



Wood (non-clad) Sliding Patio Door Wide Stile and Rail

Product Specifications

Exterior Finish

Exterior is unfinished with treated clear pine veneer on outside face. Wood jamb and wood brickmould is treated finger-joint pine. Clear jambs are standard.

Interior Finish

All interior surfaces are unfinished wood ready for paint, stain, or natural finish. Primed and pre-finished interiors or exteriors are available. Alternate wood species are available upon request.

Frame

Frame made from kiln dried softwoods. Components are assembled at 6-12% moisture content and are water repellent preservative treated in accordance with WDMA I.S.4. Frame thickness is 23/32" at head and side jamb.

Basic jamb width is 5" and may be extended for different wall depths. Sill is bronze in color and constructed of one piece fiberglass pultrusion and a stainless steel track. One injection molded end plug is factory installed and sealed to each end of the sill. This end plug system incorporates a patented high efficiency weep system. The end plugs are also designed and provide for keeping the wooden core of the jambs off the floor. A pile sill weatherstrip installed both on the interior and exterior sides provide continuous seal against water and air infiltration. Two panel and four panel (quad) doors have continuous head and sill. Three panel units have separate side lite field muller to a two panel unit. A three panel "telescope" OXX or XXO unit is now available. Doors are shipped KD but factory-assembly may be specified in certain cases. Frames are fingerjointed with an option for clear or primed exterior on most sizes.

Panel

Panel is 1 23/32" thick, pine veneered kiln dried softwoods and engineered wood substrate which is water repellent preservative treated. Selected panel members have LVL core for added strength and dimensional stability. Wood stiles and rails are 4 1/2" (114 mm) in face width, machine clamped for square assembly, and joined with slot and tenon corners secured with metal fasteners and glued. Operating door panel slides on inside (room side) track. Quad doors have two stationary and two operating panels with a center astragal to be applied to the secondary active panel. Telescoping door has 1 piece fiberglass sill.

Glazing

3/4" (19mm) insulated glass is constructed of two lights of tempered float glass hermetically sealed around a continuous roll formed and profiled stainless steel spacer. The insulated glass sandwich features a 1/2" (13mm) captive air space. To provide and protect long-term structural integrity of this glazing system, durable clear silicone is used to bed the exterior of the insulated glass into the panel. Standard glass option carries a 20 year warranty for interior condensation due to seal failure. Wooden glazing stops, made from the same wood species as the panels, are used to secure the glass.

Glazing Options

3/4" tempered Low E insulated glass with Argon (except when breather tubes are used). Other glazing options are available on request. Including Lift & Tilt Blinds in the Airspace, and Triple glazing. Simulated Divided Lite (SDL) available with most glazing options. Stainless steel interior spacers, wood interior and aluminum exterior grilles are used. Removable grilles are unfinished clear wood, applied to the interior surface, and exterior grilles are made from extruded aluminum bars which are color matched to the exterior of the door.

Weather-stripping

Engineered weather stripping system combines a rigid vinyl parting stop weatherstrip with flexible leaves at the head and side jambs. Rigid vinyl interlock is applied to the meeting stiles of both the operating and stationary panels. A pile sill weatherstrip installed both on the interior and exterior sides provide continuous seal against water and air infiltration.

Hardware

Operating panel rides on two sets of adjustable, tandem, steel precision ball bearing rollers. Standard handle incorporates a positive 2 point locking mechanism with throw latch and wood interior hand pull. Quad door includes dummy handle. Doors come with a dark bronze finished interior and exterior handle. Handle set is also available in optional other metallic finishes. Optional lock cylinders are available. Keyed alike is available. Optional foot activated secondary locks are available.

Exterior Insect Screens

Charcoal fiberglass screen cloth with clad color matched .040" (1mm) extruded aluminum frame. Door screen rides on a set of two adjustable steel rollers at both top and bottom of the screen and operates on outside track. Quad doors have two screens with field applied astragal. Insect screens are intended to allow air and light in and to keep insects out. Screens are not intended to stop anyone or anything from falling through an open door. For safety screens or other security devices contact your local building supply retailer.

Full Surround Wood Grilles

Full surround rectangular unfinished wood grilles are available.

Jamb Extensions

Jamb extensions are shipped loose for field application on KD doors. Extensions are applied to the interior of head and sides of the frame and are 1 1/16" (17.5mm) thick, clear ponderosa pine to accommodate wall depths up to 7 1/16" (180mm) with one piece, and up to 8 9/16" (217mm) with two pieces.

Installation

Sliding door is installed by nailing through a vinyl nailing fin, through exterior sheathing, and into wall framing. Sill must be caulked to sub floor. Door unit must be square, plumb, and level in the opening. Assembly and installation instructions must be followed carefully. Care must be taken to insure that a frame is not twisted or racked out of its rectangular shape.

Performance

Wood Sliding Doors are no longer a standard product and therefore up to date and current test data is not available.