

**SECTION 09 8430
SOUND-ABSORBING WALL AND CEILING UNITS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Sound-absorbing panels.

1.02 RELATED REQUIREMENTS

- A. Section 09 5100 - Acoustical Ceilings: Ceiling suspension system.

1.03 REFERENCE STANDARDS

- A. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; 2009a.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data sheets for products specified.
- C. Shop Drawings: Fabrication and installation details, panel layout.
- D. Selection Samples: Manufacturer's color charts for fabric covering, indicating full range of fabrics, colors, and patterns available.
- E. Verification Samples: Fabricated samples of each type of panel specified; 12 by 12 inch (305 by 305 mm), showing construction, edge details, and fabric covering.
- F. Installation Instructions: Submit manufacturer's installation instructions as referenced in Part 3.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store this product in unopened cartons in a clean, cool, dry interior space.
- B. Cartons and product must be protected against marring, water, dirt or damage during delivery and storage.
- C. Protect edges from damage.

PART 2 PRODUCTS

2.01 FABRIC-COVERED SOUND-ABSORBING UNITS

- A. General:
 - 1. Prefinished, factory assembled fabric-covered panels.
 - 2. Surface Burning Characteristics: Flame spread index of 25 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E84.
- B. Manufacturer: MBI Products Company, Inc. **Basis of Design**
 - 1. Address: 801 Bond Street, Elyria, OH 44035-3318
 - 2. Phone: (440) 322-6500
 - 3. Fax: (440) 322-1900
 - 4. Website: www.mbiproductions.com
 - 5. Email: sales@mbiproductions.com
- C. Product Information:
 - 1. MBI Colorsonix Acoustical Wall Panels

- a. Geometric Shape: Square, Rectangular
- b. Size: See drawings.
- c. Thickness: 2 in
- d. Core: 6-7# Fiberglass
- e. Surface Finish: Polyester Fabric
- f. Color: To be selected by architect from manufacturer's standard selection
- g. Edge Shape: Mitered
- h. Edge Construction: Chemically Hardened
- i. Acoustical Performance: NRC 1.05
- j. Incombustibility: Class A per ASTM E84 25/0/50

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates for conditions detrimental to installation of acoustical units. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install acoustical units in locations as indicated, following manufacturer's installation instructions.
- B. Install mounting accessories and supports in accordance with shop drawings.

3.03 CLEANING

- A. Contractor shall remove and dispose of shipping containers and debris.
- B. Clean sound-absorptive panels upon completion of installation from dust and other foreign materials, following manufacturer's instructions.

3.04 PROTECTION

- A. Provide protection of installed acoustical panels until Date of Substantial Completion.
- B. Replace panels that cannot be cleaned and repaired to satisfaction of the Architect.

END OF SECTION 09 8430