

ALUMINUM WOOD FOLDING DOOR SYSTEM

LaCantina Doors Aluminum Wood system incorporates the features you want in a clad folding door system and more – a low maintenance exterior with the beauty of real wood on the interior, combined with concealed multi-point locks throughout.

OVERVIEW

The Aluminum Wood product is available in standard sizes or manufactured to any design specification. Large openings up to 65' wide and 10'4" tall, with 10 doors opening in each direction are available. We offer a complete system package with all hardware and locks, including handle and lockset for the daily passage door.

FRAME & SILL

Head section consists of extruded aluminum exterior with wood interior. Jambs are extruded aluminum with wood interior trim. Jamb thickness is 1 1/4" (32 mm). Frame width is 5 5/8" (143 mm). 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. ADA Compliant, flush sill, and inswing options are available but 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" (57.1 mm). Rail and stile width is 3 5/8" (92 mm). Maximum panel width of 39" (1000 mm). Maximum panel height of 10' (3000 mm) 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 mullions are not required.

INTERIOR & EXTERIOR FINISH

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

WEATHER STRIPPING

A dark bronze weather seal is inserted in the frame, sill and between the door panels to provide a perimeter seal.

GLASS & GLAZING

Glass choices include tempered and insulated 3/4" (19 mm) clear or LoE. Laminated, impact and tinted options are available upon request. Glazing seal is silicone beading on exterior surfaces and glazing seal with bead on the interior of the panel.

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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 top and bottom hinges which are attached to the top carrier and lower guide. Handles are included to assist with opening and closing doors.

HARDWARE

Carrier pins at the top pivots, intermediate and end carriers support the full door weight and are where the panels can be 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" (9 mm). All screws are fully concealed for external security.

Architectural grade stainless steel is used for hinge pins, carrier pins and carrier bogeys. Multi-point locks are used at top and bottom to secure the folding panels. Locking hardware on the primary swing door panel is a 3 point lock. A handle and lockset is provided with each system that features a daily passage door. Brushed chrome and bronze hardware finishes are available.

SCREEN OPTIONS

An increasingly popular choice is to complement our folding door systems with a screening option. LaCantina Doors offers both pleated and non-pleated insect screen systems that can accommodate an opening up to nearly 15' wide x 10'6" high for a single screen and 29'6" wide x 10'6" high for a double screen. Both of our systems are seamlessly integrated into the wall condition of your bifold doors. Adding a screening system not only protects your home from insect and debris but allows you to keep your doors open more often increasing ventilation and air quality.