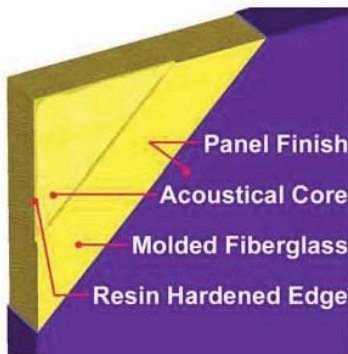




# Wall Technology

CDC Corporation  
An Owens Corning Company

## IR108 SERIES ACOUSTICAL PANELS



### APPLICATION

IR108 Series Wall and Ceiling panels are designed for high traffic areas requiring impact-resistant tackable surfaces with excellent acoustical absorption. Use in corridors, lobbies, hallways and similar areas.

### CONSTRUCTION

The core construction is a dimensionally stable 6-7 PCF glass fiberboard with resin hardened edge protection laminated with a 1/16" or 1/8" 16-20 pcf molded glass fiber. Finishes are completely adhered to the face of the panel and returned to the back for a full finished edge. All corners are fully tailored.

### SIZE AVAILABILITY

Available thicknesses are 1/2", 3/4", 1", 1-1/2", 2", 3", and 4", plus either the 1/16" or 1/8" molded glass fiberboard. Maximum sizes for 1", 2", 3" and 4" are either 4'x12' or 5'x10'. 4'x10' is the maximum size for the rest. Custom size is our standard!

### EDGE DETAIL

All edges are resin hardened, unless otherwise specified. Available choices include: square, radius, bevel, and radius corners.

### FINISH

A wide variety of fabrics are available from all major brands, including Guilford, Maharam, Knoll, Carnegie, and Designtex. A comprehensive selection of vinyl coverings is available from Webcore, Designtex and Maharam. A USDA-approved Tedlar encapsulation can be provided for areas where sanitation and clean-ability are mandatory.

### MOUNTING

Standard mountings include spot and perimeter adhesive, Z-clip, concealed splines, impaling clips, hook & loop, and magnetic fasteners. Wall Bar to Wall Bar is recommended for ceilings.

### EXCELLENT ACOUSTICAL PERFORMANCE

IR108 Series Acoustical Wall Panels provide excellent acoustical performance for auditoriums, theaters, offices, libraries, classrooms; wherever sound absorption and impact resistance is required. Product carries the UL classification label for your assurance of acoustical performance.



Noise Reduction Coefficient

### ACOUSTICAL UL LISTING

IR108 Series fabric wrapped panels have been tested at Underwriters Laboratories for their acoustical performance. The following NRC listings are available:

Thickness	NRC
1-1/8"	.90
2-1/8"	.95

The noise reduction coefficients were derived from tests conducted by a UL certified facility in accordance with ASTM C 423 on a Type D5 mounting.

### FIRE PERFORMANCE

Each component has been tested according to ASTM E 84\* and has a **Class I/A rating**.



### RECYCLED CONTENT

IR108 Series panels utilize an Owens Corning fiberglass board core that is eligible to bear the Green Cross label for recycled content. The board is certified on average to contain at least 40% recycled glass, with 10% post-consumer and 30% pre-consumer content.

And for your LEED® project, our acoustical panels can help you qualify for recycled content points under the Materials and Resources section.

### R-VALUE

The R-Value is resistivity to heat or cold, and is an important factor in choosing a finish.

1"	4.1
1-1/2"	6.2
2"	8.3
3"	12.5
4"	16.6

### 3-YEAR

#### 3-Year Walls and Ceilings

IR108 Series Acoustical panels have a limited 3-year warranty starting from date of purchase. The panels are warranted to be free from defects in material and workmanship.

See product warranty for details and limitations.

\*The ASTM E 84 standard should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However; results of this test may be used as elements of a fire risk assessment, which takes into account all of the factors, which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 rating.

# IR108 SERIES ACOUSTICAL PANELS— SPECIFICATIONS

## PART 1 GENERAL

- 1.1 Work in this section shall be subject to drawings, general conditions, schedules, addenda and other contract documents.
- 1.2 The extent of the acoustical panels is shown on the drawings and in the schedules.
- 1.3 Submit \_\_\_\_\_ (select quantity) samples of each type of acoustical panel as shown on the drawings and in schedules and include appropriate technical information including test data and maintenance instructions. Submit \_\_\_\_\_ (select quantity) fabric selector cards from manufacturer's standard finishes, or designer specified finishes.
- 1.4 Acoustical panels shall be installed according to manufacturer's recommendations and instructions.
- 1.5 Installation of acoustical panels shall not begin until all wet work (plastering, concrete, etc.) is completed and dry. Building shall be properly enclosed and under standard occupancy conditions (temperature of 60-85° F and not more than 70% relative humidity) before installation begins.
- 1.6 The contractor shall be responsible for the examination and acceptance of all surfaces and conditions prior to the acoustical panel installation.
- 1.7 Substitutions or changes will only be permitted by prior approval by the architect.

## PART 2 MATERIALS

- 2.1 Acoustical wall panels shall be Wall Technology Type: IR108 Series Acoustical Wall Panels as manufactured by Wall Technology, Inc. / 800 Gustafson Road / Ladysmith, WI 54848. Phone (800) 359-3312 / Fax (800) 359-0106.
- 2.2 Acoustical Panels shall be constructed of a composite core construction of dimensionally stable rigid fiberglass of 6-7 pcf density laminated to 1/16" or 1/8" 16-20 pcf molded glass fiber. Thickness (choose one) 1/2" (10 PCF adhesive mounting), 3/4", 1", 1-1/2", 2", 3", 4" plus either 1/16" or 1/8" or custom \_\_\_\_\_ (specify).
- 2.3 Sizes: \_\_\_\_\_ width and \_\_\_\_\_ high or as shown on drawings. Standard maximum size is 48" wide x 144" high or 60" wide x 120" high (nominal). Custom or larger sizes available; consult manufacturer. Panels are to be manufactured according to field dimensions supplied by the installing contractor. Standard tolerances are  $\pm 1/16$ " in width and length.

- 2.4 Edge profile shall be: Square, radius, full bevel, half-bevel, miter, or custom \_\_\_\_\_ (specify). Corner detail shall be: Square, radius or custom \_\_\_\_\_ (specify). Edge treatment shall be: resin hardened, aluminum or high-pressure laminate (with square edge only), wood (all profiles available) or custom \_\_\_\_\_ (specify).
- 2.5 Panel finish shall be \_\_\_\_\_ (specify finish manufacturer, pattern, color and specifier). Finish shall be applied directly over the face and edges of the panel and returned to the back of the panel to provide a full finished edge. All corners are fully tailored.
- 2.6 Mounting shall be: Adhesive / Resin, Adhesive No Resin, Impaling / Adhesive, Lay-in, Magnet, Rotofast (some limitations), Spline, VELCRO® Panel Clip to Wall Bar; Panel Clip to Double Wall Clip, Wall Bar to Wall Bar; Aluminum Z-Clips, Panel Clips / VELCRO® or custom \_\_\_\_\_ (specify). Adhesive, miscellaneous fasteners, (i.e. nails, screws, etc.) and standard continuous wall leveling angle are to be supplied by the contractor.
- 2.7 Acoustical Performance – panels shall have a minimum NRC of \_\_\_\_\_ (please specify) in accordance with ASTM C-423 (Type "A" Mounting).
- 2.8 Flammability – All panel components shall have a Class "A" fire rating in accordance with ASTM E-84.
- 2.9 R-Value is \_\_\_\_\_. (Calculated using the R-factor of 4.16 per inch of thickness.)

**Thank you for choosing Wall Technology for your acoustical needs.**

*The information provided above is correct to the best of our knowledge at time of printing. We reserve the right to make changes without prior notification.*

### DISCLAIMER OF LIABILITY

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein. Nothing contained in this bulletin shall be considered a recommendation.



INNOVATIONS FOR LIVING®

### CDC CORPORATION

800 Gustafson Road  
Ladysmith, Wisconsin 54848

**1-800-359-3312**

**www.walltechnology.com**

Pub. No. 10000540-C. Printed in U.S.A. June 2009. © 2009 Owens Corning.

LEED is a registered trademark of U.S. Green Building Council.