Screen
  - Available in White and Tan Only
The retractable screen is available only on Tuscany® Series in both Standard and French Rail.

- Comes in a canister mounted on outside of door (Factory installed)
- Colors available are white and tan
- Available in 2, 3 and 4 panel configurations (panels cannot exceed 4’ in width)
- Three standard height sizes in stock:
  - 6’8”, 6’10”, 8’0”
  - Custom sizes are available
- Canister and screen can be cut down to accommodate different net sizes
- The screen track in the door must be removed to accommodate the retractable screen.

### Max Width with Retractable Screen Option

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Blinds Between Glass

- Available only on Tuscany® Series
- Complete sealed IG unit with:
  - Blinds
  - Breather tube (standard)
  - Blind operating system
  - SunCoat® Low-e glass (only)

- Available only with white blinds
- Available only on white doors
- Sizes available for both Standard & French Rail
  - 2, 3 and 4 panel doors:
    - 2’6” & 3’0” panel widths
    - 6’8” panel heights

- Blind IG units are handed from “inside” of door
The IG unit is installed like any other IG unit

**Operating mechanism**
- Installed with adhesive on back of mechanism
- Operating track comes installed on glass unit
- Milgard will snap on cover piece with slide pucks
- Magnet inside operating system and inside IG unit

**Two slide pucks on operating mechanism**
- Top mechanism tilts the blinds opens and closes
- Bottom mechanism raises and lowers blinds
Blinds Between Glass Warranty

Key Components of Warranty

- Parts & Labor – 10 years
- Operation of blinds – 10 years
- Fogging of IGU (several scenarios)
  - Lifetime for original homeowner
  - 10 year transfer from original homeowner
  - 10 year for commercial
- Fading of blinds – no warranty/service
- Glass breakage – not covered (specialty glass)

Exceptions To Full Lifetime Warranty

Milgand will replace any integrated blind that is defective in materials or workmanship at no charge to the Original Purchaser (including parts and labor) for a period of ten (10) years after Start Date.
Fin & Z-bar Selection

Tuscany Doors
- VTU1 1” fin setback
- VTU3 1 3/8” fin setback
- VTUZ (Z2) Z-bar

Montecito Doors
- VM01- 1” fin setback
- VM03- 1 3/8” fin setback
Tuscany® Series In & Out Swing Patio Doors

Not available through all locations. Check with your local Sales Rep.
Tuscany In-Swing Door Features & Benefits

**Welded Vinyl Frame**
- Waterproof & corrosion resistant

**Heavy Duty Steel Reinforcement**
- Eliminates sag
- Insures dimensional stability
- Insures smooth operation of the locking system

**True Stile and Rail Construction**
- Authentic French rail look

**Full Line of Standard Sizes or Custom Sizes (up-charge)**
- Easy application for either NHC or R&R
- Available in 16 configurations including operable side-lite's

**Side-lite's Offer Narrow Stile**
- Maximize glass area for optimum light transmittance and views
- Side-lite rails match the door panel sight-lines

**Two Available Frame Depths**
- Accommodates 2x4” and 2x6” wall conditions

**Reversible Nail Fin (Set back of 1”or 1-3/8”)**
- Reversible fin allows for ease of installation and weatherproofing
- Use 1” on single wall construction or stucco
- Use 1-3/8” in double wall or rain screen applications

**Two Nail Fin Sizes**
- 1-1/4” and 2” are available giving full flexibility in installation
Tuscany In-Swing Door Features & Benefits

Frames With Interior and Exterior Accessory Grooves
- Accommodates stucco key, J-channel and Z-bar applications
- Interior grooves accommodate fillers to accommodate wall depth
- Wall depth conditions from 4 1/16” and 6-9/16”

Madrona- Architectural Door Handles and Hinges
- Attractive blend of contemporary and traditional design
- Standard matching white and tan finishes as standard
- Brushed Chrome, Satin Nickel and Oil Rubbed Bronze available as upgrade options
- Interior hinges available in all 5 handle finishes

Multi-Point Locking System
- Security and high Design Pressure (DP) rating
- Standard on both doors and operable sidelites

Two Sidelite Options
- Operable for fresh air circulation
- Fixed for increased daylight

Powder Coated Aluminum Sill
- Durable coating for excellent performance
- Colors available to match door finish colors
Vinyl Color Options

Available on:
- Tuscany® Series
- Montecito® Series

**Interior Frame Colors**
Interior and exterior colors must be the same

**Standard Exterior Frame Colors**
Available with matching interior

**Premium Exterior Vinyl Finishes** – available with white interior

- Ivory
- Sand
- Fog
- Silver
- Tweed
- Classic Brown
- Espresso
- Bronze
Tuscany® & Montecito® Series Swing Doors – Hardware Options

Madrona™ Handle Set
- Active and Passive available
- Interior and Exterior Finish
  - White, Tan and Oil-Rubbed Bronze – option
  - Satin Nickel and Brushed Chrome – up-charge

Lift off and adjustable Hinges
- Allows panel to be removed from frame
- Allow for adjustments from side to side and up and down

Active Sidelights
- Level handle - Standard
- Thumb-turn handle – Option
- Interior Finish
  - White, Tan and Oil-Rubbed Bronze – option
Style Line® Series Patio Doors
Style Line Sliding Door Features & Benefits

Narrow Vinyl Frame
- Yields maximum glazing area for increased day lighting
- Low thermal conductivity for energy savings

Standard Sizes
- Value-driven pricing saves you money
- 2 panel configurations only

Custom Sizing
- Not available at all locations, contact your Milgard Sales Representative

Transoms Available (Mulled & Fixed only)
- More options for designs

Frame Options
- 1” Fin Set Back from the exterior
- 1-3/8” Nail Fin Set Back from exterior
- No fi (Block Frame
- Standard Z-bar

3/4”OA Insulated Unit
- Increases efficiency rating
- Many glass options (commercial, sound control)
- Grid options (1-1/16” Sculptured and 5/8” Flat)

Exterior Glazing
- Increased efficiency
- Fixed Panel IG is glazed directly to frame on the side jamb
Vinyl Color Options

Available on:
Style Line® Series

Interior Frame Colors
Interior and exterior colors must be the same

- White
- Tan

Standard Exterior Frame Colors
Available with matching interior

- White
- Tan

Hardware Options

D Shape Handle
- Color match to panel
- Adjustable single hook throw
- Keyed lock is available

Interior
- Mortise Lock
- Exterior
Roller and track

**Stainless Steel Roller**
- Tandem rollers
- Adjustable

**Vinyl Wheel Track w/Stainless Steel Roller Track Cap**
- Smooth operation
- Removable / easy to replace
Sliding Screens: Standard and Upgrades

**Style Line doors**

- **Standard** - Quanex R1-600 series
  - Screen w/charcoal mesh
- **Option/Upgrade** - Quanex R3-1580 series
  - Screen w/Charcoal mesh
- **Option/Upgrade** - Quanex R3-1580 series
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