



## **Clad Sliding Patio Door Wide Stile and Rail**

### **Product Specifications**

#### **Exterior Finish**

All exterior surfaces completely covered with low maintenance extruded aluminum coated with a finish that meets or exceeds AAMA 603.8 performance requirements. Standard colors include White, Architectural Bronze, Tan, Sand, Crème, Black, Dark Bronze, Brick Red, Cranberry, Hartford Green, Cocoa, and G-Brown. Custom colors are readily available, along with anodized finishes.

#### **Interior Finish**

All interior surfaces are unfinished wood ready for paint, stain, or natural finish. Primed and pre-finished stain or painted interiors are available.

#### **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. Exterior surfaces of head and side jambs are completely covered with .060" (1.5mm) extruded aluminum cladding. Corner joints are sealed with silicone and reinforced with a metal corner key and screw boss construction. Frame thickness is 43/64" head and side jamb.

Basic jamb width is 4 9/16" (116mm) and may be extended for different wall depths. A separate vinyl nailing fin is provided for insertion into aluminum cladding. Sill is constructed of bronze (beige available), 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 elevated from floor level. 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. Doors are shipped KD but factory-assembly may be specified in certain cases. Exterior of frame extrusion is grooved to accept accessories. Frames are fingerjointed with an option for clear on most sizes.

#### **Panel**

Panel is 1 23/32" (43.7mm) 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. Exterior surfaces are completely covered with .060" (1.5mm) extruded aluminum with reinforced corners. 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.

#### **Glazing**

3/4" (19mm) insulated glass is constructed of two lites 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 bronze decorative handle incorporates a positive two point locking mechanism. Quad door includes dummy handle. Handle set is 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 (18 x 16 mesh) 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.

Hanging screen option is available for improved ease of operation.

Insect screens are intended to allow air and light in and to keep insects out. They 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 field applied to the interior of head and sides of the frame and are 11/16" (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**

Test report available upon request or on the website ([www.park-vue.com](http://www.park-vue.com)).