

Panelfold[®]

1. Product Name

EchoSorb[®] Acoustical Panels

2. Manufacturer

Panelfold, Inc.
P.O. Box 680130
Miami, FL 33167
(305) 688-3501
Fax: (305) 688-0185
E-mail: sales@panelfold.com
www.panelfold.com

3. Product Description

BASIC USE

Panelfold EchoSorb[®] panels are designed to absorb sound and reduce echoes in many types of architectural spaces. They are well suited to applications such as:

- School gymnasiums
- Multipurpose rooms
- Music rooms
- Auditoriums
- Home theaters
- Large halls and meeting rooms

COMPOSITION & MATERIALS

EchoSorb Panels are composed of medium density fiberboard panels covered in acoustically transparent 100% polyolefin fabric. Panels are framed in heavy duty extruded aluminum. The panels make effective use of 1" (25.4 mm) thick, 3 pcf (48 kg/m³) density Owens Corning acoustical glass fiber insulation behind the panel fabric. The fabric is wrapped and stapled to the back of the panel with tailored corners.

Wall mounted aluminum Z brackets allow installation of panels on wall surfaces. For floating ceiling baffles, panels may be hung horizontally from the roof structure. Panels may also be suspended vertically from structure.

SIZES

24" x 48" x 1 1/4" thick (610 x 1219 x 32 mm) thick.

Custom sized panels can be manufactured to order, in sizes up to 48" (1219 mm) wide x 96" (2438 mm) long.

WEIGHT

1.8 psf (8.8 kg/m²)

COLORS

Standard Colors

- French Vanilla
- Jade Grey
- Petal Pink
- Wilton Blue

Special Order Colors

- Clam Shell
- Sandstone
- Silver Shores
- Silvery Moonlight
- Abstract Grey
- Green Blue Slate

LIMITATIONS

EchoSorb acoustical panels are intended for interior use only. Consult manufacturer for recommendations for structural framing, suitability of applications, and compatible finish materials. Consult qualified acoustician to determine amount and placement of panels to achieve appropriate acoustical absorption for the specific problem areas.

4. Technical Data

APPLICABLE STANDARDS

American Society for Testing and 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 E423 Standard Test Method for Normal Spectral Emittance at Elevated Temperatures of Nonconducting Specimens
- ASTM E795 Standard Practices for Mounting Test Specimens During Sound Absorption Tests

APPROVALS

Contact manufacturer for information on approvals.

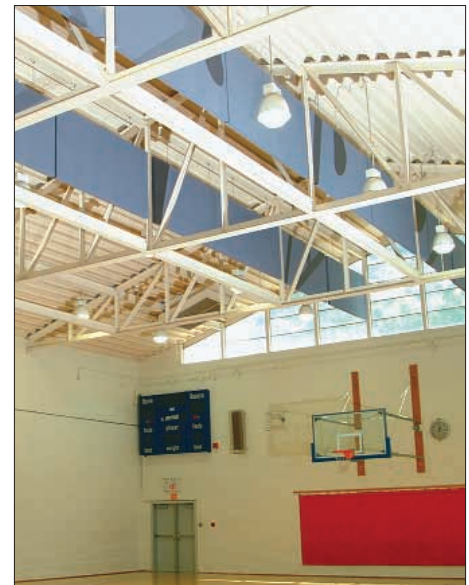
PHYSICAL/CHEMICAL PROPERTIES

Test reports are available upon request.

FIRE PERFORMANCE

Flamespread when tested according to ASTM E84 - Less than 25.

Class A or Class I under most building codes.



EchoSorb[®] panels vertically suspended

SOUND PERFORMANCE

Minimum NRC (noise reduction coefficient) when tested according to ASTM C423 and ASTM E795 - 0.75.

5. Installation

PREPARATORY WORK

Handle and store product according to Panelfold recommendations.

METHODS

EchoSorb acoustical panels may be wall mounted with aluminum Z brackets. The panels easily lock right in place and may be quickly removed or relocated. Panels may be suspended horizontally from the roof structure as floating ceiling baffles or may be vertically suspended from roof/ceiling structure to provide overhead baffles.

PRECAUTIONS

Consult appropriate design professional to determine the suitability of the wall substrate and the overhead structure to support the weight of the panels.

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.



EchoSorb® panels wall mounted

6. Availability & Cost

AVAILABILITY

Panelfold products are manufactured in a modern 140,000 sq ft plant in Miami, FL, U.S.A., and sold by local installing distributors in major cities. See sales outlets on the manufacturer's website or contact the manufacturer for the nearest distributor. With a network of licensed manufacturers and distributors in more than 54 countries, Panelfold is represented world-wide.

COST

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

7. Warranty

Panelfold warrants each new EchoSorb acoustical panel and accessory to be free of defects in workmanship and materials 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 part that is returned prepaid to the factory within one year of shipment from Panelfold. Obtain further information from Panelfold.

8. Maintenance

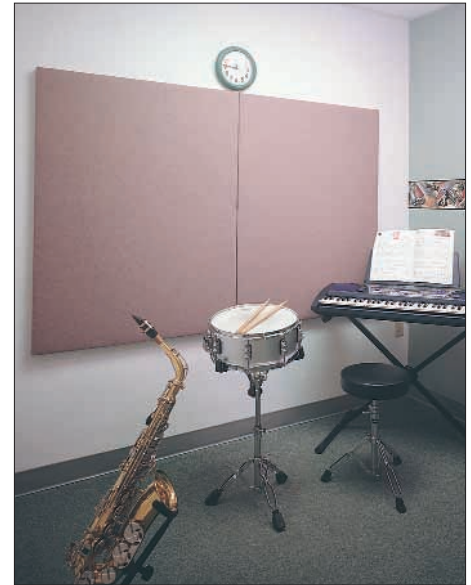
Periodic vacuum cleaning of fabric covered panels may be required in some service environments.

9. Technical Services

A staff of factory trained service personnel offers design assistance and technical support. For technical assistance, contact Panelfold.

10. Filing Systems

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



EchoSorb® panels wall mounted