

Panelfold®

1. Product Name

Panelfold® Acoustical Accordion Folding Partitions, including:

- Sonicwal®
- Scale/8®
- Scale/12®
- Fabricwal®

2. Manufacturer

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3. Product Description

BASIC USE

Panelfold has long been recognized as a leader in the folding door, acoustical accordion folding partition and the operable and relocatable wall industry. Panelfold acoustical accordion folding partitions are designed to offer total flexibility for space planning and acoustical performance in commercial, residential and institutional interiors.

MODELS

Panelfold offers 4 distinctive models, each with its own unique functions and advantages.

- Sonicwal® - Designed especially to create quiet spaces, the Panelfold Sonicwal line offers the highest acoustical ratings of any partition made and sound transmission (STC) of 38 - 50 with sound absorption to noise reduction coefficient (NRC) of 0.7. See Table 1 for selection options. They are available in heights to 18' (5.5 m).
- Scale/8® and Scale/12® - Models Scale/8 and Scale/12 single panel wall partitions are ideal for tough commercial and institutional use and feature a range of sound ratings from STC 25 - 30. Like Sonicwal, the Scale models can be manually or electrically operated. They are available in heights to 18' (5.5 m).

- Fabricwal® - Available in a variety of beautiful covers, Fabricwal partitions are suited to any commercial or residential application where function and design are equally important. Sight dividing models, as well as acoustically rated STC 39 - 40 models, are standard. Fabricwal is manufactured with a single frame size for storage in minimal width pockets.

CONSTRUCTION, MATERIALS & FINISHES

Panelfold acoustical accordion folding partitions feature panels joined and sealed with dual walled Memory-Action® vinyl hinge design. The extra heavy steel ball bearing wheels support alternate panels, and end posts are fitted with deep nesting structural extruded aluminum end post nose and jamb molding in bronze or natural finishes. Curved tracks, curved or crossover switches, and 2, 3 and 4 way meeting posts are available for multiple room arrangements.

Constructed of high density particle board, Sonicwal, Scale/12 and Scale/8 panels can be machine laminated with select wood veneers, decorative laminates and textured or wood grain vinyls. They are also available with heavy duty vinyl fabric, luxurious wall carpet or panel fabrics.

Fabricwal partitions feature bottom sweep seals with mechanical fasteners and can be field adjusted to fit irregular floors.

SIZES

Sonicwal Scale/8 and Scale/12 are available in heights to 18' (5.5 m). Fabricwal is available to 13' (4 m).

FINISHES

A wide range of surfacing materials is available, including:

- Fabrictex® Textured Vinyls
- Hightex™ Highly Textured Vinyls
- Ribtex® Wall Carpeting
- Ropetex® Textured Vinyls
- Sandtex™ Multicolor Vinyls
- Startex™ Textured Vinyls
- Tek-Wall® 1000 Panel Fabrics
- Wood Veneers
- Woodtex® Wood Grain Vinyls
- Woventex® Panel Fabrics

COLORS

A wide variety of colors and textures is possible, depending on the type and source of panel finishing material. See samples or manufacturer literature for additional details.



Acoustical Accordion Folding Partitions

LIMITATIONS

Consult manufacturer for recommendations on required structural framing, operational suitability, and appropriate and compatible finish materials for the intended application.

4. Technical Data

APPLICABLE STANDARDS

American Society for Testing & Materials (ASTM)

- ASTM C423 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
- ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E557 Standard Practice for the Architectural Application and Installation of Operable Walls

APPROVALS

For current information on approvals by specific agencies, contact Panelfold technical support specialists.

ENVIRONMENTAL CONSIDERATIONS

Steel and aluminum components are presumably recyclable.

Panelfold, Inc.

PHYSICAL/CHEMICAL PROPERTIES

Test reports are available to qualified design professionals upon request.

FIRE PERFORMANCE

Fire Performance varies depending on surface finish material. Consult manufacturer.

SOUND PERFORMANCE

- Sonicwal - STC 38 - 50 with sound absorption to NRC 0.70
- Scale/8 and Scale/12 - STC 25 - 30
- Fabricwal - STC 39 and 40

5. Installation

PREPARATORY WORK

Handle and store product according to Panelfold recommendations.

Deliver materials to jobsite and protect unsealed materials from abrasion. Identify each container with material name and identification number. Store materials under cover, protected from weather and construction activities.

Before installation, inspect the door opening. Surfaces must be clean and dry, concrete surfaces must be free of excess mortar and lumps, and wood surfaces must be well nailed and/or glued, nail heads driven flush and wood free of voids. Metal surfaces must be free of grease, oil, dirt, rust, corrosion and welding slag without sharp edges. Verify that rough opening is correct and has been prepared in conformance with ASTM E557.

METHODS

Complete installation recommendations are available from the manufacturer.

Apply perimeter caulking and trim as required. Adjust locking hardware for accurate fit. Clean all wood, vinyl, wall carpet, panel fabric and plastic laminate surfaces to remove soil without using abrasive cleaners or solutions containing corrosive solvents. After all adjustments, lubrication and cleanup, the installer should verify proper operation and function and communicate maintenance procedures for the walls to the owner.

PRECAUTIONS

Conform with all applicable jobsite safety recommendations and procedures.

BUILDING CODES

Current data on building code requirements and product compliance may be obtained from Panelfold technical support specialists. Installation must comply with the requirements

TABLE 1 SONICWAL PRODUCT SELECTION

	Sonicwal/1212		Sonicwal/88		Sonicwal/66		
Sound Transmission Classification (STC)	50	45	44	42	44	42	38
Hanging Weight, psf (kg/m ²)	7.3 (36)	6.7 (33)	7.3 (36)	6.7 (33)	7.3 (36)	6.7 (33)	5.5 (27)
Height (max), ft-in (m)	18-1 (6)	18-1 (6)	18-1 (6)	18-1 (6)	18-1 (6)	18-1 (6)	18-1 (6)
NRC 0.70 Option	N/A	N/A	-	Yes	-	Yes	-
Carved or Carpeted Panel Options	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Electrical Operation Option	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Interior Steel Hinge Support System Option	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Adjustable Sonicsweeps	Standard	Standard	Standard	Standard	Standard	Standard	Standard

of all applicable local, state and national code jurisdictions.

6. Availability & Cost

AVAILABILITY

Panelfold products are manufactured in a modern 140,000 square foot plant in Miami, Florida, USA, and sold by local installing distributors in major cities. See local telephone Yellow Pages under Doors or Partitions or contact manufacturer for the nearest distributor. With a network of licensed manufacturers and distributors in more than 54 countries, Panelfold is represented worldwide. All current sales outlets are listed on Panelfold's website.

COST

Budget installed cost information may be obtained from a local Panelfold distributor or through the manufacturer at the above telephone number.

7. Warranty

Panelfold warrants each new Panelfold folding door, folding partition, operable wall, relocatable wall and accessory to be free from defects in material and workmanship under normal use and service. Panelfold assumes no obligation to correct defects caused by improper installation or unreasonable use, including physical abuse or lack of maintenance. Panelfold's obligations under this warranty are limited to the repair, free of charge, of any defective part which within 1 year of shipment from Panelfold is returned prepaid to the factory. Obtain further information from the manufacturer.

8. Maintenance

These walls are designed to require little maintenance. Operate according to manufacturer recommendations. Clean and lubricate track once per year. Surfacing material maintenance requirements vary. Vinyls should be cleaned with a damp cloth and mild household cleaner.

9. Technical Services

A staff of factory trained service personnel offers design assistance and technical support. For technical assistance, contact Panelfold, Inc., or a local distributor.

10. Filing Systems

- First Source for Products
- MANU-SPEC®
- Sweet's Catalog Files
- Additional product information is available from the manufacturer upon request.