

SECTION 098433 – SOUND ABSORBING WALL UNITS

PART 1 – GENERAL

1.1 SUMMARY

- A. Section Includes: Acoustical Wall Panels
- B. Related Sections:
 - 1. Division 09 Section 090680: Schedules for Acoustical Treatment
 - 2. Division 09 Section 092216.13: Non-Structural Metal Stud Framing **(if furring panels from wall)**
 - 3. Division 09 Section 098413: Fixed Sound-Absorbing Wall Units
- C. Drawings, the provisions of the Agreement, the General Conditions, and Division 01 specification sections apply to all work of this Section.
- D. Substitutions: Substitute products will be considered only under the terms and conditions of Section 016000.

1.2 REFERENCES

- A. ASTM C423 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
- B. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
- C. ASTM E795 Standard Practices for Mounting Test Specimens During Sound Absorption Test.
- D. ASTM D5116 Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products.

1.3 SUBMITTALS

- A. Make submittals in accordance with Section 013300.
- B. Product Data: Submit product data, including manufacturer's product sheet and installation instructions.
- C. Samples: Submit (3) samples of each type of panel specified.
- D. Quality Assurance/Control Submittals: Submit the following:
 - 1. Test Reports: Upon request, submit product acoustic reports and fire test reports.
- E. LEED
 - A. For products having pre-consumer and/or post-consumer recycled content, submit documentation for MR Credit 4: Recycled Content, indicating:
 - 1. Description of product.
 - 2. Manufacturer/vendor.
 - 3. Product cost, excluding labor and equipment.
 - 4. Cut sheets or manufacturer's letters documenting percentages by weight of pre-consumer and/or post-consumer recycled content.
 - 5. Data documenting the source of the recycled content.
 - B. For adhesives containing low VOC's, submit documentation for IEQ 4.1: Low-emitting materials – Adhesives and Sealants, Indicating:
 - 1. Description of product.

2. Manufacturer/vendor
3. Cut sheet showing VOC is less than 70 (g/l less water) (**Multipurpose Construction Adhesive**) and chemical components.

1.4 QUALITY ASSURANCE

- A. Qualifications: Utilize an installer with demonstrated experience on projects of similar size and complexity.

1.5 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 01 Product Requirements Section
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Packaging Waste Management:
 1. Separate waste materials for reuse and recycling in accordance with section 01 74 19 – Construction Waste Management and Disposal.
 2. Remove packaging materials from site and dispose of at appropriate recycling facilities
 3. Collect and separate for disposal all packaging materials for recycling.
 4. Fold metal and plastic banding, flatten and place in designated area for recycling.
- D. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

1.6 WARRANTY

- A. Manufacturer's standard five year warranty.

PART 2 – PRODUCTS

2.1 ACOUSTICAL WALL PANELS

- A. Manufacturer: InStyle Ecooustic Panels, distributed by Unika Vaev.
 1. Contact: (local manufacturer's representative)
- B. Polyester Acoustical Panel
 1. Color: To be selected from manufacturer's standard colors
 2. Type: **(Panel), (Screen)**
 3. Pattern: **(Tri), (Disc), (Meta), (Raw), (Plus)**
 4. Thickness: **(0.31"), (.47"), (0.53"), (0.98"), (1.97")**
 5. Noise Reduction Coefficient **(.30), (.50), (.50), (.80), (.95)**
 6. Fire Rating: **(Class A, .31", .53", .98") (Class B 1.97")**
- C. Adhesive: As recommended by the panel manufacturer for the substrate indicated.
- D. Trim Moldings: Manufacturer's Standard; size to match panel thickness.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Prior to starting work, carefully inspect installed work of other trades and verify that such work is complete to the point where work of this Section may properly commence.
- B. Notify the Architect in writing of conditions detrimental to the proper and timely completion of the work.
- C. Do not begin work until all unsatisfactory conditions are resolved. Beginning work constitutes acceptance of site conditions and responsibility for defective installation caused by prior observable conditions.

3.2 PREPARATION

- A. Verify that adjacent materials are secure, properly spaced, dry and ready to receive installation.

3.3 INSTALLATION

- A. Install per manufacturer's directions. Shim as required to achieve a smooth monolithic appearance.
- B. Locate panels as shown on plans.

3.3 CLEAN UP

- A. Remove all excess materials, trash and debris from the work area and dispose of legally.

3.4 PROTECTION

- A. Protect finished work from damage due to subsequent construction activity on the site.

END OF SECTION 098433