



## XTRA-TALL Wall Systems

With PortaMax XTRA-TALL modular walls, you can effectively divide your plant space – from floor to roof – or create freestanding in-plant buildings taller and stronger than ever before possible with modular construction. PortaMax gives you exactly the enclosed space you need to control dust, temperature, humidity, noise, and other environmental needs. PortaMax is moveable, reusable, and designed to connect to either an overhead steel structure or as a self contained, freestanding structure with a roof deck.



PortaMax wall with keyhole conveyor opening supporting conveyor from roof structure.

### Modular Flexibility

Non-progressive construction allows for the easy removal of individual panels without disturbing adjacent panels. Just remove necessary wall sections to move equipment into completed units and replace in a fraction of the time needed in a conventionally built facility. Customized designs meet your exact room needs enabling you to interface easily with mechanical equipment and accommodate conveyor openings or pass-thrus. You save time and money in the future, as well as on your initial modular building investment.



### Steel Framing System

The PortaMax steel framing system comes in both 4-5/8" and 6" wall thicknesses to provide greater load bearing capabilities than aluminum. The studs feature a wire raceway stud on both sides that match the wall panel color.

### Loadbearing Roof Wall System

A wall system designed to support any type of roof loading. Design criteria can include man loads, 2-story, roof-mounted HVAC and duct work, and storage loads. Please consult factory for specific needs.

### Wiring Studs

Removable "snap-in" cover plates allow for wiring capabilities and easy inspection of raceways without affecting the structural integrity of the stud.



### Aluminum Framing System

The PortaMax 458 anodized aluminum components are ideal for achieving maximum cleanliness in a controlled environment. The studs feature removable snap in cover plate that allows for easy access to raceways.

### Fire & Sound Panels

With Fire & Sound wall panels, PortaMax wall systems provide a Class A non-combustible rating, increased sound deadening, and thermal insulation.

- Provide a sound transmission coefficient (STC=31) rating that is ideal for areas where plant noise can be especially disruptive.
- Tested in accordance with ASTM E-84 to meet minimum flame spread of 5 and smoke density of 20. Panels conform to the 2000 International Building Code, section 2603.4 as it relates to thermal barriers.
- Offer increase thermal value, an ideal option for thermal insulation in warehouse space with no or limited climate control.

### Functionality

Increased wall heights allow you to create floor to roof systems or achieve specific clearance for machinery or ceiling plenums to conceal and house equipment. Wall panels feature a variety of core materials and panel finishes for meeting specific requirements for acoustic and thermal insulation, chemical resistance, and static control.



PortaMax wall systems can be integrated with existing conveyors, mezzanines, bridge cranes, HVAC and other equipment with minimal plant interruption.

## PortaMax Features

### Thickness:

- PortaMax 458: 4 5/8"
- PortaMax 600: 6"

### Height:

- PortaMax 458: Up to 24 feet
- PortaMax 600: Up to 35 feet

### Loadbearing: Yes

**Stud Construction:** The PortaMax Series is available in both steel and aluminum systems to meet a wide variety of applications.

**Colors:** PortaMax 458A features anodized aluminum studs while PortaMax Steel systems come in champagne, gray, and white with custom colors available. With steel framework, trim and framing can match wall panel color choice for a smooth monochromatic finish.

**Re-Usable:** Expandable and relocatable units are 100% re-usable and qualify for accelerated depreciation in most cases.

**Easy to Install:** Uncomplicated construction for quick and easy installation

**Adaptable:** Modular construction allows for nearly any configuration – including 2-story, mezzanine, 2, 3, or 4 wall units.

**Customizable:** Windows and doors can be moved without disturbing adjacent panels or ceiling.

**Doors:** Heavy-duty, 20 gauge steel door with baked enamel finish and 18 gauge frame with mortised hinges, sweep, and ADA-approved lever lockset.

**Windows:** 1/4" thick clear tempered safety glass.

**Base:** Removable, screw-on, vinyl base.

## Wall Panels

### Standard

Typically chosen for their low cost, standard hardboard Class C constructed panels provide excellent thermal insulation and can be made with a wide variety of surface finishes. Available with vinyl or steel surfaces.

### Fire & Sound

Our most popular panels, these Class A non-combustible panels provide great sound reduction and excellent thermal properties while meeting most of today's building codes.

### Steel Fire & Sound

Similar to standard Fire & Sound Panels with a steel surface. Ideal for areas subject to a significant amount of traffic or exposure to hand trucks, forklifts, or other material handling equipment.

### Custom Panels

Regardless of the application, PortaFab can custom build wall panels to meet all of your requirements. From simple office partitions to sophisticated cleanroom walls, we have the perfect wall system for your application.

