

Clad System

Product Specifications



One of our most popular products, the Clad system has a traditional look with our preferred 3 5/8" narrow stile and rail profile, allowing for the perfect balance of glass and light into your space. Featuring an extruded aluminum exterior and solid core construction, the Clad system withstands weather conditions and can be custom color matched. Large openings up to 52 feet wide 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 head track with wood interior. Clad head has extruded aluminum exterior and wood head has wood exterior. Clad jambs are extruded aluminum exterior on solid laminated veneer lumber (LVL) core with wood interior trim. Jamb thickness is 1 1/4" (32mm). Frame width is 5 5/8" (143mm) as standard. Frame width is extended with wood trim to the inside. Frames are supplied ready for assembly and installation. Anodized aluminum sill incorporating weather-stop and weep holes to displace 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

Panel thickness is 1 3/4" (44.5mm). Rail and stile width is 3 5/8" (92mm). Bottom rail height increases to 7 1/2" (190mm) when panel height exceeds 96". Rails and stiles contain LVL core with wood veneer options. Maximum panel weight of 176 lbs (80kg). Maximum panel height of 10' (3000mm) for maximum frame height of 10'4" with standard sill. Maximum panel width of 39" (1000mm). Panels are single lite as standard, with simulated dividing lite (SDL) and other custom options available. Horizontal mullion is not required.

Interior and Exterior Finish

Wood is unfinished, clear and suitable for staining or painting. In stock wood options are vertical grain Douglas fir and mahogany. Sill and head tracks are bronze (standard) 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 inserted in 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 bogeys. Rebated surface mounted drop bolts are used top and bottom to secure folding panels. Locking hardware at primary swing door panel is a deadbolt. Handle and lockset is provided with each system that has a daily passage door. Hardware finishes available are stainless steel, bronze & brass.