

## AL62 - Product Data

### Product Name

AL62 - Operable Wall

### Manufacturer

ActivWall Systems  
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### Description

The ActivWall AL62 Operable Wall System is a commercial grade, aluminum door and window system designed for large exterior openings. The system features glazed panels that can be opened and closed to connect interior and exterior living spaces. Units are available in a variety of folding configurations with up to 12 panels, and in widths up to 39' wide and 12' tall.

### Structural Components

All structural aluminum components are made from 6063-alloy extruded aluminum with a minimum wall thickness of .078". Hinge pins are .375" hi-stainless type-316 steel for incredible strength and corrosion resistance.

### Glazing

Standard insulated glass is fully-tempered and features Solarban 60 Low-E with argon fill. single pane, alternative Low-E options, and hurricane resistant Impact-Rated glazing are available on request.

### Finishes

Select from a wide variety of standard and premium architectural powder-coated finishes, or our selection of standard anodized finishes, all meeting AAMA specifications for longevity and durability. Custom finishes and wood-grain finish options are available on request.



### Locking

Standard multi-point keyed mortise locks for operable swing doors ensure optimal security, and shootbolt locking for intermediate panels controls operation of the system.

Custodial locking, interchangeable-core mortise locks, and panic-bar assembly options are available for commercial applications.

### Sill Options

A variety of recessed structural sill options are available including raised, saddle, and flush sills to cover a wide range of applications and requirements.

Low-profile sills are available for interior-only applications and require minimal subfloor trenching for recessed-sill applications.

### Testing & Performance

ActivWall's products are extensively tested by an independent lab specializing in architectural testing. Test reports are available upon request detailing Design Pressure, Air & Water, and Uniform Structural Load performance. Unit heights, widths, and folding configurations determine performance levels and individual unit performances may differ compared to the basis of design.

## AL62 - Installation Guidelines

### Installing Too Early Can Be a Costly Mistake

Unlike a regular door or window, an ActivWall is designed to span large openings that are far more susceptible to structural settling or deflection issues that could arise at any stage of construction. And let's face it, a large Operable Wall is a novelty on many construction projects that many tradesmen have never experienced before, which can result in a lot of unsupervised experimentation by curious subcontractors. Don't let a tradesman on your construction site void your ActivWall's warranty before your project is even complete!

### Ensure that Deadloads Are Complete

ActivWall strongly recommends that all deadloads are installed in any project before the installation of an ActivWall Operable Wall system. This requires that openings are boarded-up until the last stages of construction. Dead Loads include any materials that will become a permanent part of the building, including but not limited to, framing, interior wall finishes like drywall, cabinetry, or other types of materials that are permanently attached to the exterior or interior walls of the building. Likewise, Dead Loads include exterior siding materials whether they are wood, masonry, etc. Roofing materials also add significant weight which can cause structural settling, so they must be taken into consideration, as well. When materials like heavy HVAC units, or appliances are installed above an opening with an ActivWall, those materials should also be installed first.

### Preparing the Site For Installation

When designing the rough opening to support an operable wall system, a number of criteria must be taken into consideration. If the unit is top-hung, which means the weight of the Operable Wall system is supported by the overhead structure, the structure must be designed to carry the entire weight of the unit with very limited deflection due to the addition of live

loads. The structure will also need to support the unit laterally when doors are open, as significant weight will be pulling away from the opening perpendicularly. When there are no live loads added, the unit header should be perfectly level across the opening.

### Structural Requirements

The structural requirements for supporting a top-hung ActivWall Operable Wall system are a **Dead Load Weight of 6.5 lbs/ft<sup>2</sup>** and a **Maximum Allowable Deflection of L/720 or 1/4", whichever is less**. These criteria will assist in ensuring that the structure is designed to fully support the full live and dead loads of the Operable Wall system in its intended use.

Questions regarding structural requirements or appropriate construction methods of structural elements should be directed to a qualified, independent, and licensed Structural Engineer who can review building plans and specifications and provide guidance specific to your own application.

### Structural Sill Recesses

Many ActivWall door units feature a structural sill that is recessed into the floor. This typically requires a trench to be cut in the subfloor to conceal the height of the structural sill below the finished floor condition. When the subfloor system is made from framed floor joists and plywood, some wood blocking may be required for fastening and support.

It is critical that the customer take into consideration the possible requirement to recess a structural sill, and all associated dimensions to coordinate the unit height with a recessed structural sill below the finished floor condition. **ActivWall will not be held responsible for any failure of the customer to coordinate unit dimensions with any structural recess below the finished floor condition.**



ActivWall will not be held responsible for the cost of adjustments that have to be made to compensate for structural settling when units are installed too early or the costs associated with improperly prepared openings.

## AL62 - Maintenance & Care

### IMPORTANT

- DO NOT USE A PRESSURE WASHER
- Do not mix cleaning chemicals and solvents with bleach

The following documentation provides information relating to the care and maintenance of your ActivWall AL62 Operable Wall system. It is important to consider that routine maintenance and cleaning is critical to the longevity of your ActivWall Folding System.

### General

Do not allow the operation of the unit by children or anyone that is not trained or familiar with its mode of operation.

All screws, fittings, and hardware should be regularly inspected for tightness and wear. Any issues should be rectified immediately to mitigate the risk of permanent damage.

Long-term structural settling may result in the wall unit appearing to sag. This may require the attention of a qualified installer to make minor re-adjustments.

### Exterior Units

Folding systems that are exposed to exterior weathering conditions experience greater stresses. Regular cleaning is important to keep units free of dust, dirt, and other contaminants which may adversely affect architectural finishes and hardware operation and performance.

For coastal applications, ActivWall recommends regular rinsing of exposed aluminum surfaces with fresh water to remove accumulated salt deposits.

### Rubber Seals

All seals must be regularly cleaned and lubricated at least once per year. ActivWall recommends 303-branded Rubber Seal Protectant to maintain seals.

### Glass Cleaning

Use only mild-detergent cleaners and a soft cloth or chamois. Any solvent-based cleaner or gritty cleaning compound is unacceptable and will void warranty.

### Aluminum Finishes

Anodized and Powder-Coated finishes are highly durable and appropriate for architectural applications. For cleaning use only mild agents such as light soapy water. Abrasive and solvent-based cleaners must not be used and will void product warranty. Use a soft cloth or chamois.

### Motion Hardware Care & Maintenance

A small amount of silicone-spray lubricant may be used where needed on hinges and header-carriage tracks to ease operation.

Regularly inspect the sill to ensure that it is free from debris or other obstructive items that may interfere with, damage hardware, or otherwise impede smooth operation and performance.

### Routine Maintenance

The following items should be completed every 6 months.

- Regularly inspect weather seals and brushes for damage or loss. Contact ActivWall or your licensed dealer for replacements.
- Regularly inspect all exposed screws and tighten if needed.
- Examine the door's interior and exterior finish. Follow recommendations for care, maintenance, and touch-up. Periodic cleaning will extend the lifespan of your finish.
- Clean using only mild-detergent, soapy water. Rinse thoroughly with warm water or a damp rag.