

ALUMINUM THERMALLY CONTROLLED FOLDING DOOR SYSTEM

LaCantina Doors' Aluminum Thermally Controlled (TC) system defines contemporary design plus performance. With clean lines similar to our standard aluminum system, the Aluminum TC is a striking and distinctive new system with 2 1/4" thick panels. The Aluminum TC is the result of an extensive design process focused on energy efficiency, structural performance, versatility and value. With our proprietary core and fascia technology, a range of finish options for both the exterior and interior are possible.

OVERVIEW

The Aluminum TC features a narrow 2 15/16" stile and rail profile for more glass and light. Thermal breaks throughout the panels and the frame system improve energy performance. Large openings up to 65' wide and 10'4" tall with up to 10 panels folding in each direction are available. The Aluminum TC system is complete with all hardware, featuring concealed multi-point locking throughout and is suitable for both residential and commercial projects in any climate.

FRAME & SILL

Frame system design includes thermally broken extruded aluminum core with outside and inside fascia sections. The frame system consists of a head track, jambs and sill. Jamb thickness is 1 1/4" (32 mm). Frame width is 5 5/8" (143 mm). Frames are supplied ready for assembly and installation. Sill is anodized extruded aluminum with thermal break, incorporating weather-stop and weep holes to shed water from guide channels. 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 thermally broken extruded aluminum core with outside and inside stile and rail fascia. Panel thickness is 2 1/4" (57 mm). Rail and stile width is 2 15/16" (75 mm). Maximum panel height of 10' (3000 mm) for maximum frame height of 10'4" with standard sill. Maximum panel width of 39" (1000 mm). Panels are single lite and horizontal mullion is not required. ADA compliant hardware options are available.

INTERIOR & EXTERIOR FINISH

In stock color options include clear anodized, bronze anodized or white. Custom colors are available with the ability to choose different colors or finishes for the outside and inside of the panels and frame. Sill is bronze or clear anodized aluminum. As with any aluminum product exposed to weather or salt, 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.

ALUMINUM THERMALLY CONTROLLED FOLDING DOOR SYSTEM

GLASS & GLAZING	<p>Tempered and insulated 3/4" (19mm) clear or low-E glass. Other glass options including laminated, impact and tinted are available upon request.</p>
HARDWARE	<p>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.</p> <p>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.</p> <p>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. Stainless steel and bronze hardware finishes are available.</p>
SCREEN OPTIONS	<p>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.</p>