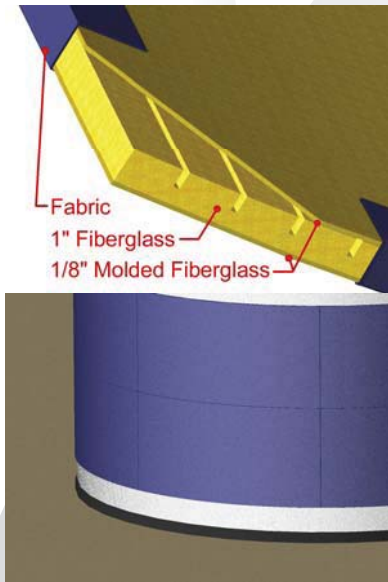




Wall Technology

CDC Corporation
An Owens Corning Company

CUSTOM CURVED PANELS BACK-SCORED OR MOLDED



APPLICATION

Custom Curved panels, either back-scored or molded are designed for curved wall surfaces requiring sound absorption combined with abuse resistance. Convex or concave, product is suitable for theaters, offices, libraries, corridors and similar uses.

CONSTRUCTION

The panel core is a back-scored and dimensionally stable 6-7 PCF glass fiberboard with resin hardened edge protection, faced with 1/8" molded fiberglass. If curvature allows, the back-scored panel is shipped flat and curved in-place on the job site. Perimeter adhesive attachment is strongly recommended. The molded panel comes pre-curved, and has similar construction, with molded fiberglass on both face and back. It is not recommended for abutting conditions. 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 3/4", 1", 1-1/2" or 2 plus either 1 or 2 layers of 1/8". Widths are up to 48", and lengths to 10'. 1" and 2" are available in 60" x 120". Minimum radius depends on fabric, thickness and mounting. Normal back-scored minimum radius for 1-1/8" thickness is 10'. Consult factory for specific applications.

EDGE DETAIL

All edges are resin hardened. Available choices include: square, miter and bevel.

FINISH

A wide variety of fabrics are available from all major brands, including Guilford, Maharam, Knoll, Carnegie, and Designtex.

MOUNTING

Perimeter adhesive, with or without impaling clips is recommended for back-scored panels. Molded panels can be attached with perimeter adhesive. Z-clips or ceiling cloud hardware can be used in non-abutting situations.

EXCELLENT ACOUSTICAL PERFORMANCE

The following NRC listings (identified as High Impact) are available:

Thickness	NRC
1-1/8"	.85
2-1/8"	.95

The noise reduction coefficients were derived from tests in accordance with ASTM C 423 with Type D5 mounting.

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

FIRE PERFORMANCE

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



RECYCLED CONTENT

Custom Curved 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. Other LEED® categories may also apply depending upon the project requirements.

3-YEAR 3-YEAR WALLS AND CEILINGS

Wall Technology Custom Curved 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.

CUSTOM CURVED PANELS BACK-SCORED OR MOLDED — 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: Custom Curved 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. Thickness (choose one) $\frac{3}{4}$ ", 1", 1- $\frac{1}{2}$ " or 2", plus $\frac{1}{8}$ " 16-20 pcf molded fiberglass for Back-scored panels, or 2 layers of the same for Molded panels (specify).
- 2.3 Sizes: _____ width and _____ high or as shown on drawings. Standard maximum size is 48" 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 $\pm \frac{1}{16}$ " in width and length.

- 2.4 Edge profile shall be: Square, radius, half-bevel, miter, or custom _____ (specify). Corner detail shall be: Square. Edge treatment shall be: resin hardened.
- 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 No Resin (Perimeter adhesive) for Back-scored panels (Impaling clips are helpful). Molded panel choices are Perimeter adhesive, Z-Clip to Double Wall Clip, Wall Bar to Wall Bar 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 "D5" 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

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