

Aluminum Wood System Product Specifications



LaCantina Doors Aluminum Wood system incorporates the features you want in a folding door system – a low maintenance exterior with the beauty of real wood on the interior, combined with concealed multi-point locks throughout. The Aluminum Wood product is available in standard sizes or manufactured to any design specification. Large openings up to 52' wide and 10' tall, with 8 doors opening in each direction are available. We offer a complete system package with all hardware and locks, including handle and lockset for daily passage door.

Frame and Sill

Head section consists of extruded aluminum exterior and head track with wood interior. Jamb are extruded aluminum with wood interior trim. Jamb thickness is 1 1/4" (32mm). Frame width is 5 5/8" (143mm). Frame width is extended with wood trim to the inside. Frames are supplied ready for assembly and installation. Sill is anodized extruded aluminum, incorporating weather-stop and weep holes to shed water from guide channels. Head, jamb and sill sections incorporate a thermal break. Standard frame is outswing. Zero step, ADA, flush sill, and inswing options are available however are not recommended for applications exposed to the weather.

Panel

Door panels are extruded aluminum with wood interior. Custom wood species are available. Panel thickness is 2 1/4" (57.1mm). Rail and stile width is 3 5/8" (92mm). Maximum panel width of 39" (1000mm). Maximum panel height of 10' (3000mm) for maximum frame height of 10'4" with standard extruded aluminum sill. Panels are single lite as standard, with simulated dividing lite (SDL) available. Horizontal mullion is not required.

Interior and Exterior Finish

Wood interior is unfinished, suitable for staining or painting. In stock wood options are vertical grain Douglas fir and mahogany. Sill and head tracks are bronze or clear anodized aluminum. Exterior aluminum surface standard colors are finished to meet AAMA 2604 specifications. Custom kynar or powdercoat finishing are available to match virtually any color. Periodic maintenance will be required, similar to any wood or aluminum product exposed to weather or salt air environment.

Weather Stripping

Weather seal is inserted in the frame and sill to provide perimeter seal, as well as between door panels. Color is dark bronze.

Glass and Glazing

Tempered and insulated 3/4" [19mm] clear or low-E glass. Other glass options, including laminated, impact and tinted, are available upon request. Glazing seal is silicone bedding on both interior and exterior surfaces. Glazing bead is on the interior of the panel.

Hardware

The hardware system operates with an upper wheel carrier that rolls on the aluminum head track. A lower track in the sill guides the door panels. The upper carrier and lower guide are attached to door panel hinges. Jamb panels are attached with top and bottom pivots. Panels are connected with hinges including top and bottom hinges attached to top carrier and lower guide. Handles to assist with opening and closing doors are included. Carrier pins at the top pivots, intermediate and end carriers support the full door weight and it is here that the panels are adjusted. A pin locking system is used to lock vertical adjustment once heights are set. Pivots at the jamb allow simple screwdriver adjustment of the system horizontally up to 3/8" (10mm). All screws are fully concealed for external security. Architectural grade stainless steel is used for hinge pins, carrier pins and carrier wheels. A concealed locking mechanism with shoot bolts top and bottom is used to secure folding panels. Locking hardware at primary swing door panel is a deadbolt plus shoot bolts top and bottom. Handle and multi-point lockset is provided with each system that has a daily passage door. The hardware finishes available are stainless steel and bronze.