



AIA  
Continuing  
Education  
Provider

CRAFTING VALUE FOR MORE THAN 60 YEARS

# SERIES 4166 CUSTOM ACCORDION DOORS



**6" dual-wall doors for enhanced sound transmission control.**

Utilizing dual 6" panels, the Series 4166 is perimeter-sealed and acoustically-lined for enhanced sound isolation. Matching dual-wall construction with the proven durability of a steel hardware hinge system and rigid body panels, the Series 4166 also provides the selection of a range of attractive and contemporary vinyl laminate finishes on each door face.

**Field Sound Transmission Class:**

The dual-walled Series 4166 Acoustical Partition has a field sound transmission class (FSTC) rating of 41. Field tests were performed by Acoustical Engineer Inc. of Eugene, Oregon following the procedures specified in ASTM Test Designation: E336-96



# WOODFOLD Series 4166

Woodfold's Series 4166 is ideal for applications in offices, churches, restaurants, daycare and assisted living facilities where enhanced sound control is desired, along with the flexibility and convenience of an accordion-style partition that features solid panels.

As with every Woodfold custom accordion door the Series 4166 is made to exactly fit your opening, which means no trimming to fit. It is entirely top suspended with no requirement for floor clips or pivots. To meet the needs of any installation, Woodfold also offers a variety of options including locks, latches, and the selection of alternate finish materials on each door face.

## Available Finishes - Vinyl Laminate.

Gray, white, dark oak and maple, solid vinyl and chalk textured vinyl.

## Shipping Information

Schedule: Series 4166 with factory standard finish, 4 weeks (for multiple door orders please contact Customer Service).

## Method of Shipment

Shipments to commercial addresses, including drop shipping to your required destination.

## Door Hanging Weight Averages

Series 4166: 6 -3/4 lb per square foot.

## Employee-Owned

You're assured a precise level of workmanship, service and long-term value with each order because every Woodfold employee shares in the success of a job well done.

## Architectural Specifications

Woodfold Series 4166 Acoustical Folding Partitions (FSTC 41) utilize a rigid panel pantograph style design. An internal system of 16 gauge steel hinging acoustically decouples the panels on one face of the partition from those on the other face, capturing sound energy in the partitions cavity. Extruded vinyl hinges are securely locked into the routed edges of the 1/2" MDF panels. Acoustical lining is applied to both interior faces in a configuration for sound absorption. Continuous vinyl sweeps are applied to both pantographs at the top and bottom. Bottom sweeps may be field adjusted to fit irregular floors. Each volute and the lead post are carried by 4 nylon-tired steel ball bearing wheels. The series 4166 door is suspended from aluminum extruded overhead track with a wood ceiling guard molding supplied as standard. All necessary hardware is included for normal installations.

## How Woodfold Packaging Even Protects Your Reputation

Because our accordion doors are often the final piece of a project's puzzle, the last thing you need inhibiting your project's completion is a door arriving damaged. All Series 4166 doors are always wood crated, thus ensuring everything possible is done to have all pieces arrive undamaged.

## The Woodfold Guarantee

All Woodfold doors are custom made to fit each opening and warranted against failure due to defective materials or workmanship.



## Series 4166 Product Specifications

Complete Product Specifications: visit [www.woodfold.com](http://www.woodfold.com)

**Panels:** 6" wide by 1/2" thick medium density fiberboard with routed edge for vinyl hinging.

**Hinge assembly:** 16 gauge steel, pantograph action for dual-wall door assembly.

**Panel Connectors:** Flexible vinyl, color-coordinated to panel selection, inserted and attached into routed edges.

**Track:** 2" x 1-1/4" aluminum, pre-punched for screw fasteners for surface mounting.

**Sound Seal:** Dual-wall door with internal acoustic material, flexible vinyl sweep strips mounted on top and bottom of the door. Wood molding mounted on both sides of track forming a wide sweep surface.

**Acoustical liner:** Applied to inside faces of both walls.

**Wheels:** Nylon-tired steel ball bearing wheels; 4 wheeled carriers on each volute and at lead post.

**Lead Posts:** Extruded aluminum, 3-7/16" x 4-7/8" cross-section, with jamb molding. color-coordinated to panel connectors.

**Jamb Molding:** 2-1/8" wide by 15/16" deep aluminum.

**Handles:** Metal

**Latch:** Deadlatch with thumbturn two-sides/one side and a range of keylock options available.

**Width:** Contact Customer Service for connector options.

**Height:** Vinyl-Laminate up to 12'.

**Stack Width:** 14 1/2"



Distributed By:

Woodfold Mfg., Inc.

1811, 18th Ave  
Forest Grove, OR 97116-0346 U.S.A.

503-357-7181 • 503-357-7185 (FAX)

email: [woodfold@woodfold.com](mailto:woodfold@woodfold.com)

[www.woodfold.com](http://www.woodfold.com)

AIA  
Continuing  
Education  
Provider

Ref: 4166 2020  
Due to continuing product development, the information in this brochure is subject to change without notice. All material and photographs copyrighted. © 2020, Woodfold Mfg., Inc. Printed in U.S.A.