

SECTION 09841 - FIXED SOUND-ABSORBING PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

The General Provisions of the contract, including the General Provisions for Construction Projects (2016), Special Provisions, and General Requirements of the Specifications, apply to the work specified in this section.

1.02 SECTION INCLUDES

A. Sound-absorbing wall panels, custom-fabricated.

1.03 REFERENCES

A. ASTM International:

1. ASTM C423 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
2. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
3. ASTM E795 Standard Practices for Mounting Test Specimens During Sound Absorption Tests.

1.04 SYSTEM DESCRIPTION

A. Performance Requirements:

1. Surface Burning Characteristics (ASTM E84):
 - a. Flame spread: 25 maximum.
 - b. Smoke Developed: 450 maximum.

1.04 SUBMITTALS

A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.

B. Product Data: Submit product data sheet, for specified products.

C. Shop Drawings: Submit shop drawings showing layout, and panel components, including anchorage, and colors.

D. Samples: Submit selection and verification samples of finishes and colors.

E. Test Reports: Certified test reports showing compliance with specified performance requirements.

1. Standard Systems: Submit copies of previous test reports substantiating performance of system in lieu of retesting.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

1.07 PROJECT CONDITIONS

- A. Environmental Requirements: Do not install panels until wet work, such as concrete and plastering, is complete; the building is enclosed; and the temperature and relative humidity are stabilized at 60 - 80 degrees F (16 - 27 degrees C) and 35% MINIMUM RH and 55% MAXIMUM RH, respectively.

PART 2 PRODUCTS

2.01 SOUND-ABSORBING WALL PANELS

- A. Sound Seal Acoustical Products
Poly-Coustix Brand
50 HP Almgren Dr.
Agawam, MA. USA
Ph. (413) 789-1770
Fax (413) 789-4444
www.soundseal.com
- B. Armstrong Commercial
150 N. Queen St. P. O. Box 3001
Lancaster, PA 17604
- C. Substitutions: Permitted in accordance with the General and Special provisions of this specifications.

2.02 MANUFACTURED UNITS

- A. Plex Board Panels:
 1. Thickness: (9mm)
Size: As indicated on the drawings up to a maximum 48 inches (1219 mm) x 96 inches (2438 mm) panel.

2. Sound Absorption (ASTM C423): Noise Reduction Coefficient (NRC) as follows:
 - a. (9.mm) panel flush: .30, minimum

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify that substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.
 1. Do not install panels until unsatisfactory conditions are corrected.

3.03 CLEANING

- A. Follow manufacturer's instructions for cleaning panels soiled during installation. Replace panels that cannot be cleaned to as new condition.
- B. Keep site free from accumulation of waste and debris.

PART 4 – MEASUREMENT AND PAYMENT

4.01 BASIS OF MEASUREMENT AND PAYMENT

- A. Work under this section will not be measured nor paid for separately, but shall be considered incidental to and included in the price bid for the various items of work in this project.

END OF SECTION