## 1. Product Name

Moduflex® Series 800, 600 and 400 Operable Walls

## 2. Manufacturer

Panelfold®, Inc.
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## 3. Product Description

**BASIC USE**

Panelfold® has long been recognized as a leader in the folding door, acoustical accor-
dtion folding partition and the operable wall industry. Moduflex operable walls are offered in individual, paired and continuous hinged, manually or electrically operated panel mod-
els in 3 series. A full range of options, including expanding panels, single and double pass
doors self-illuminated exit signs and chalk, marker and tackable surfaces may be spe-
cified. These versatile, elegantly styled walls out-
perform many permanent walls with a wide
range of available construction, engineering,
sound transmission and acoustical features.

Regardless of height, Moduflex panels roll
conveniently along overhead tracks with ease
and require minimum setup time. A fam-
ily of smooth rolling track and carrier systems
that satisfies every multiple panel use and
remote storage requirement provides for
easy panel operation. These walls are suitable
for use in commercial, educational, religious,
hospitality, convention and meeting facilities.

**COMPOSITION & MATERIALS**

Moduflex Series 800, 600 and 400 operable
walls feature Sheer Look® panel edges with-
out trim to minimize vertical panel joints.
Panels have continuous vertical and hori-
zontal acoustical seals that are carefully
aligned and placed in a double row labyrinth
for optimum acoustical performance.

Moduflex Series 800 steel operable walls
feature 1 piece 4" (102 mm) thick panels and
are designed for the most demanding a-
esthetic and performance criteria. Durable steel
panel faces are welded to 14 gauge steel
frames in a unique unitized construction.

Moduflex Series 600 high performance oper-
able walls feature 4" (102 mm) thick panels for
general-purpose applications and have high
density panel faces machine laminated to
metal frames for required strength, mass and
stability.

Moduflex Series 400 operable walls offer 3"
(76 mm) thick panels for general-purpose
applications and have high density panel
faces machine laminated to metal frames.

**TYPES**

Panelfold Moduflex operable walls include the
following types:
- Moduflex Series 800
- Moduflex Series 600
- Moduflex Series 400

**SIZES**

Series 800 is available to 44' (13 m) high. Series
600 is available to 24' (7 m) high. Series 400 is
available to 14' (4 m) high.

**FINISHES**

A wide range of surfacing materials is avail-
able. Series 800, 600 and 400 accept vinyl,
wall carpet, panel fabric and the customer’s
own material. Series 600 and 400 also accept
plastic laminates and wood veneer. Materials
include Ribtex® vertical rib wall carpet,
Startex® solid color, Fabrictex® fabric tex-
tured and Ropetex® rope textured vinyl,
Woventex® panel fabrics and Woodtex®
wood grain vinyls, as well as virtually any reg-
ularly specified wallcovering.

**COLORS**

A wide variety of colors and textures is pos-
sible depending on the type and source of
panel finishing material.

**SHAPES**

Wall components are flat panels of varying
thickness and composition.

**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 E90 Standard Test Method for
  Laboratory Measurement of Airborne Sound
  Transmission Loss of Building Partitions
- ASTM E657 Standard Practice for the
  Architectural Application and Installation of
  Operable Partitions

Underwriters Laboratories, Inc. (UL) - Test
Procedures for Construction Assembly Fire
Resistance Ratings and Surface Burning
Characteristics

**APPROVALS**

For current information on approvals by spe-
cific agencies, contact Panelfold technical
support specialists.

**ENVIRONMENTAL CONSIDERATIONS**

Steel and aluminum components are presum-
ably recyclable.

**PHYSICAL/CHEMICAL PROPERTIES**

Test reports are available to qualified design
professionals upon request.

**Fire Rating**

Series 800 FIRECOUSTIC® models offer an
optional UL 1 hour fire resistance rating, which
includes full thickness, acoustical, single and
double pass doors, intersecting walls and a
large variety of the manufacturer’s standard surfacing materials. Series 800, 600 and 400 offer Class A flamespread rating.

SOUND RATING
Moduflex Series operable walls have been tested by independent acoustical laboratories. Moduflex Series 800 walls provide ratings of STC 47, STC 49, STC 52 and STC 54. An optional noise reduction coefficient of NRC 0.90 is available using steel perforated faces rather than add-on unprotected absorbers.

Moduflex Series 600 walls provide ratings of STC 45, STC 47 and STC 50.
Moduflex Series 400 operable walls provide acoustical ratings of STC 47, STC 44, STC 42 and STC 38.

5. Installation
PREPARATORY WORK
Handle and store product according to Panelfold recommendations. Deliver materials to job site 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 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 or contact your nearest distributor. With a network of licensed manufacturers and distributors in more than 54 countries, Panelfold is represented worldwide.

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

7. Warranty
Panelfold warrants each new Panelfold folding door, folding partition, operable wall and accessories 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 is returned prepaid to the factory within 1 year of shipment from Panelfold. 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. Use of white chalk is recommended. Chalkboards should be broken in before use and washed no more than once weekly. An initial cleaning of marker boards must be performed to ensure proper erasure.

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, including interactive specifications and CAD details on CD-ROM and on the Internet.