

Specification for Sonic Series

PRODUCT: Sonic Ultra High Impact Acoustical Panel

SECTION XXXXX – ACOUSTICAL PANELS

PART 1 - GENERAL

1.1 SUBMITTALS

- A. Product Data:
 - I. Manufacturer Specifications and other data needed that provides proof of compliance with specified requirements.
 - II. Submit quantity of _____ fabric selector cards from manufacturer's standard finishes, or designer specified finishes.
 - III. Include appropriate technical information including test data and maintenance instructions.
- B. Shop Drawings:
 - I. Show panel joints, detail references, dimensions and method of attachment.
- C. Samples:
 - I. Submit 12 inch x 12 inch sample of actual material and color cards showing manufacturer's full range of colors for Architect's selection.
 - II. Submit quantity of _____ samples of each type of acoustical panels as shown on the drawings and in schedules.
- D. Substitutions or changes to this specification will only be permitted by prior approval by the architect.

1.2 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain acoustical panel materials from a single manufacturer. Provide acoustical panels and fabrics of each type required from one (1) manufacturer, of uniform texture and color.
- B. Installer to provide evidence of appropriate experience in system installation and that installation method proposed is acceptable to panel manufacturer.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Carefully protect products during shipment, storage and installation.
- B. Deliver materials to job site in unopened packages or crates and store elevated above floor in an enclosed space with proper ventilation and protection from damage.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Lamvin, Inc. (<http://www.lamvin.com>)
4675 North Ave. Oceanside, CA 92056
(800) 446-6329 (Phone)
(760) 806-3200 (Fax)
sales@lamvin.com
- B. Manufacturer substitutions are not permitted

2.2 MATERIALS

- A. Acoustical panels shall be Lamvin's Sonic Ultra High Impact Acoustical Wall and/or Ceiling Panels as manufactured by Lamvin, Inc. 4675 North Avenue, Oceanside, CA 92056 | Phone (800) 446-6329, Fax (760) 806-3200.
- B. Flame Spread: Panel core and fabric shall have a composite Class I (or A) flame spread rating per ASTM E-84.

- C. Acoustical panels shall be constructed of a composite core construction of dimensionally stable rigid fiberglass of 6-7 pcf density laminated with 1/16 inch thick co-polymer plastic acoustically transparent face. Thickness (circle one) 9/16", 13/16", 1-1/16", 1-9/16", 2-1/16", 3-1/16", 4-1/16" or other _____ (specify).
- D. Sizes: Shall be _____ width by _____ height or as shown on drawings. Panels are to be manufactured according to field dimensions supplied by the installing contractor. Standard tolerances are $\pm 1/16$ " in width and height.
- E. Edge Profile: Shall be (circle one) Square, Radius, Full Bevel, Half Bevel, Miter, Tegular or Custom _____ (specify). Corner detail shall be: (circle one) Square or Custom _____ (specify). Edge treatment shall be: Resin Hardened, Metal, Wood, or Custom _____ (specify).
- F. Acoustical Performance: Panels shall have a minimum NRC of ____ (see product data) in accordance with ASTM C-423 (Type "A" Mounting).
- G. Fabric Finish: Finish shall be 100 percent polyester fabric, Guilford of Maine FR701-2100 Series in colors selected by Architect from Manufacturer's full range of colors, or _____ (specify). Finish shall be applied directly to face and edges of the panel, returned onto the back of the panel to provide a full finish edge. All corners shall be fully tailored.
- H. Mounting: Shall be (circle one) Adhesive, Adhesive/Impaling Clip, Mechanical Z-Clip/Velcro, Mechanical Z-Clip/Rail, Rotofast Clip, Velcro, Spline, Lay-in to Standard Grid System or Custom _____ (specify).
- I. Extra Materials: Provide 5% additional material for use by owner for building maintenance and repair.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Verify dimensions to ensure proper fabrication of materials.
- B. The contractor shall be responsible for the examination and acceptance of all surfaces and conditions prior to the acoustical panel installation.

3.2 INSTALLATION

- A. 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.
- B. Install panels and fabrics in accordance with manufacturer's instructions and approved shop drawings.
- C. Arrange panels symmetrically on each wall, unless otherwise indicated.
- D. Arrange acoustical panels and orientate directional pattern, if any.
- E. Remove panels that are damaged and unacceptable to Architect and replace with new undamaged materials at no expense to owner.
- F. Do not begin installation until unacceptable conditions are corrected.

END OF SECTION XXXXX

To download this specification, please visit <http://www.lamvin.com>