

# Specification for Diffuser Series

## PRODUCT: Acoustical Quadratic Diffusers

### 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. 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. 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 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 Acoustical Quadratic Diffuser Panels as manufactured by Lamvin, Inc. 4675 North Avenue, Oceanside, CA 92056 | Phone (800) 446-6329, Fax (760) 806-3200.
- B. Flame Spread: Panel shall have a Class I (or A) flame spread rating per ASTM E-84.
- C. Acoustical Diffuser panels shall be constructed of: 0.125" Thermoformed plastic core construction.
- D. Sizes: Shall be: 4'x4'. Actual dimension is undersized (see product data) for proper fit.
- E. Edges: Shall be flanged for Lay-in to Standard Grid System.
- F. Acoustical Performance: Panels shall have a minimum NRC of \_\_\_\_ (see product data) in accordance with ASTM C-423 (Type "D5" Mounting).

- G. Finish: Shall be plain lemon peel texture and white in color, or \_\_\_\_\_ (specify).
- H. Mounting: Shall be Lay-in to Standard Grid System. All grids shall be 15/16-inch width.
- 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 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>